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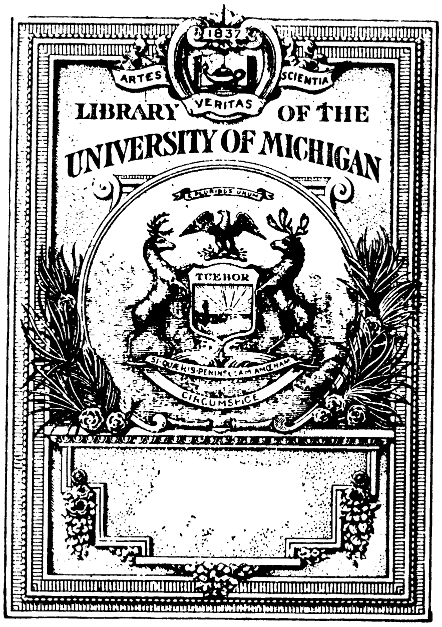

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DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES
WEATHER BUREAU
REV. JOSÉ ALGUÉ, S. J., DIRECTOR

ANNUAL REPORT OF THE WEATHER BUREAU

PART I

WORK OF THE WEATHER BUREAU DURING THE CALENDAR YEAR 1919

PART II

HOURLY METEOROLOGICAL OBSERVATIONS MADE AT THE CENTRAL OBSERVATORY OF MANILA DURING THE CALENDAR YEAR 1919

MANILA
BUREAU OF PRINTING
1922

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TABLE OF CONTENTS

PART I

WORK OF THE WEATHER BUREAU DURING THE CALENDAR YEAR 1919

	Page
I. WORK OF THE CENTRAL OBSERVATORY:	
1. Meteorological Division	7
2. Seismic Division	8
3. Magnetic Division	10
4. Astronomical Division	10
II. SECONDARY STATIONS	12
III. PERSONNEL	12
IV. IMPROVEMENTS	13

PART II

HOURLY METEOROLOGICAL OBSERVATIONS MADE AT THE CENTRAL OBSERVATORY DURING THE CALENDAR YEAR 1919

	Page.
Introduction	17
Observations for January, 1919	19
Observations for February, 1919	29
Observations for March, 1919	39
Observations for April, 1919	49
Observations for May, 1919	59
Observations for June, 1919	69
Observations for July, 1919	79
Observations for August, 1919	89
Observations for September, 1919	99
Observations for October, 1919	109
Observations for November, 1919	119
Observations for December, 1919	129
General summary for 1919	139

PART I

WORK OF THE WEATHER BUREAU DURING THE CALENDAR YEAR 1919

WORK OF THE WEATHER BUREAU DURING THE CALENDAR YEAR 1919

I. WORK OF THE CENTRAL OBSERVATORY

1. METEOROLOGICAL DIVISION

Nine typhoons visited the Philippine Islands during the year 1919, although there were in all twenty-five depressions or typhoons throughout the Far East. All these typhoons were observed from June to December, none having occurred from January to May. The monthly distribution of the ten Philippine typhoons is as follows: June, 1 over southern Luzon; July, 1 over the Batanes Islands; August, 4 over northern Luzon, and near or over the Balintang or Bashi Channel; October, 1 over the Visayan Islands; November, 1 over northern Samar and near southern Luzon; December, 1 over the southern Visayas.

Although the Batanes Islands, Sorsogon and northern Samar are the regions that suffered most the effects of these typhoons, at least as far as the force of the winds is concerned, yet the heavy rains and consequent floods which occurred during the August typhoons in the western part of central Luzon will go down to history as the most extraordinary ever recorded in the Philippines if not for their heaviness and height, respectively, but certainly for their extremely protracted duration.

The Manila rainfall has broken all our records since the foundation of the Observatory in 1865, both as to the monthly and to the annual amount of rain. The total monthly rainfall for August was 1,983.0 mm., the monthly maximum ever recorded before having been 1,469.7 mm. in September, 1867. It differs from the normal for August by +1,590.2 mm. Our records show that in the last 55 years only three times (July, 1899; August, 1877; and September, 1867) was the monthly rainfall of Manila higher than 1,000.00 mm. The amount of rainfall for the whole year 1919 is as great as 3,920.6 mm., almost twice the normal annual rainfall, while the greatest ever recorded before was only 2,978.8 mm. in 1867. Since 1865 there were only five instances in which the annual rainfall exceeded 2,500.0 mm., and these were in 1867, 1869, 1877, 1891, and 1899.

The lower parts of the City of Manila and of several provinces of the western part of central Luzon were practically flooded from the end of July until some time near the middle of September, the waters having begun to recede gradually at the beginning of September. The maximum height of the flood in Manila was observed on August 12 and 26.

The heavy rain period which began during the last part of July was the more remarkable as the first part of the year had been rather dry throughout the Archipelago: in fact it was kept dry even in August in many parts of the Visayas and Mindanao.

Manila Observatory sent, during the year, to the foreign observatories of the Far East 104 typhoon warnings as against 100 during the preceding year and 82 in 1917. The extraordinary delay with which weather reports from foreign observatories, particularly from Japan and the Loochoos, had been received in 1918, continued throughout the year 1919 to the great detriment of the efficiency of our forecasting division. Weather maps had to be either discontinued or distributed with one or two days delay.

Two daily telegraphic weather reports have been received regularly from Guam during the year at the expenses of the Weather Bureau, and it is expected that within a few months we may be able to receive them also from Yap. Daily observations from these two stations are considered of the utmost importance for the forecasting of the typhoons which are most dangerous for the Philippines. Guam weather reports have been transmitted also by this Central Office to the foreign observatories of the Far East together with the Philippine weather reports.

The number of barometers compared and tested during the year is 223 as against 99 the preceding year, and 112 in 1917.

Our Office has coöperated as in previous years with the work of foreign observatories as well as of other Government offices or private institutions in, and outside of, Manila. Meteorological and climatological data and information have been given out during the year in answer to frequent requests made to this Office, the last and most important one being a memorandum on climatic conditions in the Philippine Islands for the use of the Executive Committee in charge of making arrangements for the "Made-in-the-Philippines" participations in Missouri.

Rev. Jose Coronas, the Chief of the Meteorological Division, published last May an interesting pamphlet on the "Quantico" typhoon of December 25, 1918.

The long protracted period of heavy rains of July and August proved so hard on the health of our employees of the Central Office whose duty is to make hourly meteorological observations, that a good number of them were out of commission for several days. Then some of the employees living in the flooded area of the city were prevented by the floods to attend the Office for a good number of days. These trying circumstances interfered considerably with the preparation of our monthly bulletins, whose publication is two months behind even at the beginning of 1920. It is hoped, however, that it will be up to date again within a few months.

2. SEISMIC DIVISION

Earthquakes.—Unfortunately for the islands the year 1919 has also shown extraordinary seismic activity. Two regions suffered the effects of the earth shocks; Tablas Island and its vicinity and Ilocos Sur. In the former a very severe shock, which occurred on the 28th of April, causing considerable damage in the towns of Odiongan, Loog, and Sta. Fe, opened a period of shakings. In different occasions their frequency rather than their intensity created great anxiety. This Bureau after consultation with the Division of Mines, has been able to assure the people that neither a volcanic eruption, much feared by the people of Tablas, nor any earthquake of excessive intensity and general destruction was to be feared. So far in fact only the first shock, on the 28th of April, and one in August 14th, have been of destructive character, and it is hoped that the light frequent shocks will cease, as happened in other previous and similar seismic periods.[1]

Ilocos Sur Province was shaken by a very heavy shock in the early morning of the 25th of June, which damaged some masonry walls all through the province. The origin of the disturbance very probably lay to the west of the province in the China Sea. After months of relative calm a second heavier shock occurred on the 26th of September, with numerous aftershocks. Both the character and extension of this second earthquake were similar to that of June, so the origin seems to have been the same; an epicenter in the China Sea not far from the Ilocos coast discussed years ago in the Bulletins of the Weather Bureau.[2]

Other strong and extensive shocks, beside those just reported of Tablas and Ilocos Sur, took place in January 1st, E Mindanao; February 14th, E Visayas; March 16th, E Mindanao and Visayas; March 21st, S Luzon and Visayas; August 19th, N Luzon; September 27th, Central Mindanao; October 8th, SE Luzon and Samar.

The total number of earthquakes felt within the limits of the Archipelago amounted to 151.

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[1] See *Bulletin for April, 1919.*

[2] See *Bulletin for May, 1909* and *Bulletin for June, 1919.*

Seismic disturbances.—In the Central Observatory, Manila, the seismographs recorded a total number of 420 disturbances due to insular and distant earthquakes.

Stations.—At the end of the economic year 1919 existed the following stations with a seismograph: Baguio, Ambulong, Tigaon, Irosin, Mambajao, Butuan, and Guam. They recorded most of the disturbances recorded at Manila and some of very local character.

Ambulong.—The motor-launch at the service of this station was brought to Manila for a general overhauling and returned before the beginning of the rainy season. A contract with the Bureau of Public Works was made for the construction of a small landing wharf.

Butuan.—In this station a wonderful number of seismic disturbances was recorded as in former years. They numbered 1,076.

Publications.—The two seismic bulletins have been regularly issued, with special articles about earthquakes and volcanic eruptions as the happenings required.

Volcanic eruptions.—During the two last months of 1918, telegrams reached the Observatory reporting extraordinary activity in the Bulusan Volcano, Sorsogon, P. I. From the first reports it was understood that the new activity was similar to that showed in January, 1916, but posterior telegrams indicated that it had a more serious character. Complying with the urgent requests of the town of Irosin, the Chief of the Division, Rev. M. Saderra Masó made a trip to that town, to see if the danger was imminent; the Observer Mr. Cesareo Dulueña accompanied him, in order to take photographs and other data. They reached that town on the 30th of December: from the sea, while approaching to the port of Bulan, and also from the road to Irosin they witnessed two small eruptions. Observing with great attention and constancy the occasional but frequent pourings of incandescent lava and noting that there were not any earth tremors nor explosive phenomena, they became convinced that the volcano apparently had reached the strombolian state, and consequently did not exist indications of impending greater eruptions. The subsequent events so far proved that such deductions were correct. A sojourn of twelve days was considered sufficient; during this time they examined some of the ravines or gullies, where the materials thrown by the volcano were accumulating, and warned the municipal authorities of the danger of a sort of avalanche of mud at the first heavy rains, as had happened during the typhoon of the 25th of previous December.

On the 11th of January Rev. Miguel Saderra Masó and Mr. Cesareo Dulueña embarked again for Manila, after making the necessary arrangements with the municipality, in order to establish as soon as possible a rain station, and a seismograph, to detect earth tremors indicating any increasing strain in the volcano.

That was accomplished next May: Rev. Miguel Saderra Masó, with the mechanic Mr. Calixto Santiago made a second trip to Irosin, and in eight days left the new station in working order. During their stay, on the 10th of May, took place one of the greatest and most spectacular eruptions.[1] Later on some small eruptions occurred but without tendency to increase their intensity and with very little damage to the hemp plantations surrounding the volcano.

Before leaving the town of Irosin this second time, we repeated the warning given in January about possible avalanches due to cyclonic rains. The typhoon of next June, 8th and 9th, proved the opportunity of such warnings: some tracks of hemp plantations located at low places near to the Irosin ravine and river, called Rangas in the place, were buried deep under the volcanic ejecta, consisting of light sand and rocks, carried by the waters.

The municipal authorities of Irosin, as well as many leading citizens, and the Parish Priest R. D. Antonio Bayona deserve all kinds of praises for their generosity in aiding the Weather Bureau and its representatives. The municipality agreed to defray half the salary of the

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[1] See *Bulletin for January, 1919.*

Observer, and the Parish Priest offered an excellent location for the seismograph and the other instruments.

3. MAGNETIC DIVISION

Magnetic character.—This year has been of magnetic activity; the number of disturbed days outnumbering much the calm days. Such a result had to be expected, being near to a maximum of the known undecennial period of solar activity and sun-spots. These were frequent and at times visible even to the naked eye. There have been recorded 158 days of *0* character, 189 of *1*, and 18 of *2*.

Magnetic disturbances.—Two of small amplitude were recorded at the end of February and on the 2d and 3d of May.

On August 11th and 12th occurred one of the greatest ever recorded, and indeed the greatest registered in Antipolo. It was accompanied by huge sun-spots, visible to the naked eye, and displays of polar auroras. Telegraphic and other electric instruments felt their influence with wide irregularities. Even the weather seemed to be controlled by the solar and magnetic storm. Certainly the month of August was unusually unsettled throughout the world.

October was also much disturbed during the first decade.

Routine work.—The routine work has been continued as in former years, both in the Central Office and at Antipolo.

During the total eclipse, which took place on May 29th, visible across the Atlantic and southern America, special observations were made in coöperation with the Department of Terrestrial Magnetism and Atmospheric Electricity of Washington, D. C., U. S. A.

Most of the time was devoted in the office to the preparation of the magnetic hourly observations of 1915 and 1916. Those of 1912 were already distributed, the reports of 1913 and 1914 being with the Printer.

4. ASTRONOMICAL DIVISION

Time service.—Every day of the year, including Sundays and official holidays, time signals have been sent during five minutes, (10^h 55^m to 11^h a. m.) from the Observatory, to all the stations connected by telegraph or cable, with the Central Post Office of Manila. At noon the time-ball has been dropped in the Central Observatory. With the kindly coöperation of the Cavite Naval Radio Station and the Bureau of Posts, time signals by radio are sent every night during five minutes, (9^h 55^m to 10^h p. m.).

One hundred and three chronometers have been received during the year in the Observatory to be rated. Seven clocks and more than twenty-five chronometers, have been daily compared with the standard clock, and rated.

The correct time is determined by means of a Repsold broken-transit-instrument of 75 mm. aperture. During the year just elapsed, 1,534 transits of stars have been observed and reduced, and 88 times the instrumental constants azimut and collimation computed, the level being observed and reduced to zero frequently during the time of taking transits.

The equatorial time-intervals of the side-wires to the middle or meridian wire, have been determined observing transits of Polaris. The wires are five on each side of the middle wire; they are numbered as they are crossed by a star in its upper culmination, the light being east, that is, the observer facing east. The values, with their probable errors, are as follows:

	Second.	*Second.*		*Second.*	*Second.*
1	37.026	±0.0098	7	22.254	±0.0115
2	34.068	±0.0106	8	25.175	±0.0109
3	31.252	±0.0125	9	31.281	±0.0143
4	25.006	±0.0109	10	34.355	±0.0136
5	22.001	±0.0108	11	37.446	±0.0121

The Riefler sidereal clock, No. 251, provided with a second's contact and connected with the chronograph has been used during the year as the standard clock for the time service. The following table gives an idea of the performance of this clock: the table contains the excess of the computed correction over the observed, after periods of cloudy nights, during which transits of stars could not be taken.

Date.	Number of nights without observations.	Computed minus observed correction.	Date.	Number of nights without observations.	Computed minus observed correction.
1919.		*Second.*	1919.		*Second.*
Jan. 6	8	+0.37	July 10	5	+0.19
Jan. 16	6	+0.05	July 18	8	+0.00
Jan. 26	6	+0.55	July 31	13	+0.78
Jun. 30	4	+0.21			
Feb. 6	7	—0.31	Aug. 17	17	+0.66
Feb. 11	5	—0.09	Aug. 22	5	+0.02
Feb. 16	5	+0.09	Aug. 28	6	—0.14
Feb. 23	7	+0.02			
Mar. 5	5	+0.26	Sept. 7	6	+0.22
Mar. 10	5	+0.38	Sept. 14	7	+0.06
Mar. 18	4	+0.00	Sept. 23	4	+0.18
Mar. 28	5	+0.08	Sept. 28	5	+0.21
Apr. 7	6	+0.28	Oct. 3	5	+0.14
Apr. 12	5	+0.24	Oct. 13	10	+0.04
Apr. 19	7	—0.02	Oct. 24	7	—1.03
Apr. 24	5	—0.05			
May 16	12	—0.59	Nov. 2	9	+0.69
May 23	7	+0.02	Nov. 7	5	+0.12
May 30	7	+0.36	Nov. 14	7	+0.26
			Nov. 19	5	+0.32
			Nov. 24	5	+0.13
June 5	6	+0.47	Dec. 9	11	+0.66
June 13	8	+0.56	Dec. 17	9	—0.03
June 22	5	0.00	Dec. 21	4	+0.07
June 30	8	+0.02	Dec. 26	5	+0.29

The next table gives the mean daily rate of the mentioned Riefler Sidereal Clock, No. 251 as deduced from the daily time service together with the maximum variation in the rate for each month of the year 1919.

Month.	Mean daily rate.	Maximum variation.	Month.	Mean daily rate.	Maximum variation.
1919.	*Second.*	*Second.*	1919.	*Second.*	*Second.*
January	+0.25	+0.19	July	+0.29	+0.20
February	+0.06	+0.10	August	+0.31	+0.20
March	+0.18	+0.18	September	+0.38	+0.17
April	+0.19	+0.09	October	+0.28	+0.28
May	+0.25	+0.15	November	+0.28	+0.17
June	+0.26	+0.17	December	+0.38	+0.14

In order to know the error with which the time signal at noon is given, the initial moment of the fall of the time-ball has been recorded 162 times in the chronograph in connection with the standard clock. The largest recorded errors were:

	Second.		*Second.*		*Second.*
January 6	0.35	July 28	0.45	August 16	0.38
May 10	0.42	August 1	0.50	August 22	0.40
July 12	0.48	August 8	0.58	October 21	0.45
July 25	0.50	August 15	0.60	November 4	0.34

The average error of the 162 records is less than 0.20.

Two hundred ninety observations on solar radiation were taken during the year with the Angstrom Compensating Pyrheliometer.

A considerable amount of time has been spent in showing visitors the Observatory and in the library, for the good maintenance of publications.

II. SECONDARY STATIONS

The work of establishing the new 200 rain stations, for which sufficient money had been appropriated by the preceding legislature, began on February 6, when Rev. Miguel Selga, Secretary of the Weather Bureau, sailed for Zamboanga. He was assisted later by two employees of the Central Office, Mr. Marcelo A. Cruz, observer-calculator, and Mr. Santiago Cruz, first-class observer. They returned to Manila by July having successfully established in all 34 stations distributed through Mindanao, Cebu, and Negros as follows: Zamboanga 2, Cotabato 3, Davao 4, Lanao 2, Bukidnon 2, Agusan 2, Cebu 4, and Occidental Negros 15.

Owing to the bad shape of the roads after the floods and to the need of our employees in the Central Office to push our rutinary work of preparing the monthly bulletins and annual reports of observations, it was practically impossible to reassume the work of establishing more rain stations until the month of November, when Mr. Marcelo A. Cruz was again detailed for the provinces of Cavite and Batangas. By the end of the year 8 new stations had been opened, 6 in Cavite and 2 in Batangas

In May another rain station had been erected in Irosin, Sorsogon, while the rain station of Dapitan was closed during the year, and the third-class station of Dumaguete and the rain station of Mambajao were suspended, owing to lack of observers to take charge of them. The third-class station of Yap, Western Carolines, was raised to second class. The rain station of Isabela, Basilan, was transferred to Malamaui, only a few miles distance from Isabela. The seismic station of Tigaon was reduced to a third-class station until a good seismic observer could be prepared to succeed Mr. Crescenciano Martinez, who was forced to leave the station on account of ill health. In this station as well as in Ambulong and in Antipolo meteorological observations proper of third class, second class and rain stations, respectively, have been continued as in previous years. Prescinding from these three seismic and magnetic stations, the official meteorological stations maintained by the Weather Bureau at the end of 1919, were 98: one branch Observatory at Baguio; 6 first-class stations, four of them in Luzon, and two in the Visayas; 12 second-class stations, five in Luzon, four in the Visayas, two in Mindanao, and one in Yap, Western Carolines; 28 third-class stations, and 51 rain stations.

Eleven new volunteer rain stations were opened during the year: one in Pampanga, three in Negros, and seven in the Department of Mindanao and Sulu. It is to be regretted, however, that of the 53 volunteer stations which we had in 1918, one was closed in 1919, and two have stopped sending observations since last February, and one since October. Hence the volunteer stations sending observations at the end of 1919 were 60. These observations are being published in our monthly bulletin with the exception of those from several stations of Cotabato Province, which are received altogether too irregularly and not on time for publication.

III. PERSONNEL

Nationality.—With the increase of the number of our stations, the composition of the personnel of the Weather Bureau as to nationality has changed slightly, 94 per cent being filipinos at the end of 1919 as against 91 or 92 per cent in the previous years.

Promotions.—Thirty-six promotions were allowed during the year, but only to employees receiving a salary below ₱1,560 per annum. Three of these were extraordinary promotions for employees of the Central Office taking new positions and greater responsibilities.

Appointments.—The establishment of the new rain stations, as stated above, has caused a great increase in the number of new appointments of this Office. There were in all 71 new appointments during the year: 64 permanent and 7 temporary.

Separations.—There were 25 separations from the Weather Bureau, namely, 1 transfer, 19 resignations, and 5 dismissals. One second-class observer and one third-class observer were dismissed for neglect of duty and for improper conduct, respectively.

IV. IMPROVEMENTS

A new telephonic line has been put up in the Central Office as well as in the Semaphore for the benefit of the forecasting division in order that during the typhoon season the forecaster and his assistants as well as the man in charge of the Semaphore may be able to attend more satisfactorily than heretofore the great demand of the public for our typhoon warnings and weather information.

A new clock has been installed in the same Office for the convenience of those employees who are in charge of answering phone calls concerning the exact time.

PART II

HOURLY METEOROLOGICAL OBSERVATIONS MADE AT THE CENTRAL OBSERVATORY DURING THE CALENDAR YEAR 1919

INTRODUCTION

Part II of our report for 1919 contains the meteorological observations made during the year at the Central Observatory at Manila. The hours of observations are given in Insular standard time—that is, in the time of the one hundred and twentieth meridian east of Greenwich, adopted by order of the United States Government on September 6, 1899. It is to be noted that observations of atmospheric pressure, temperature, relative humidity, vapor tension, and the direction and force of the wind are hourly, read directly between the hours 6 a. m. and 7 p. m., while for the hours from 8 p. m. to 5 a. m. they are taken from self-registering apparatus. The hourly observations of the direction, form, and amount of clouds are made from 8 a. m. until 5 p. m. only.

Each of the tables of hourly observations shows also the respective hourly, daily, and monthly means. The extreme daily values of the various elements, together with the time of their occurrence, are united into a separate table. The thermometers and atmidometer are placed in the observatory park, 1.5 meters above the ground.

The readings of the barometer have not been corrected for gravity; this correction would be—1.72 mm.

All observations contained in this report are expressed in the metric system, continuing the practice adopted at the time of the reorganization of the Weather Bureau. As in former reports, we have arranged the observations according to month.

EXPLANATION OF SYMBOLS (BEAUFORT'S LETTERS AND INTERNATIONAL WEATHER SYMBOLS)

Symbol.	Equal to—	Symbol.	Equal to—
Ci.	Cirrus.	o	Overcast.
Ci.-S.	Cirro-stratus.	p	Passing showers of rain.
Ci.-Cu.	Cirro-cumulus.	q	Squally.
A.-Cu.	Alto-cumulus.	u	Ugly or threatening weather.
A.-S.	Alto-stratus.	v	Visibility of distant objects.
S.-Cu.	Strato-cumulus.	w	Wet or heavy dew.
N.	Nimbus.	●	Rain.
Cu.	Cumulus.	≡	Fog or mist.
Cu.-N.	Cumulo-nimbus.	⌓	Dew.
S.	Stratus.	⊕	Solar halo
Fr.-Cu.	Fracto-cumulus.	◒	Lunar halo.
Fr.-N.	Fracto-nimbus.	⋓	Lunar corona.
Fr.-S.	Fracto-stratus.	○	Solar corona.
S.-cf.	Stratus-cumuliformis.	⚡	Lightning.
N.-cf.	Nimbus-cumuliformis.	⛈	Thunderstorm.
M.-Cu.	Mammato-cumulus.	⊤	Thunder.
b	Clear, blue sky.	↙	Strong wind.
c	Partial clouds.	⌒	Rainbow.
d	Drizzling or light rain.	∞	Dust haze.
g	Gloomy, or dark, stormy-looking weather.		

NOTE—The intensity of any individual phenomenon may be distinguished by the figures $^{\circ}$ and ^{2}, which should be used as exponents of the symbols, so that $^{\circ}$ indicates slight, and ^{2} strong; e. g., ●$^{\circ}$ =slight rain, ●^{2} =heavy rain. Figures in heavier type represent extreme values.

OBSERVATIONS FOR JANUARY, 1919

ATMOSPHERIC PRESSURE, 700mm+

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	61.85	61.40	61.15	61.10	61.25	61.58	62.15	62.88	**63.03**	63.02	62.57	61.80
2	62.05	61.75	61.50	61.50	61.55	62.06	62.50	63.18	**63.20**	63.07	62.72	62.01
3	62	61.85	61.60	61.70	61.95	62.23	62.69	63.38	63.41	**63.43**	63.04	62.48
4	62.85	62.55	62.60	62.65	62.95	63.44	63.88	64.18	**64.39**	64.22	63.89	63.14
5	62.95	62.75	62.45	62.45	62.80	63.23	63.73	64.40	64.74	64.72	64.24	63.58
6	64.90	64.90	64.55	64.80	65	65.48	65.61	**66.23**	**66.23**	65.78	65.33	64.77
7	**64.60**	64.05	63.75	63.60	63.65	63.63	64.18	64.40	64.53	64.25	63.77	**63.19**
8	63.95	63.65	63.20	63.10	63.30	63.43	63.73	64.14	**64.44**	64	63.53	63.09
9	61.75	61.55	61.30	61.15	61.30	61.70	62.19	62.74	**62.90**	62.73	62.38	**61.99**
10	60.90	60.55	60.20	60.25	60.60	60.73	61.21	61.68	**61.94**	61.67	61.19	60.67
11	60.15	59.90	59.60	59.50	59.70	59.91	60.31	61.07	61.41	**61.48**	60.94	60.40
12	60.55	60.15	59.80	59.80	60	60.31	60.59	61.29	61.76	**61.84**	61.63	60.98
13	60.85	60.55	60.40	60.35	60.45	60.93	61.41	61.93	**62.48**	62.35	61.89	61.29
14	61.95	61.75	61.65	61.60	61.85	62.22	62.79	63.62	64.08	**64.16**	63.91	63.48
15	63.25	62.90	62.80	62.80	62.85	63.05	63.29	63.91	**64.28**	64.24	63.79	**63.27**
16	62.85	62.65	62.25	62.35	62.45	62.71	63.08	63.80	64.30	**64.35**	63.78	63.04
17	63.80	63.45	63.25	63.20	63.35	63.79	64.25	64.79	65.16	**65.25**	64.97	64.35
18	64.75	64.50	64.25	64.40	64.50	64.79	65.05	65.44	**65.92**	**65.92**	65.49	64.93
19	64.75	64.45	64.25	64.25	64.45	64.76	65.14	65.46	**65.94**	65.88	65.48	64.68
20	64.90	64.20	63.90	63.85	63.90	64.18	64.44	64.91	**65.09**	64.86	64.49	64
21	64.20	64.05	63.80	63.85	63.85	64.08	64.36	65.16	**65.38**	65.28	64.90	64.38
22	63.85	63.60	63.50	63.40	63.50	63.94	64.40	64.89	**65.13**	64.99	64.69	64.16
23	63.65	63.45	63.05	62.80	63	63.24	63.70	64.25	**64.59**	64.38	63.96	63.26
24	62.90	62.60	62.40	62.50	62.60	62.85	63.30	63.74	**63.90**	63.76	63.31	62.68
25	61.90	61.75	61.45	61.45	61.65	62	62.84	63.59	**63.99**	63.79	63.35	62.72
26	62.15	62	61.70	61.80	62.15	62.44	63.06	63.65	**64.25**	63.90	63.47	62.74
27	62.80	62.60	62.15	62.35	62.65	63.17	63.59	63.94	**64.41**	64.28	63.78	63.14
28	63.05	62.65	62.45	62.40	62.55	62.75	63.19	63.54	63.91	**64.03**	63.69	63.02
29	62.30	61.75	61.55	61.65	62	62.45	63	63.55	**63.79**	63.67	63.35	62.72
30	62.25	61.90	61.85	61.90	62.10	62.54	62.92	63.60	63.91	**63.95**	63.69	63.03
31	61.95	61.60	61.45	61.50	61.70	61.87	62.25	62.54	**62.95**	62.93	62.44	61.73
Mean	62.79	62.50	62.25	62.26	62.44	62.76	63.19	63.74	**64.05**	63.94	63.54	62.93

TEMPERATURE (°C.)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	22.5	22.2	21.7	21.4	21.2	**21.1**	21.7	24.2	27.4	27	28.8	28.9
2	24.3	24.1	23.8	23.8	23.4	**23**	**23**	25.1	27.8	28.7	29.3	**31.2**
3	22.9	22.5	22.3	22.1	21.7	**21.5**	21.7	24	26.9	26.8	27.2	**28.6**
4	24	23.5	23.3	23.4	23.1	**22.9**	23.1	23.5	25.9	27.1	28	**27.4**
5	23.3	23.1	23.2	23.3	22.8	**22.5**	22.7	23.6	25.3	27.2	28.8	**29.6**
6	22.8	22.9	23	22.7	22.6	22.5	22.3	24.1	25	27	28.2	**28.9**
7	21.5	21.4	22	21.3	**21.2**	21.4	21.9	24.7	27.4	27.7	27.7	**29.2**
8	22.3	22.4	22.6	22	21.3	**21.1**	21.7	23.5	25.9	27.3	27.4	**27.5**
9	21.9	**21.5**	21.6	21.6	21.7	**21.5**	21.9	24	26.5	27.5	26.9	28.1
10	21.2	20.8	20.5	20.2	19.7	**19.5**	19.7	22.6	27.1	29.3	30	**30.4**
11	21.3	20.5	19.7	19.3	19	**18.4**	18.7	21.8	26.4	28	28	**28.2**
12	21.8	21.2	21.1	21.4	22	20.7	**20.6**	23.7	26.5	27.3	27.4	**27.9**
13	21.1	20.6	20.2	20	19.6	**19.5**	19.7	22.6	26.1	27.5	27.7	**28.5**
14	21.3	20.8	20.1	19.9	19.4	**19.2**	19.4	22.4	25.7	26.8	26.7	**27.5**
15	20.8	21.1	20.3	20	**19.5**	**19.5**	19.9	23.1	26.3	27.5	27.6	28.2
16	24.4	23.8	22.6	22.1	22.3	22.4	22.5	23.5	24	25.6	27.6	29.1
17	20.6	20.6	19.5	19.2	18.9	**18.5**	19.1	22.6	26.1	27.7	28.7	28.1
18	20.2	19.5	18.9	18.5	18.2	**17.8**	18	21.3	26.1	27.1	28	29.1
19	19.9	19.2	19	18.7	18.6	**18.3**	**18.3**	22	26.7	27.7	27.6	28.1
20	22.7	22	20.7	21.2	**20.5**	20.6	20.9	23.6	26.3	27.5	27.2	26.1
21	21.8	21.8	22.1	21.7	21.5	20.5	20.7	23.6	26.8	26	25.9	26.8
22	19.3	18.9	18.7	**18.1**	18.4	18.2	18.5	22.2	25.9	26.8	**28.4**	**28.8**
23	19.6	18.7	18	17.7	17.2	**16.7**	17	21	25.8	27.1	28.8	**27.7**
24	18.6	17.8	17.6	17.3	17.3	**16.7**	18.1	20.9	24.8	26.5	26.5	**27.5**
25	22	20.9	20.1	20	19.4	**18.8**	19.8	21.7	25.5	27.3	26.9	**27.9**
26	20.2	20	19.7	19.2	18.9	**18.6**	20	22.3	26	28.9	31.3	**31.9**
27	20.3	19.1	18.2	18.4	**18**	18.2	18.6	21.7	26.3	28.5	30	**28.7**
28	19.8	19.4	19.6	19.6	19.3	**18.9**	20.2	22.7	25.5	**27**	**27**	26.8
29	22.3	21.1	20.4	**20**	**20**	20.4	21.3	24.5	26.6	26.3	27	**28.4**
30	19.8	19.2	18.3	18.1	17.8	**17.2**	17.6	21.1	25.4	25.7	27	**27.5**
31	19.2	18.2	18	17.5	17.5	**17.2**	17.5	21.8	27	28	29.8	31.1
Mean	21.4	20.9	20.5	20.3	20.1	**19.8**	20.2	22.9	26.2	27.3	28	28.5

ATMOSPHERIC PRESSURE, 700mm+

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
61.35	60.78	**60.42**	60.51	60.99	61.33	61.80	62.45	62.55	62.50	62.45	62.30	61.80
61.23	**60.42**	60.48	60.49	60.98	61.44	61.82	62.25	62.55	62.55	62.45	62.35	61.92
61.59	60.89	60.86	**60.84**	61.37	61.75	62.12	62.55	62.80	63	62.90	62.85	62.22
62.49	61.68	**61.45**	61.69	62.14	62.40	62.87	63.50	63.45	63.40	63.45	63.35	63.03
62.88	62.35	**62.34**	62.83	63.38	63.94	64.50	64.95	**65.50**	65.40	65.20	65.05	63.76
64.14	**63.68**	**63.68**	63.94	64.40	64.79	65.08	65.35	65.60	65.55	65.25	65.15	**65.01**
62.42	62.28	**61.92**	62.42	62.88	63.34	64.02	64.35	64.50	64.50	64.40	64.10	63.70
61.88	61.15	**60.72**	61.08	61.22	61.47	61.70	62	62.25	62.35	62.10	61.95	62.64
61.07	60.39	60.02	**59.90**	60.07	60.42	60.83	61.35	61.50	61.45	61.25	61.15	61.38
59.74	58.96	**58.63**	58.67	58.95	59.24	59.68	60.25	60.65	60.60	60.40	60.30	60.32
59.83	59.10	58.69	**58.67**	58.88	59.47	60.02	60.55	60.80	60.90	60.80	60.70	**60.12**
60.42	59.64	59.07	**58.92**	59.12	59.58	60.10	60.85	61.25	61.40	61.30	61.15	60.48
60.53	59.80	**59.37**	59.42	59.53	59.98	60.55	61.10	61.70	62.15	62.25	62.20	60.98
62.69	61.82	**61.54**	61.68	62.07	62.34	62.79	63.15	63.35	63.45	63.60	63.45	62.71
62.19	61.70	**61.23**	61.37	61.44	61.82	62.17	62.70	63.05	63.20	62.95	63	62.80
62.53	62.19	**61.80**	**61.80**	62.18	62.53	63	63.30	63.60	63.85	63.85	63.85	63
63.44	62.84	**62.49**	62.59	63.17	63.92	64.37	64.80	65.05	65.20	65	64.80	64.05
64.13	63.57	63.12	**63.08**	63.34	63.67	63.92	64.50	64.90	64.95	64.90	64.80	64.53
64.30	63.64	**63.39**	63.73	64.12	64.42	64.90	65.20	65.30	65.45	65.40	65.15	64.77
63.09	62.42	**62.03**	**62.03**	62.48	62.90	63.27	63.85	64.30	64.40	64.40	64.35	63.84
63.67	62.78	62.45	**62.35**	62.62	62.99	63.34	63.95	64.30	64.25	64.20	64.15	63.93
63.23	62.69	62.28	**62.20**	62.58	62.93	63.52	63.95	64.20	64.15	63.90	63.80	63.73
62.40	61.60	61.09	**61.03**	61.34	61.65	62.29	62.90	63.35	63.40	63.25	63.15	62.95
61.54	60.74	**60.23**	**60.23**	60.63	60.99	61.49	61.85	62.20	62.35	62.30	62.15	62.22
61.60	60.68	60.10	**59.95**	60.08	60.68	61.32	61.70	62.20	62.35	62.50	62.45	61.92
61.94	61.44	**61.11**	61.24	61.54	62.07	62.75	63.05	63.25	63.35	63.10	63	62.55
62.03	61.37	61.14	**61.12**	61.48	61.84	62.62	63.10	63.55	63.55	63.65	63.50	62.83
62.10	61.42	60.73	**60.67**	60.90	61.39	61.92	62.50	62.55	62.70	62.45	62.50	62.46
61.74	61.38	61	**60.97**	61.18	61.59	62	62.50	62.75	62.70	62.35	62.40	62.26
62.37	61.37	60.79	**60.71**	61.02	61.48	61.73	62.20	62.45	62.65	62.55	62.40	62.31
60.91	60.42	**60.08**	60.24	60.58	60.76	61.12	61.60	62.05	62.35	62.30	62.10	61.64
62.11	61.46	**61.10**	61.17	61.51	61.91	62.37	62.85	63.15	63.23	63.12	63.02	62.64

TEMPERATURE (°C.)

1 p.	2 p	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
27.9	28.3	28.7	**29.6**	28.2	26.4	26.1	24.9	24.5	24.5	24.4	24.4	25.2
29.8	28.8	26.9	27.7	26.2	25.7	25.1	24.8	24.1	23.5	23.3	23.5	**25.7**
29.1	28.7	27.7	27	26.9	26	25.8	24.8	24.3	24.1	24.3	24.3	25
28.5	**29.1**	27.3	26.3	25.5	25	24.7	23.9	23.9	23.5	23.3	23.5	25
29.4	28.7	28.9	27.6	26.4	25.2	24.4	23.8	23.5	23.2	23	22.9	25.1
29	28	27.7	26.9	26.3	24.7	24	23.1	22.5	22.1	21.9	**21.7**	24.6
29.9	28.4	29.8	27	26.8	25.6	24.9	23.9	23.6	23.1	23	23	24.8
27.9	28.1	**28.3**	27.9	27	25.4	24.7	24	24	22.8	23	22.5	24.6
29.6	30.4	**30.5**	30	28	25.8	24.7	24.2	23.6	23.1	22.4	21.7	24.9
31	**31.5**	31.3	29.9	28.2	26.3	25.5	24.8	24	23.5	22.5	21.6	25
28.5	30	**31.2**	30.4	29	26	24.5	24.1	23.6	23.2	23	22.5	24.4
28.2	28.2	**29.2**	29.1	27.5	25.7	25.3	24.7	23.4	22.1	21.5	21.2	24.5
29.1	29.6	**30.4**	30.3	28.7	25.8	24.9	23.9	22.8	22.6	23.4	21.9	24.4
27.9	**29.4**	29.1	28.2	26.5	25.6	24.2	23.3	22.4	21.8	21.4	20.7	23.7
28.8	29.9	**30.1**	29.8	29.2	26.9	26	25.3	24.3	23.5	24	24.6	24.8
28.2	28.6	**29.4**	28.3	27.8	25.3	23.9	23.4	22.9	21.9	21.8	**21.1**	24.7
28	29.7	**30.2**	29.4	27.9	25.6	23.7	22.5	22.3	22.7	21.5	21	23.9
27.8	29.7	**29.8**	29	28.7	25.4	24.2	23	21.8	21.7	21.3	20.5	23.6
28	**28.8**	28.4	26.6	25.5	24.3	23.5	22.9	22.8	23.2	22.9	22.8	23.5
29.1	28.8	28.2	27.4	27.2	25	23.6	23.2	22.9	22.3	22.3	21.6	24.2
26.8	28.1	**28.3**	27.6	27.1	24.4	22.8	22.1	22.2	21.5	20.9	**20.4**	23.8
28	27.6	27.4	27.8	26.5	24.5	22.6	22	21	20.6	20.5	21	**23**
28.3	29.3	**30.3**	29.4	27.3	24.9	23.2	21.7	21.7	20.8	20.4	19.9	**23**
29.3	**31.7**	31.5	30.4	28.8	26.3	24.5	23.3	22.5	22.3	22.2	22.7	23.5
29	30	30.1	**30.8**	29.2	27	25.6	24.7	24	23.1	22.1	21	24.5
30.8	30.3	30.6	29.2	28.5	25.9	24.5	22.8	21.7	22.1	22	21.5	24.5
28.9	30	29.1	**30.1**	28.8	26.1	25	23.2	22.2	21.1	20.4	20.2	23.8
26.6	25.5	26.7	26.7	**27**	26	25.1	24.7	23.7	22.3	21.7	22.1	23.5
30.1	29.8	29.7	29.4	27.7	25.9	25	23.3	23.3	22.1	21.2	20.5	24.4
28.8	28.8	29.3	**30.8**	29	26.4	25	23.6	22	20.9	20.4	19.4	23.3
31.7	**32.2**	31.8	31.3	29.6	26.9	25.3	24.5	23.4	22.1	21.2	20.5	24.3
28.8	29.2	**29.3**	28.8	27.6	25.7	24.6	23.7	23.1	22.5	22.2	21.8	24.3

RELATIVE HUMIDITY (%)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	91	90	94	95	95	96	95	86	73	75	71	67
2	**92**	91	91	91	89	90	88	79	68	68	68	**61**
3	95	96	96	96	**97**	96	**97**	89	75	78	73	68.5
4	90	92	94	92	94	**97**	94	91	81	75	75	77
5	96	94	96	95	95	96	**97**	92	84	78	66	**64**
6	91	91	90	**93**	88	87	88	75	73	67.5	63	59
7	88	88	87	90	90	**91**	88	74	69	69	66	60
8	92	92	91	93	94	**95**	92	82	76	73	72	74
9	93	94	**95**	**95**	94	**95**	**95**	85	76	74	75	74
10	94	94	93	93	95	95	**96**	88	67	60	60	60
11	89	91	94	93	93	**96**	**96**	82	67	66	71	70
12	93	95	95	95	93	96	**99**	91	76	75	76	73
13	95	97	97	**98**	**98**	**98**	97	87	80	73	70	68
14	91	93	92	93	**95**	94	**95**	84	75	71.5	69	67
15	94	**95**	93	93	94	**95**	94	84	72	69	67	68
16	84	89	92	**94**	92	91	92	90	89	81	73	64
17	90	91	92	92	94	**95**	94	82	68	67	61	64
18	92	93	94	96	96	96	**98**	85	68	65	61	57
19	90.5	89	89	90	90	**92**	**92**	80	64	**58**	60	61
20	85	88	**92.5**	89	92	92	92	76	66	62	63	67
21	87	87	85	87	85.5	**91**	**91**	80.5	65	69	68	64
22	92	93	93	**97**	93	94	94	81	67	64.5	54	**53**
23	89	91	93	90	92	93	**95**	82	59.5	55	46	51.5
24	88	91	91	91	91	**93**	86	78	66	62	59.5	58
25	82	87	90	89	90	**92**	87	80	70	63	62	**59**
26	90	91	91	**92**	**92**	**92**	91	82	65	52	**43**	44
27	85	89	93	91	**92**	**92**	91	77	62	47.5	**42**	53
28	86	87	87	86	87	89	84	74	66	**63**	64	70
29	90	93	95	**96**	95	94	93	82	68	70	72	63
30	90	92	94	93	93	**96**	95	83	62	69	64	60
31	89	**93**	91	92	92	**93**	**93**	75	58	56	52	47
Mean	90.1	91.5	92.3	92.6	92.6	**93.6**	92.9	82.5	70.2	67	64.1	62.8

VAPOR PRESSURE (mm)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	18.4	**17.9**	18.1	**17.9**	**17.9**	**17.9**	18.2	19.2	19.7	20	20.8	19.7
2	20.9	20.4	20	19.8	19	18.7	**18.3**	18.6	18.8	19.8	20.5	20.5
3	19.6	19.4	19.1	18.9	18.8	**18.4**	18.8	19.7	19.8	20.5	19.6	19.9
4	19.9	19.8	20	19.7	19.7	20	19.7	**19.6**	20.2	19.9	21.1	20.9
5	20.3	19.7	20.2	20.1	19.5	19.4	19.8	19.9	20.2	**21**	19.4	19.7
6	18.8	18.9	18.7	**19**	17.9	17.6	17.5	16.8	17.3	17.8	18.1	17.6
7	16.8	**16.7**	17	16.9	16.8	17.2	17.3	17.1	18.7	19.1	18.2	18.2
8	18.4	18.5	18.6	18.2	**17.6**	**17.6**	17.7	17.7	18.9	19.5	19.5	20.2
9	18.1	**17.8**	18.1	18.1	18.1	18.2	18.5	18.8	19.5	20.2	19.8	**21**
10	17.5	17.1	16.8	16.4	16.3	**16**	16.4	17.9	17.8	18.1	19	**19.4**
11	16.8	16.3	16.1	15.5	15.2	**15.1**	15.4	16	17.1	18.6	19.9	20
12	18	17.9	17.8	17.9	18.2	**17.5**	17.9	19.7	19.5	20.2	**20.5**	20.3
13	17.8	17.5	17.1	17.1	16.6	**16.5**	16.6	17.7	20.1	19.8	19.3	19.8
14	17.1	16.9	16.2	16.1	15.9	**15.6**	15.9	17	18.3	18.7	18	18.3
15	17.2	17.6	16.5	16.2	**15.9**	16	16.3	17.6	18.3	18.9	18.4	19.2
16	19.1	19.4	18.7	18.5	18.4	18.3	18.6	19.5	**19.7**	**19.7**	20	19
17	16.2	15.9	15.6	15.3	15.3	**15.1**	15.5	16.6	17.1	18.4	17.9	18.1
18	16.3	15.7	15.3	15.2	14.9	**14.5**	15	16.1	17.1	17.4	17.2	16.9
19	15.6	14.8	14.6	14.5	**14.4**	**14.4**	**14.4**	15.7	16.6	16.2	16.4	17.4
20	**17.5**	17.2	16.8	16.7	16.6	16.7	16.8	16.6	16.8	17	16.8	16.8
21	16.8	17	16.8	16.9	16.3	16.3	16.6	17.4	17.1	17.4	16.9	16.7
22	15.4	15.1	14.9	15	14.7	**14.6**	14.9	16	16.7	16.9	15.5	15.2
23	15	14.6	14.3	13.6	13.4	**13.1**	13.7	**15.1**	14.7	14.6	13.5	14.2
24	14.1	13.8	13.6	13.3	13.3	**13.1**	13.3	14.4	15.5	16	15.3	15.7
25	16.2	16	15.7	15.4	15.1	**14.9**	**14.9**	15.5	17	16.9	16.3	16.4
26	15.8	15.7	15.6	15.3	15	14.7	15.7	16.5	16.3	15.4	14.7	15.4
27	15.1	14.7	14.5	14.3	14.1	14.3	14.5	14.9	**15.8**	13.7	**13.3**	15.5
28	14.7	**14.5**	14.7	**14.5**	14.6	**14.5**	14.8	15.1	16.1	16.6	16.9	18.3
29	18.1	17.2	17	16.7	16.6	16.8	17.4	18.6	17.6	17.9	**19**	18.1
30	15.5	15.3	14.7	14.4	14.1	**14**	14.2	15.4	14.9	16.8	**16.9**	16.4
31	14.8	14.5	14	13.7	13.7	**13.6**	13.8	14.6	15.3	15.6	16.3	15.9
Mean	17.2	16.9	16.7	16.5	16.3	**16.1**	16.4	17.1	17.7	18	17.9	18.1

RELATIVE HUMIDITY (%)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
70	70	69	**67**	72	80	80	88	91.5	89	91	90	82.7
67	75.5	84	81.5	87	90	**92**	87	91	**92**	**92**	91	83.6
68	72	79	87	78	81	78	83	88	89	89	89	84.9
73	**71**	81	88	92	92	92	94	94	95	**97**	96	**88.2**
66	69	69	72	81	83	87	91	91	91	92	89.5	84.8
58	**57**	59	63	65	73	72	79	82	85	86	88	76.4
62	66	**57**	74	68	72	79	83	87	89	90	90	78.2
73	72	72	**71**	72	76	80	83	83	90	89	91	82.4
67	63	**61.5**	62	70	81	83	86	89	90	90	94	82.6
57.5	56	**55**	**55**	61	70	74.5	79	82	84	88	90	77
70	63	**54**	55	65	79	86	86	88	90	91	91	80.2
70	70	66	**62**	73	78	83.5	87	90	94	95	95	84.2
67	64	60	**59**	70	80	83	86	90	91	81	88	82.4
69	**64**	66	70	76	79	86	84.5	87	90	91	**95**	82.4
64.5	61	**60**	63	63	73	73	79	83	85	84	82	78.7
68	64	**61**	62	67	77	82	82	83	88	86	89	80.8
63	59	**58**	62.5	59	64	75	81	82	81	87	89	77.1
62.5	58	56.5	62	**56**	67	69	79	85	85	86	89	77.3
65	67	69	69	75	81	84	87	89	85	85	85	79
55	56	58	60	61	70	76	76	76	81	83	87	75.1
65	**63**	64	68	**63**	73	79	81	79	81	84	87	77
63	58	59.5	58	63	73	81	81	86	87	87	83	77.3
49	49	**45**	46.5	53.5	63	71	75	74	78	80	83	71
57	**45**	48	51	56	65	74	79	82	84	84	81	73.4
57	55.5	56	**53**	55	66	73	75	74	74.5	80	87	73.2
53	56	52.5	45	48	57	65	73	77	74	78	80	70.1
53	50	53	44	46	56	60	71	74	81	83	84	**69.6**
72	84	78	79	77	79	82	78	79	87	**92**	91	80
57	56	52	**50**	55	61.5	65	75	75	79	84	88	75.4
55	54	53	**43**	48	60	65	72	79	84	87	91	74.2
46	**45**	47	47	51.5	62	70	74	79	87	89	91	71.6
62.7	61.7	**61.4**	62.2	65.4	73	77.4	81.1	83.5	85.8	87.1	88.5	78.4

VAPOR PRESSURE (^{mm})

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
19.6	19.9	20.1	20.7	20.4	20.5	20.1	20.6	**20.9**	20.3	20.6	20.4	19.6
21	22.2	22.1	**22.4**	22	22.1	21.7	20.3	20.4	19.8	19.6	19.6	20.4
20.4	21	21.6	**23.1**	20.6	20.2	19.2	19.4	19.9	19.8	20.1	20.1	19.9
21.1	21.2	21.7	**22.3**	22.2	21.7	21.2	20.7	20.7	20.4	20.5	20.6	**20.6**
20	20.2	20.5	19.7	20.7	19.7	19.7	19.8	19.6	19.3	19.2	**18.6**	19.8
17.4	**16**	16.3	16.6	16.5	16.9	**16**	16.5	16.7	16.8	16.7	17	17.3
19.4	19.1	17.8	**19.6**	17.8	17.6	18.6	18.3	18.8	18.6	18.8	18.7	18
20.3	20.4	**20.7**	19.8	19.2	18.3	18.5	18.4	18.4	18.6	18.5	18.4	18.8
20.7	20.2	19.9	19.7	19.7	20.1	19.3	19.4	19.2	18.8	18.2	18.1	19.1
19.2	19.1	18.9	17.4	17.3	17.9	18	18.3	18.2	18	17.7	17.3	17.8
20.2	19.8	18.1	17.6	19.3	19.8	19.6	19.3	19	19.1	19	18.4	18
19.8	19.8	19.8	18.7	20.	19.2	20	20.2	19.3	18.5	18	17.7	19
20	19.7	19.4	19.1	**20.5**	19.7	19.3	19	18.6	18.6	17.4	17.3	18.5
19.2	19.6	19.8	**20**	19.5	19.3	19.2	18	17.5	17.5	17.2	17.3	17.8
19	19.1	19	**19.6**	19	19.2	18.3	18.9	18.8	18.4	18.6	18.8	18.1
19.2	18.6	18.5	17.6	18.7	18.5	18.1	17.5	17.3	17.3	**16.6**	**16.6**	18.5
17.8	18.3	18.5	**19**	16.4	15.7	16.3	16.4	16.5	16.6	16.6	16.5	16.7
17.3	17.9	17.6	**18.5**	16.3	16.1	15.5	16.6	16.5	16.4	16.3	15.9	16.4
18.3	19.6	**19.9**	17.9	18.2	18.2	18	18	18.3	18	17.7	17.6	16.9
16.5	16.6	16.4	16.3	16.5	16.4	16.4	16.1	**15.8**	16.3	16.7	16.6	16.6
17.1	17.9	18.4	**18.8**	16.9	16.6	16.4	15.9	15.7	**15.5**	**15.5**	**15.5**	16.8
17.6	15.9	16.1	16.1	16.2	16.7	16.5	16	16	15.7	15.6	15.5	15.8
14	14.8	14.6	14.2	14.4	14.7	14.9	14.5	14.2	14.3	14.2	14.4	**14.3**
17.4	15.5	16.6	16.3	16.4	16.5	16.9	16.7	16.5	16.8	16.7	16.6	15.4
16.8	17.5	17.7	17.4	16.7	17.5	**17.8**	17.3	16.5	15.7	15.8	16.1	16.4
17.4	**17.9**	17.1	**13.5**	13.9	14.1	14.8	15	14.9	14.6	15.3	15.3	15.4
15.8	**15.8**	**15.8**	14	13.5	14.2	14.2	14.9	14.7	15.1	14.8	14.8	14.7
18.7	20.3	20.3	**20.5**	20.3	19.8	19.4	18	17.2	17.4	17.7	18	17.2
18	17.5	16.2	15.3	**15.1**	15.3	15.4	16.1	15.9	15.6	15.8	15.8	16.8
16.2	15.8	16.1	14.2	14.3	15.3	15.4	15.5	15.5	15.5	15.5	15.3	15.3
15.9	16	16.6	15.9	15.9	16.3	16.7	16.9	16.8	**17.1**	16.7	16.3	15.5
18.4	**18.5**	**18.5**	18.1	17.9	17.9	17.8	17.7	17.6	17.4	17.3	17.3	17.5

CLOUDS—FORM AND DIRECTION

Day.	8 a.		9 a.		10 a.		11 a.		Noon.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E	....	Cu. E
2	Ci.	Cu.	....	Cu.	....	Cu. E	....	Cu. E	....	Cu.
3	....	Cu.	....	Cu.	....	Cu. E	....	Cu. ENE	....	Cu. E
4	....	N.	A.-Cu.	Cu.	....	Cu. E	....	Cu. E	....	S.-Cu.
5	....	S.-Cu. E	Ci.-S.	Cu. E	....	Cu. E	....	Cu.	....	Cu. E
6	....	Cu. ENE	Ci.-S.	S.-Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.	Cu.
7	....	Cu.	....	Cu. E	....	Cu. E	....	S.-Cu. E	....	S.-Cu.
8	....	Cu.	....	Cu. ENE	....	Cu. ENE	....	Cu. ENE	....	S.-Cu. ENE
9	A.-Cu.	Cu. E	....	Cu. E	....	Cu. E	....	N.-cf. E	....	Cu.-N. E
10	....	....	....	Cu.	....	Cu.	....	Cu.	....	Cu.
11	....	....	....	....	....	Cu.	....	Fr.-Cu.	....	Fr.-Cu.
12	Ci.	Cu.	....	Cu. ENE	....	Cu. ENE	Ci.	Cu. ENE	Ci.	Cu.
13	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
14	Ci.	Cu.	Ci.	Cu.	....	Cu.	....	Cu. E	....	Cu. E
15	A.-Cu.	Cu. E	A.-Cu. ENE	Cu.	....	Cu.	....	Cu. E	....	Cu.
16	Ci.-S.	S.-Cu.	Ci.-S.	S.-Cu.	Ci.-S.	Cu.	....	Cu. E	....	Cu. E
17	....	Cu.	....	Cu.	....	Cu.	....	Cu. E	....	Cu.
18	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E	....	Cu. E
19	A.-Cu.	S.-Cu.	Ci.-S.	Cu. E	Ci.	Cu. E	....	Cu. E	....	Fr.-Cu E
20	....	Cu.	....	Cu.	....	Cu. ENE	....	S.-Cu. ENE	....	N.
21	Ci.-S.	Cu.	Ci.-S.	Cu.	....	Cu. E	....	Cu. E	....	Cu. E
22	A.-Cu.	Cu.	Ci.-S.	Cu.	....	Cu. E	....	Cu. E	....	Cu. E
23	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
24	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
25	....	....	....	....	....	....	....	Cu.	....	Cu.
26	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E	....	Cu. E
27	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
28	Ci.	Cu.	Ci. E	Cu.	Ci.-S.	Cu.	Ci.-S. E	Cu.	Ci.-S.	Cu.
29	Ci.	Cu.	....	Cu. E	....	Cu. E	....	S.-Cu. ESE	....	S.-Cu. ESE
30	....	....	....	....	....	Cu.	....	Cu.	....	Cu.
31	....	....	....	....	....	Cu.	....	Cu.	....	Fr.-Cu.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	....	N.-cf. EbyS	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
2	....	Cu. E	....	Cu.-N. ENE	....	Cu.-N. ENE	....	Cu.-N. ENE	....	Cu. ENE
3	....	Cu. E	....	Cu. E	....	Cu. E	Ci.-Cu.	Cu. E	Ci.	Cu.
4	....	Cu. E	....	Cu. E	....	N.-cf. E	....	N.-cf. E	....	Cu. E
5	....	Cu. E	....	Cu. E	....	Cu. E	Ci.-S.	Fr.-N. E	Ci.-S.	Cu. E
6	Ci.	Cu. E	Ci-S.	Cu. E	Ci.-S.	Cu. E	....	Cu. E	....	Cu. E
7	....	S.-Cu. E	....	Cu. E	....	Cu. E	....	Cu. E	A.-Cu.	Cu. E
8	....	S.-Cu. ENE	Ci.-S. NE	Cu.	Ci.-S. NE	Cu.	Ci.-S. NE	Cu. ENE	Ci.-S.	Cu.
9	Ci.-S. E	Cu. E	....	Cu.	....	Cu.	....	Cu.	....	Cu.
10	....	Cu. E	....	Fr.-Cu.	....	Cu.	....	Cu.	....	Cu.
11	....	Cu. E	Ci.	Cu.	Ci.	Cu.	....	Cu.	....	Cu.
12	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
13	....	Cu.	Ci.	Cu.	Ci.	Cu.	....	Cu.	....	Cu.
14	....	Cu. E	....	Cu. ENE	....	Cu. ENE	....	Cu. E	....	Cu. ENE
15	....	Cu. EbyS	....	Cu. E	....	Cu. E	....	Cu. E	Ci.	Cu. E
16	Ci.-S.	Cu. ESE	Ci.-S.	Cu. ESE	....	Cu. ESE	....	Cu. E	A.-Cu. E	Cu.
17	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu.
18	....	Cu. ENE	....	Cu. E	....	Cu. E	....	Cu.	....	Cu.
19	....	Cu. E	....	Cu. E	....	Cu. EbyN	....	Cu. E	....	Cu. E
20	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
21	....	S.-Cu. E	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
22	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
23	....	Cu.	Ci.	Cu.	....	Cu.	....	Cu.	....	Cu.
24	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
25	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
26	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
27	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
28	....	N.-cf.	....	N.-cf. ENE	....	Cu. ENE	....	N.-cf. ENE	....	Cu. E
29	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu.
30	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
31	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Calm	NNE 1	NE 1.5	NNE 1	NE 1	NE 0.5	NEbyN 0.5	NNE 1	Calm	WNW 1.5	WNW 1.5	WNW 3
2	Calm	NNE 1	Calm	Calm	N 1.5	NNE 1	NbyE .5	NNE 2	NNW 1.5	NNE 1	Calm	SW .5
3	NW 1	N .5	ENE 1	NE 1	Calm	Calm	Calm	Calm	Calm	WSW 1	WSW 2	WbyS 1.5
4	Calm	Calm	Calm	SE .5	Calm	Calm	NNE 1	NNW 4	N 4	NE 1	W 1	WSW 4.5
5	Calm	ENE .5	Calm	NE .5	N .5	E .5	Calm	Calm	ENE .5	NE .5	E 3.5	NE 2
6	N 1	NNE 1.5	NNE 2	NE .5	NNE 1.5	NNE 1	NbyE 2	N 1.5	N 2	NNE 3.5	NE 1	NE 5.5
7	Calm	Calm	ENE 1	ENE .5	NNE 1.5	NE .5	NE .5	N 1	NE 1	NW 2.5	NW 1	ESE 3.5
8	Calm	ENE .5	NE .5	NE 1	NE 1	NNE .5	NNE 1	N 1	NE 1	SW 1	WSW 2.5	SW 2
9	NE 1	Calm	Calm	NE .5	NE .5	EbyN .5	Calm	Calm	Calm	Calm	W 2.5	Calm
10	NE 1.5	NE 1	NE 1.5	Calm	NNE .5	NE 1	NE .5	Calm	E .5	ESE 2	ESE 1.5	ESE 3.5
11	NE 1.5	NE 1.5	ENE 1.5	ENE 1	NE 1.5	NE 2	Calm	NE .5	NE .5	N 1	W 2.5	W 1.5
12	Calm	Calm	Calm	Calm	Calm	NE 1.5	NE 1.5	ENE .5	NE .5	WNW 2	W 2	WSW 3.5
13	NE 1	Calm	NE 1	ENE 1	Calm	NE .5	NE .5	NE .5	NE .5	WSW 2	W 1.5	W 4
14	NNE .5	NE .5	NE 1	NE 1	NE .5	NNE .5	NE .5	NE 1	N 1	SW 1	W 2	WSW 2
15	SE 1	Calm	ENE 1	E 1	NE 1.5	NE .5	NE .5	E .5	N 1.5	WNW 1	W 2.5	WNW 2
16	Calm	Calm	Calm	N 1.5	Calm	ESE .5	EbyN .5	Calm	Calm	SE 1.5	N 1	E 1
17	NE 1.5	E 1	NE 1.5	NE 1	NE 1.5	NE .5	NNE .5	NE 1	NE .5	NW 1	NW 2.5	W 1.5
18	NE 1	NE 1	NE 1	NE 1.5	NE 1.5	NE .5	NE .5	NNE .5	Calm	WNW 2	W 3	WNW 3
19	NE 1.5	ENE 1.5	ENE 1	NE 1	NNE 1	NE 1.5	NE 1	NE .5	W 1.5	WSW 1	W 2.5	WNW 2.5
20	SSE 2	SSE 2	N 1	NNE 1	Calm	Calm	Calm	NNE 1	N 1	N 2	NW 1	NNE 1.5
21	Calm	ENE 1	NE .5	Calm	NE 1.5	NE .5	Calm	Calm	Calm	NNW 2.5	NW 5.5	NW 4.5
22	ENE .5	NE .5	Calm	NNE 1.5	NE 1.5	NbyE .5	NE .5	NE 1	NNE .5	E 1	ESE 3	ENE 1
23	ENE .5	NE 1	NE 1.5	NE 1.5	NE 1.5	NE 1	NE .5	Calm	Calm	NE 1	SE 2.5	W 3.5
24	ENE 1	NE 1	NNE 1.5	NNE 1.5	NNE 1	NNE .5	NNE 1.5	N 2	N 1	NW 1	WSW 2.5	WSW 2.5
25	N 1	N 1	NNE 1.5	NNE 1.5	NE 1	NNE .5	NbyE .5	N 1	N 1	NW 1	W 4	WSW 4.5
26	NE 1	ENE 1	NE 1	NE 1.5	NE 1	NNE .5	N .5	NNE 1	N 1	E 4	ENE 4.5	ENE 4
27	E 1.5	NE 1.5	NE 1.5	ENE 1	Calm	ENE 1	NNE .5	NE .5	E .5	E 5	ESE 6.5	WSW 2
28	ENE 1	NNE 1	Calm	NNE 1.5	NE 1	NNE .5	NNW 1	N 1	N 1	Calm	WSW 2	NW 3.5
29	Calm	NE 1	ENE 1	ENE 1	Calm	ENE 1	ESE 1	N .5	WSW .5	W 2	NW 4	ESE 7.5
30	E 1.5	ESE 2	NE 1.5	NE 1.5	NE 1	NE .5	Calm	Calm	Calm	W 1	NW 3	W 1.5
31	E 1.5	ESE 1	ENE 1.5	NE 1.5	NE 1.5	NE 2	ENE 1	Calm	E 1	W 2	E 5.5	ESE 2.5
Mean	0.8	0.8	0.9	1	0.9	0.7	6.0	0.8	0.8	1.6	2.6	2.8

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Mid-night.	Mean.
1	WNW 0.5	WSW 2.5	SSE 0.5	E 0.5	SE 3	ESE 0.5	NNW 2	Calm	Calm	Calm	Calm	Calm	0.9
2	SSW 1.5	SW 1	E 3.5	EbyS 2	E 1	E .5	E .5	E 1	Calm	NNE 1.5	W 1.5	W 1	1
3	WSW 2	WSW 1	W 1.5	Calm	Calm	NE .5	NE 1	E 1	Calm	Calm	WNW 1	Calm	.7
4	NNE 3.5	NE 1	ENE .5	S .5	Calm	NNE .5	Calm	Calm	Calm	Calm	E 1	Calm	1
5	E .5	NW 1.5	E 1	NE 1	NNE .5	NNE 1.5	NE 2	NE 1.5	ENE 1.5	NNE 1	NNE .5	Calm	.9
6	NE 1.5	NNE 7	NNE 4	N 2.5	NNE 1	N 2	NNE 2.5	NNE 1.5	N .5	Calm	Calm	Calm	1.9
7	E 3.5	NE 2.5	E 6	ESE 3	E 2	E 3.5	ENE .5	ENE .5	Calm	Calm	Calm	Calm	1.4
8	E 2	ESE 1	SE 2.5	SE 4.5	ESE 2.5	ESE 1.5	E 1.5	SE 2.5	ESE 1.5	NE 1.5	NE 1	Calm	1.4
9	ESE 3.5	SE 2.5	ESE 2	SE 2	ESE 2	SE 1	ESE 1.5	ESE 2	ESE 2	ENE 1.5	E 1.5	ENE 1.5	1.2
10	ESE 4.5	SE 3.5	SE 2	SE 5	SSE 2.5	SE 4	SE 2.5	SE 2.5	ESE 2	ESE 2.5	ESE 1.5	NE 1.5	2
11	WSW 3	W 2	SE 1	SE .5	SE 1	SE 1	SE 1.5	S 1.5	S .5	S 1	S 1.5	Calm	1.3
12	W 3	W 3	W 2	W 1	W 1	WbyS 2	SW 3.5	SSW 1.5	SE 1	ENE 1.5	E 1	NE 1	1.4
13	WNW 3.5	W 3.5	W 2	W 1	Calm	SE 1	SE 2	SE 2	Calm	Calm	N 1.5	N .5	1.2
14	WbyS 1.5	SSE 5	SE 5	SE 3.5	SE 3.5	SE 3.5	ESE 1.5	ENE 1	E 1	SE 1.5	NE .5	Calm	1.6
15	WNW 3.5	W 3.5	WNW 1.5	WNW 2	ESE 1.5	ESE 1	E 1.5	ESE 1.5	ENE 1.5	E 1.5	E 1.5	ESE 1.5	1.5
16	SE 4.5	ESE 6	E 1	E 2.5	E .5	E .5	E .5	ESE 2.5	SE 2	E 1	SSE 2	E 1.5	1.3
17	W 4.5	SW 2.5	NW 1.5	NW .5	EbyN 2	EbyN 1.5	EbyS 2	E 1.5	SSE 2.5	SSE 2.5	S 2	ESE 1	1.6
18	WNW 3	WNW 1	W 1.5	Calm	E 2	E 2	ESE 1.5	ESE 2	SSE 1.5	SSE 2	S 1.5	Calm	1.4
19	ENE .5	SSW 1.5	SW 1.5	ENE 5.5	ENE 1.5	E .5	ESE 1.5	SSE 2.5	SE 2.5	SE 2	SE 1.5	SE 1.5	1.6
20	ENE 5.5	ENE 5.5	E 3.5	E 3.5	E 2	E 4	E 1	E 1.5	NNE 1	NNE 1	Calm	Calm	1.7
21	WNW 2	W 4	W 1	SW 1	ENE 1	E 1.5	E 1	SSE 2	SSE 2	ESE 2	E 1.5	E 1	1.5
22	WbyS 1.5	E 2	ENE 3.5	E 1.5	ESE 3.5	ESE 1.5	ESE .5	E 2	ENE 1.5	E 1.5	E 1.5	ESE 2.5	1.4
23	WNW 2.5	WSW 3	SE 3	ESE 4.5	SE 4	SE 2	ESE 2	S 2	S 2.5	S 2	S 2	S 2	1.9
24	SW .5	SE 4.5	ESE 5	SSE 4.5	ESE 2	ESE 3	ESE .5	SE 1.5	S 2	S 1.5	S 1.5	Calm	1.8
25	WSW 2.5	W 1	WSW 2	SSE 1.5	ESE 2	SE 1.5	SE 1	ESE 2	ESE 2	SE 1.5	SE 1.5	Calm	1.5
26	WbyS 3.5	WSW 4	W 1	E 3	EbyN 5	E 2	ENE 2	ENE 1.5	ENE 2	ENE 2	ESE 3	SE 2.5	2.2
27	W 2	SW 2.5	WSW 4.5	ESE 4	EbyN 2.5	EbyS 2	E 2	NE 1.5	ENE 1.5	Calm	ESE 1	NE 1	1.9
28	NW 2.5	WSW .5	W .5	W .5	WNW 1.5	NNW 2.5	ESE .5	E 2	E 2	ENE 1	Calm	NNE 1	1.2
29	ESE 7.5	ESE 7.5	ESE 11.5	ESE 6	ESE 4.5	ESE 2	ESE 2.5	E 1.5	ENE 1.5	ESE 1	E 1.5	E 1	2.8
30	WNW 3	W 4.5	WSW 1	SE 5	SE 5	SE 1	ESE 2	ESE 2.5	ESE 2.5	ESE 1.5	SE 1	E 1	1.8
31	SSE 6	SSE 2.5	ESE 2	SE 2	SE 2	SE 1.5	SE 2	ESE 2.5	SE 1.5	SE 1.5	Calm	E 1	1.9
Mean	2.9	3	2.5	2.4	2	1.7	1.5	1.6	1.4	1.2	1.1	0.8	1.5

WIND—VELOCITY IN KILOMETERS PER HOUR

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	2	3	4	3.5	3.5	4.5	4.5	4.5	3.5	4	10	13
2	0	0	.5	.5	6	7	6	7	9	9	5	2
3	3	2.5	1.5	3	1.5	1	2	.5	0	5	**9**	7.5
4	1	.5	.5	.5	1	1.5	3.5	8	10	**12**	10	10.5
5	0	0	0	0	0	0	0	0	0	3	6.5	7.5
6	2	2	3	0	3	5	6	8	9	9	10	18
7	.5	.5	2.5	1.5	1.5	1.5	.5	1	2.5	3.5	11	9
8	1	.5	3	3.5	4	4	5	7.5	6.5	4	6.5	9
9	3	3	3	2.5	2.5	1	2	.5	3	3.5	6.5	7.5
10	4	3.5	5	3.5	.5	3	4	1	2	7	11	8
11	8	5	5	3	3.5	5	3	.5	0	5.5	8.5	12
12	3	2	1	2	1.5	1	2.5	3	7.5	9.5	13	13
13	4	1.5	2.5	4.5	3	2	3	5	4	4	10	**13**
14	2.5	2.5	3	3	4	3.5	3.5	5	5.5	3.5	8	10
15	3.5	1.5	2.5	3	4	5	3	3	4	6	11	**16**
16	3.5	.5	0	2	4	1.5	1	.5	2.5	4.5	6	5
17	5.5	4.5	4.5	4	3	4	5	4	4.5	4.5	13	**16**
18	4	4	4	4	5	5	4	2.5	4	3.5	**16**	13
19	4.5	5	5	4	4.5	3.5	5	3	3	6	11	12
20	7	8	3	3	3	1	.5	3.5	4	4	4	8.5
21	.5	1	1	2	3.5	2	1	0	.5	9	**17**	13
22	2.5	3	3	4	5	5	4	2.5	2	2.5	6	6.5
23	6	4	4	6.5	6.5	2	2.5	.5	.5	2	5	9.5
24	5	3	4	5	6	4	5	6	6	6	10	10.5
25	3	4	3	4.5	4.5	4.5	5	6.5	2.5	6.5	13	12
26	2.5	3	3	4.5	3.5	5	7	5	6	5	**19**	16
27	6.5	4.5	1.5	3.5	.5	2.5	.5	2.5	.5	8	**16**	12
28	2.5	1.5	2.5	2.5	3.5	4.5	1	6	5.5	3.5	4	12
29	.5	1	1.5	1.5	1	1	5	4.5	2	3.5	12	10
30	3.5	5.5	5.5	5.5	5	1.5	2	.5	0	6	10	**16**
31	2.5	4	4	5	5	5.5	5	3.5	2.5	6.5	11	15
Mean	3.1	**2.7**	2.8	3.1	3.3	3.1	3.3	3.4	3.6	5.5	10	11.1

AMOUNT OF CLOUDS (0-10)

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.	
														h.	*m.*
1	2	3	3	7	6	3	8	7	8	3	4	3	4.8	7	35
2	2	2	2	5	7	5	8	9	9	8	9	10	6.3	5	20
3	2	3	2	9	9	8	9	8	9	4	4	8	6.2	4	35
4	9	9	8	4	8	8	9	10	10	10	8	6	8.2	4	20
5	7	9	9	8	7	8	8	8	8	10	10	10	**8.5**	1	50
6	4	8	9	9	8	7	7	9	9	9	6	6	7.6	2	45
7	7	4	9	4	9	8	8	8	3	7	8	9	7	5	25
8	2	2	9	4	9	9	10	9	9	9	9	10	7.6	2	10
9	7	7	6	6	8	8	7	5	5	4	3	2	5.7	5	05
10	0	0	0	0	0	0	1	0	0	0	0	0	.1	9	20
11	0	0	0	0	0	0	1	0	0	0	0	0	**.1**	9	25
12	3	2	3	5	3	3	1	1	1	2	4	2	2.5	8	25
13	3	1	1	1	1	1	2	3	3	2	2	3	1.9	8	55
14	5	1	1	1	8	8	7	6	7	6	7	4	5.1	7	05
15	6	7	8	2	6	5	5	7	6	5	3	3	5.2	8	00
16	6	10	10	9	5	8	10	9	7	5	4	3	7.2	**1**	**35**
17	4	1	1	1	2	4	3	3	4	4	2	3	2.7	8	30
18	4	1	0	1	3	3	5	5	4	3	1	1	2.6	9	00
19	2	4	4	5	7	4	8	7	7	9	6	4	5.6	6	05
20	4	1	3	6	9	10	7	8	9	4	3	4	5.7	4	55
21	5	8	8	9	8	8	8	7	5	6	4	1	6.4	4	40
22	5	6	8	9	9	7	8	8	8	3	2	1	6.2	5	20
23	1	1	1	1	1	1	1	0	0	0	0	0	.6	9	20
24	3	0	0	0	0	1	1	1	1	1	1	0	.8	9	25
25	3	0	0	0	0	0	1	1	1	1	1	3	.9	9	10
26	2	1	2	3	4	4	3	4	4	4	2	2	2.9	8	40
27	3	1	1	3	3	3	1	0	1	0	0	3	1.6	9	20
28	8	4	8	9	9	9	9	8	7	8	7	10	8	2	40
29	8	3	4	8	9	9	8	7	4	4	1	3	5.7	7	50
30	1	0	0	0	1	1	1	1	1	1	1	0	.7	9	35
31	1	0	0	0	1	1	2	0	1	1	0	1	.7	**10**	**05**
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	206	25
Mean	3.8	**3.2**	3.9	4.2	5.2	5	**5.4**	5.1	4.9	4.3	3.6	3.7	4.4	6	40

WIND—VELOCITY IN KILOMETERS PER HOUR

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
15	12.5	10.5	9.5	9.5	6	3	3.5	0.5	0	0	0	5.4
9	9	9	6	**10**	.5	1.5	4	2	2.5	2.5	5	4.7
8.5	7	8	2	1	5	6	5	1	2	1	.5	3.5
9.5	8	6	4.5	2.5	0	0	0	0	0	0	0	3.7
7	10	8	**11**	8	6	9	5.5	4.5	4.5	1.5	2	3.9
24	15	22	14	12.5	6.5	5	7	3	1	1.5	1	7.8
16.5	15.5	13	**19.5**	13.5	11.5	7.5	4.5	1	1	1.5	1	5.9
7.5	8	8.5	7.5	**12**	11	6	7	8	5	3	2	5.8
9.5	13.5	**14**	13	8	10	6.5	6.5	6	6	6	4.5	5.9
10	11	14	**15**	**15**	14	12	10	8.5	8	7.5	5	7.6
13	10.5	9.5	8	7.5	5	3.5	5	3.5	4.5	4.5	4.5	5.8
14	11	9	9	5	10.5	11	6.5	3	5	5	3.5	6.3
13	12	**13**	8	2	3	8	6.5	3.5	1	4	3	5.6
10	10	13	**16**	15	13	7	5	6.5	4.5	4	2.5	6.7
15	11	13	12.5	7.5	9.5	8.5	6	4	5	5.5	6.5	6.9
12	**17**	16	14	4.5	2	1.5	4.5	6.5	8.5	5.5	4.5	5.3
14	13	10	12	8	10	9	6	6	10	7	5	7.6
13	13	11	6	10	10	8	8	5	7	5	4.5	7.1
9	11	8.5	**12.5**	12	5	4	8	8.5	10.5	7	4	6.9
13	**19.5**	17	17	13	12	7	6	4.5	2.5	.5	1	6.8
15	12	12	8	3.5	5.5	4.5	3.5	8	7	6	3.5	5.8
8.5	6	15	13	**17**	11	7	8	6.5	6.5	7	8	6.6
15	16	13.5	14.5	**17**	12.5	9.5	6	9	8	7	8	7.7
12.5	14	**17.5**	15	**17.5**	12	8	6	6	5	5	4	8
13	**14**	10	8	**14**	13	10	8	8	6.5	6.5	1.5	7.6
12	16	14	10	18	14	8	8	6	7.5	7.5	8.5	8.7
13.5	10.5	12	11	15	12	10	5.5	5	2.5	1.5	3.5	6.7
14	9	9	7	7	5	6	8	10	5.5	.5	1.5	5.5
26	20	22	25	23	16.5	9.5	7	6	4	3	3	8.7
16	13	12	11	13	13.5	8.5	10	6.5	3.5	4.5	3	7.3
20	19	13	12	14	13	9	9	8	6	2	3	8.2
13.2	12.5	12.4	11.3	10.8	9	6.9	6.2	5.3	4.9	4	3.5	6.5

FREQUENCY OF THE WIND

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW.	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	.....	3	4	.....	1	1	1	1	.....	.....	.....	1	.....	4	.....	1	7	130	3.2	.....
2	1	6	.....	.....	5	1	.....	.....	.....	1	2	.....	2	.....	.....	1	5	113	2.3	0.8
3	1	.....	3	1	1	.....	.....	.....	.....	.....	.....	5	1	1	1	.....	10	83.5	2.3	.3
4	1	3	2	1	1	.....	1	.....	1	.....	.....	1	1	.....	.....	1	11	89.5	1.8	3.6
5	1	4	6	3	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	5	94	3.8	.2
6	6	11	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	187.5	3.7	.....
7	1	1	4	4	4		.....	.....	.....	.....	.....	.....	.....	.....	2	.....	6	141.5	3.2	.....
8	1	2	6	1	2	2	3	.....	.....	.....	2	1	.....	.....	.....	.....	2	140	2.6	.....
9	.....	.....	3	3	1	4	3	.....	.....	.....	.....	.....	1	.....	.....	.....	7	141.5	3.9	.....
10	.....	1	6	.....	1	6 7	6	1	.....	.....	.....	.....	.....	.....	.....	.....	2	182.5	4.4	.....
11	1	.....	6	2	.....	.....	5	.....	4	.....	.....	1	3	.....	.....	.....	2	138	3.2	.....
12	.....	.....	4	2	1	.....	1	.....	.....	1	1	2	6	1	.....	.....	5	151.5	2.7	.....
13	2	.....	6	1	.....	.....	3	.....	.....	.....	.....	1	5	1	.....	.....	5	133.5	3.4	.....
14	1	2	7	1	1	1	5	1	.....	.....	1	2	1	.....	.....	.....	1	160.5	3	.....
15	1	.....	3	2	5	4	1	.....	.....	.....	.....	.....	2	5	.....	.....	1	166.5	3.9	.....
16	2	.....	.....	1	8	3	3	1	.....	.....	.....	.....	.....	.....	.....	.....	6	127.5	2.8	.....
17	.....	1	7	2	2	2	.....	2	1	.....	1	.....	2	.....	4	.....	.....	182.5	3.9	.....
18	.....	1	7	.....	2	2	.....	2	1	.....	.....	.....	2	4	.....	.....	3	169.5	4.1	.....
19	.....	1	5	5	1	1	4	1	.....	1	1	1	2	1	.....	.....	.....	166.5	3.7	.....
20	3	5	.....	2	6	.....	.....	2	.....	.....	.....	.....	.....	.....	1	.....	5	162.5	3.8	.....
21	.....	.....	3	2	4	1	.....	2	.....	.....	1	.....	2	1	2	1	5	139	3	.....
22	.....	3	4	4	6	5	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	159.5	3.7	.....
23	.....	.....	8	1	.....	2	3	.....	5	.....	.....	1	1	1	.....	.....	2	185	5.1	.....
24	2	5	1	1	.....	4	2	1	3	.....	1	2	.....	.....	1	.....	1	193	4.6	.....
25	4	4	1	.....	.....	3	4	1	.....	.....	.....	3	2	.....	1	.....	1	181.5	4.4	.....
26	2	2	4	8	3	1	1	.....	.....	.....	.....	2	1	.....	.....	.....	.....	209	5.4	.....
27	.....	1	5	4	4	3	.....	.....	.....	.....	1	3	1	.....	.....	.....	2	160.5	5.3	.....
28	2	4	1	2	2	1	.....	.....	.....	.....	.....	2	2	1	2	2	3	131.5	2.2	1.7
29	1	.....	1	4	3	10	.....	.....	.....	.....	.....	1	1	.....	1	.....	2	208.5	4.4	.....
30	.....	.....	4	.....	2	5	4	.....	.....	.....	.....	1	3	1	1	.....	3	175.5	4.6	.....
31	.....	.....	3	2	4	4	6	2	.....	.....	.....	.....	1	.....	.....	.....	2	197.5	5.8	.....
Total	33	60	118	59	74	73	56	17	15	3	11	31	42	21	17	6	108	4,802	114.2	6.6
Mean	1.1	1.9	3.8	1.9	2.4	2.4	1.8	0.5	0.5	0.1	0.4	1	1.4	0.7	0.5	0.2	3.5	154.9	3.7	0.2

EXTREME VALUES

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°*C.*		*Per cent.*	*mm.*	*mm.*		°*C.*		*Per cent.*	*mm.*
1	763.15	9.30a.	30.6	3.40p.	96	20.9	760.40	3.20p.	20.5	5.55a.	67	17.9
2	63.25	9.15a.	31.8	11.50a.	92	22.4	60.35	2.30p.	**22.6**	6.35a.	61	18.3
3	63.50	9.35a.	30.8	1.20p.	97	**23.1**	60.80	3.40p.	21.2	5.45a.	68	18.4
4	64.39	9.00a.	30	2.10p.	97	22.3	61.40	2.40p.	22.5	6.30a.	**71**	**19.6**
5	65.65	9.20p.	30.4	1.10p.	97	21	62.25	2.20p.	22.2	5.45a.	64	18.6
6	**66.35**	8.15a.	29.9	11.25a.	93	19	**63.65**	3.05p.	21.4	11.55p.	57	16
7	65.15	0.05a.	30.5	1.35p.	**91**	19.6	61.85	3.05p.	20.8	4.45a.	57	16.7
8	64.50	9.05a.	29.1	3.25p.	95	20.7	60.65	3.10p.	20.5	5.55a.	**71**	17.6
9	62.95	9.05a.	31.2	3.10p.	95	21	59.80	3.45p.	21.2	5.25a.	61.5	17.8
10	61.94	9.00a.	31.7	2.05p.	96	19.4	58.63	3.00p.	19	6.30a.	55	16
11	**61.60**	9.35a.	31.9	3.25p.	96	20.2	**58.60**	3.40p.	18.2	6.15a.	54	15.1
12	61.84	10.00a.	30	3.35p.	**99**	20.5	58.90	3.40p.	20.3	6.45a.	62	17.5
13	62.55	9.20a.	31	3.55p.	98	20.5	59.30	3.35p.	19	6.30a.	59	16.5
14	64.20	10.10a.	30.3	1.55p.	95	20	61.50	3.15p.	18.8	5.55a.	64	15.6
15	64.35	9.10a.	30.8	2.25p.	95	19.6	61.20	3.10p.	19	6.35a.	60	15.9
16	64.50	9.20a.	30.4	3.30p.	94	19.7	61.75	3.10p.	20.8	11.50p.	61	16.6
17	65.30	9.50a.	31.3	2.40p.	95	19	62.49	3.00p.	18	6.25a.	58	15.1
18	65.95	9.30a.	30.8	3.20p.	98	18.5	63.05	3.30p.	17.3	6.35a.	56	14.5
19	66	9.15a.	30.3	1.50p.	92	19.9	63.35	3.15p.	17.9	6.30a.	58	14.4
20	65.20	0.10a.	30.2	1.45p.	92.5	17.5	61.90	3.35p.	19	5.25a.	55	15.8
21	65.45	8.30a.	29.5	2.50p.	**91**	18.8	62.20	3.20p.	20	6.45a.	63	15.5
22	65.13	9.00a.	31	0.35p.	97	17.6	62.15	3.40p.	17.8	4.05a.	53	14.6
23	64.65	9.05a.	31	3.05p.	95	**15.1**	60.95	3.30p.	16.4	6.30a.	45	**13.1**
24	63.90	9.00a.	32	1.55p.	93	17.4	60.20	3.45p.	**16.3**	5.40a.	45	**13.1**
25	64.05	9.10a.	31	4.05p.	92	17.8	59.90	3.30p.	18.4	6.35a.	53	14.9
26	64.30	9.15a.	**32.7**	0.45p.	92	17.9	61.05	2.50p.	18.3	5.10a.	43	13.5
27	64.45	9.10a.	31.3	3.40p.	92	15.8	61.05	3.50p.	17.6	5.35a.	**42**	13.3
28	64.10	9.40a.	**28.3**	11.35a.	92	20.5	60.60	3.15p.	17.9	5.55a.	63	14.5
29	63.90	9.30a.	30.5	2.25p.	96	19	60.95	3.30p.	19.6	4.35a.	50	15.1
30	64	9.35a.	31.2	4.05p.	96	16.9	60.65	4.20p.	16.6	5.40a.	43	14
31	63	9.05a.	32.5	2.20p.	93	17.1	60	3.15p.	16.5	5.50a.	45	13.6
Mean	764.17	....	30.8	....	94.6	19.3	761.02	....	19.2	....	56.9	15.8

DAILY GENERAL REMARKS

1....⌓° early in the morning; d° in the afternoon.
2....⌒, ●° in the afternoon.
3....⌓° early in the morning; d° 2.50 p. m.
4....● in the morning; d in the afternoon.
5....⌓° early in the morning; d° 2.30 p. m.; d in the evening.
6....d° 6.10 a. m.
7....⌒ in the morning.
8....Overcast.
9....≡° in the morning.
10....Fine weather.
11....Do.
12....≡, convergence of Cirrus toward SSE in the morning.
13....⌓°, ≡° in the morning.
14....Cloudy weather.
15....Do.
16....Overcast in general.
17....Fair weather.
18....Partial coloration of clouds at sunrise.
19....Cloudy weather.
20....p° at noon.
21....Cloudy weather.
22....As yesterday.
23....⌓° early in the morning.
24....⌓ early in the morning.
25....Fine weather.
26....As yesterday.
27....Do.
28....⌓° early in the morning; ●° in the afternoon.
29....Gusty ESE winds in the forenoon and afternoon.
30....⌓°, ≡° in the morning.
31....⌓°, ≡° in the morning.

OBSERVATIONS FOR FEBRUARY, 1919

ATMOSPHERIC PRESSURE, 700^{mm}+

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	62.10	61.85	61.70	61.80	62.05	62.31	62.74	63.10	**63.33**	63.04	62.45	61.83
2	62.45	62.20	62.15	62.20	62.60	62.95	63.71	64.08	**64.26**	64.25	63.77	63.44
3	63.50	63.20	63.20	63.40	63.70	64.02	64.40	64.87	**65.06**	64.77	64.24	63.54
4	63.90	63.90	63.95	64.15	64.50	65.02	65.56	66.06	**66.29**	66.22	65.71	64.78
5	64.70	64.50	64.50	64.70	64.90	65.29	65.73	66.17	**66.63**	66.56	65.82	64.97
6	65.05	64.90	64.75	65.05	65.53	66.06	66.78	**67.42**	67.34	66.73	65.78	64.98
7	64.85	64.65	64.65	64.80	65.30	65.91	66.11	66.87	**66.91**	66.42	65.27	64.51
8	64.20	64.15	64	64.15	64.60	64.86	65.58	65.72	**65.94**	65.77	65.25	64.53
9	63.25	62.90	62.85	63.10	63.45	63.99	64.50	65.11	**65.52**	65.41	65.17	64.35
10	63.75	63.65	63.40	63.30	63.55	63.97	64.31	64.79	**65.09**	64.60	64.19	63.54
11	64	63.70	63.45	63.55	63.70	63.95	64.57	**65.05**	64.91	64.68	63.94	63.20
12	63.80	63.20	62.75	62.80	62.85	63.26	63.64	64.26	**64.45**	64.28	63.67	62.68
13	62.50	62.20	62	61.90	62.10	62.42	62.96	63.39	63.58	**63.59**	63.24	62.67
14	62.55	62.20	61.95	62.05	62.05	62.32	62.76	63.17	**63.65**	63.44	63.04	62.62
15	63.05	62.80	62.70	62.80	62.95	63.20	63.59	63.68	**63.96**	63.77	63.37	62.60
16	63.40	63.05	62.85	62.70	62.75	63.13	63.06	63.39	**63.54**	63.25	62.84	62.47
17	61.30	60.95	60.95	60.95	61	61.40	61.64	61.86	**62.12**	62	61.43	60.97
18	60.30	60	59.85	60.05	60.20	60.40	60.91	61.11	**61.50**	61.35	60.94	60.37
19	60.70	60.65	60.55	60.75	60.95	61.48	61.84	62.38	**62.62**	62.48	61.84	61.04
20	60.85	60.85	60.90	61.05	61.10	61.65	61.99	62.34	**62.47**	62.14	61.48	60.62
21	59.95	59.85	59.75	59.75	60.10	60.66	61.03	61.56	**62.07**	61.93	61.40	60.59
22	59.45	59.30	59.10	59	59.15	59.59	60.07	60.36	**60.61**	60.54	60.10	59.37
23	59.40	59.25	59.20	59.35	59.45	59.76	60.12	60.63	60.82	**60.85**	60.62	60.03
24	60.45	60.40	60.30	60.35	60.55	60.83	61.37	61.79	**61.92**	61.73	61.32	60.74
25	60.25	59.95	59.95	60.10	60.30	60.78	61.19	61.65	61.84	**61.89**	61.27	60.85
26	60.75	60.60	60.50	60.60	60.90	61.40	61.89	62.58	62.88	**62.93**	62.44	61.93
27	61.70	61.50	61.35	61.45	61.65	62.05	62.69	63.15	**63.50**	63.41	62.99	62.54
28	61.60	61.50	61.35	61.25	61.50	61.84	62.26	62.68	62.96	**63.07**	62.62	62.02
Mean	62.28	62.07	61.95	62.04	62.27	62.66	63.11	63.54	**63.78**	63.61	63.08	62.42

TEMPERATURE (°C.)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	20.1	19.7	19.3	19.2	18.9	**18.3**	18.6	22	26.2	27	28.2	29.4
2	20.3	20.1	19.8	19.2	**18.7**	19.1	18.9	22	25.2	27.5	28	27.4
3	20.6	20.1	19.3	18.6	18.2	**17.6**	18	23	26.9	29.7	27.8	28.8
4	19.8	18.8	18	17.7	17.6	**17.4**	17.5	21.7	26.8	27.4	27.2	27.9
5	**19.7**	20.6	21.6	21.9	21.7	22	22.8	24.2	25.4	25.3	26	26.4
6	21.8	21.6	21	**20.8**	21.1	21.3	**20.8**	23.5	27.2	29.6	30.6	30.6
7	21.1	**21**	21.5	21.5	21.5	22.1	21.7	23.2	25.9	29.1	30.6	**32**
8	21.8	22.7	22	21.8	**21.7**	22	22.2	24.8	26.2	26.9	26.6	**28**
9	22.9	22.7	21.4	20.7	20	**19.8**	20	24.2	27.8	28.3	27.7	28.5
10	21	19.9	19	18.6	18.3	**17.9**	18.5	22.7	26.2	29	30.7	27.3
11	20.2	20.3	20.5	19	18.8	**18.2**	18.6	21.4	25.9	28.9	29.7	27.6
12	19.9	19.4	18.9	18.8	**18.3**	18.8	19.7	23.6	26.5	26.9	27.2	28.6
13	23.7	23.8	23.3	23.3	23.1	22.6	**22.5**	25.7	27.6	28	28.2	29.7
14	23.9	23.7	23.2	22.6	22.2	**21.7**	22.3	25.7	26.9	29.6	30	30.3
15	21.3	20.5	20.7	19.2	19.2	**18.6**	19.3	24	27.3	28.4	29	29.4
16	22.6	22.2	21.3	**20.7**	21.5	**20.7**	20.9	23	26.6	28.5	29	28.9
17	23.7	23.8	23.6	23.1	22.9	22.4	**22.1**	25.4	27.5	28.3	28.3	28.8
18	23.6	22.4	22.1	22.2	22.1	**21.8**	22.1	24.5	26.5	27.5	27.4	27.8
19	22	21.9	21.7	21	**20.7**	21.2	21.5	24.8	26.9	26.6	28.2	28.2
20	22.3	22.9	22.5	22.2	21.6	**21.5**	21.8	24	26.3	27.2	29.8	31.1
21	22.8	22	21.5	21.2	20.8	**20.4**	20.8	25.2	28	28.1	28.9	29.9
22	22.3	21.8	22.1	21.3	21	**20.9**	21.3	24	26.5	28.1	29	29.3
23	24.2	23.1	22.3	21.8	21.4	**21**	21.2	25.3	28	29	29.5	30.1
24	24.4	24.3	24.2	23.2	22.3	**21.5**	21.9	26.2	27.8	28.2	29.1	29.4
25	24.4	23.4	22.5	21.8	21.4	**21**	21.3	25.2	27.9	27.2	28.4	27.4
26	23.2	21.7	20.9	20.4	20.2	**20**	20.6	24.2	27.2	27.7	27.7	28.7
27	21.3	20.8	20.3	20	19.8	**19**	19.7	23.6	27.3	27.3	27.7	29.1
28	20.6	20.3	20.2	20	19.2	**19**	19.5	23	27.1	27.3	27.7	29
Mean	22	21.6	21.2	20.8	20.5	**20.3**	20.6	23.9	26.8	28	28.5	28.9

ATMOSPHERIC PRESSURE, 700mm+

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
61.24	60.56	**60.36**	60.66	61.22	61.63	61.93	62.30	62.40	62.45	62.65	62.65	62.01
62.60	62.07	**61.68**	61.83	62.11	62.43	62.65	63	63.20	63.20	63.35	63.55	62.91
62.60	62.17	**62.09**	62.21	62.46	62.79	63.08	63.55	63.90	64.05	64.20	63.95	63.54
63.92	63.20	**63.11**	63.38	63.71	64.16	64.48	64.95	65.25	65.45	65.35	65.05	64.67
64.24	**63.43**	63.58	63.89	64.45	64.97	65.40	65.70	65.80	66	65.55	65.40	65.12
64.26	63.79	**63.68**	64.08	64.52	64.87	65.33	65.55	65.75	65.55	65.60	65.20	**65.36**
63.74	63.51	**63.14**	63.31	63.99	64.57	64.92	64.95	65.05	65	64.75	64.50	64.90
63.64	63.30	**62.92**	63.17	63.38	63.73	63.89	63.90	63.90	63.90	63.70	63.55	64.24
63.50	62.63	**61.98**	62.12	62.81	63.07	63.55	64.05	64	63.95	63.85	63.90	63.71
62.47	61.52	60.93	**60.92**	61.49	62.14	62.77	63.40	63.80	64.05	64.35	64.20	63.34
62.77	61.94	61.22	**61.21**	61.64	62.33	63.02	63.55	63.85	64.10	64.30	64.05	63.44
61.88	60.85	60.60	**60.56**	61.16	61.59	62.23	62.65	62.90	63	63.10	62.90	62.71
61.95	60.98	60.68	**60.57**	60.86	61.03	61.48	62	62.50	62.70	62.80	62.85	62.21
62.04	61.23	**60.92**	61.12	61.40	61.92	62.44	62.95	63	63.10	63.10	63.10	62.42
62.24	61.38	**61.17**	61.36	62.04	62.53	62.76	63.05	63.65	63.50	63.65	63.55	62.89
61.64	60.72	60	**59.69**	59.82	60.02	60.55	61.10	61.30	61.55	61.65	61.50	61.92
60.23	59.55	58.73	**58.59**	58.73	59.16	59.75	60.10	60.35	60.50	60.55	60.40	60.55
59.78	58.91	**58.59**	58.62	59.21	59.63	60.33	60.55	60.90	60.95	60.90	60.80	60.26
60.22	59.54	**59.13**	59.23	59.39	60.07	60.34	60.85	61.05	61.35	61.25	61.10	60.87
59.81	58.96	58.54	**58.48**	58.83	59.03	59.38	59.85	60.25	60.35	60.20	60.10	60.47
59.62	58.83	58.27	**58.16**	58.55	58.83	59.09	59.40	59.65	59.85	59.75	59.55	59.92
58.79	57.84	57.35	**57.18**	57.41	57.92	58.45	59.05	59.30	59.60	59.60	59.55	**59.11**
59.21	58.33	57.97	**57.82**	58.11	58.53	59	59.55	60.15	60.60	60.75	60.75	59.59
59.84	59.06	58.71	**58.58**	58.75	58.79	59.17	59.70	60.30	60.80	61	60.65	60.30
59.99	59.33	**59.09**	59.18	59.48	59.92	60.30	60.60	60.85	60.95	61.25	60.95	60.50
61.09	60.52	**60.06**	60.31	60.79	61.07	61.37	61.85	62.15	62.20	62.15	62.05	61.46
61.39	60.44	60.03	**59.92**	59.97	60.13	60.47	60.90	61.50	61.75	61.90	61.85	61.59
61.09	60.33	59.63	**59.29**	59.46	59.56	60.03	60.50	60.85	61.05	61.15	61.30	61.20
61.64	60.89	**60.51**	60.55	60.92	61.30	61.72	62.13	62.41	62.55	62.59	62.46	62.19

TEMPERATURE (°C.)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
32.4	32.2	31.9	31.5	29.5	27.1	25.4	23.9	23.5	22.8	22.1	20.8	24.6
28.7	28.9	30.3	**30.9**	28.8	27.2	25.2	23.5	23.3	22.2	21.6	20.7	24.1
29.4	30.6	**31.8**	31.6	30.4	27.1	24.7	23.2	22	21.7	21.3	20.9	24.3
29	29.7	29.3	29.4	**29.8**	26.6	24.2	22.6	22.4	21.4	20.4	19.8	**23.4**
25.9	26.3	26.9	**27.8**	26.5	25.8	24.6	23.5	23.2	22.9	22.4	21.9	24
31	**31.7**	29.7	29.5	28.6	26.3	24.9	23.9	23.5	22.7	22.5	22	25.3
30.3	29.5	30.7	29.4	28.2	26.4	25.3	24.4	24.2	24	23	23.4	25.4
27.4	24.7	26.9	25	25.5	25	24.3	23.5	23.7	23.8	23.7	23.7	24.3
28.2	31.6	31.4	**31.8**	29.6	27	24.7	23.9	23	22.9	22.4	22	25.1
28.1	**31.2**	31	31	29.5	26.9	25.6	24.2	22.7	21.8	20.8	19.9	24.2
29	30	**31.5**	30.5	29.1	26.9	24.9	24.2	23.5	21.9	20.8	20.7	24.3
27.5	29.3	29.4	**30.8**	29	26.5	25.5	24.7	24.4	24.2	24	23.8	24.4
27.6	29.2	29.2	**30.9**	29.4	28.4	26.9	26	25	24.5	24.5	24.4	26.1
31.7	**32.3**	31.9	30	30.4	27.5	25.9	24.8	24.6	23.7	22.8	22.2	26.2
30.2	**32.1**	31.5	30.7	28.7	27.4	26	25.3	24.6	23.6	22.9	23	25.1
30.1	30	30.8	**31.6**	30.8	28.5	27.1	26.7	26.2	25.3	24.7	24.7	25.9
29.6	30.1	**30.8**	30.5	30	27	26.5	25.8	25	24.4	24	23.8	26.1
28.1	**31.8**	31.7	30.7	29.1	27.1	25.7	24.8	24.2	24.1	24.1	22.6	25.6
30.8	**31.8**	31.3	31	29.6	27.3	25.8	24.8	24.1	23.8	23.2	22.7	25.5
31.9	31.5	31.5	**31.9**	30.7	28.3	26.9	25.7	24.8	24.1	23.9	23.3	26.2
30.6	32.2	**32.6**	31.5	29.2	26.9	26.4	26	25.6	24.3	23.7	23	25.9
30.8	31.7	**32.9**	32.8	31	29	27.7	27.1	26.3	25.8	25.5	24.9	26.4
31.4	32	**32.7**	**32.7**	31.6	29.1	27.9	27.5	27	26.9	26.3	25	**27**
30.3	30.7	**31**	30.9	30.1	27.7	26.8	26.1	25.9	25.6	25.4	25	26.6
27.9	**29.2**	28.6	28.5	27.8	26.9	25.3	24.4	23.8	23.4	23.1	23.1	25.2
29.7	29.3	**30.1**	30	28.4	25.8	24.7	24.2	23.7	23.5	23.2	22.5	24.9
29.9	**31.4**	31	31	29.1	27.5	25.6	24.5	23.3	22.5	21.4	21.3	24.8
29.6	30.2	**32**	31.6	30.3	27.6	25.9	24.7	23.5	23	22.7	21.6	24.8
29.5	30.4	**30.7**	30.6	29.3	27.2	25.7	24.8	24.2	23.6	23.1	22.6	25.2

RELATIVE HUMIDITY (%)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	91	91	92	92	93	95	**96**	82	67	69	63	62
2	91	91	92	**97**	95	95	95	83	70	62	59	63.5
3	87	89	89	91	90	**92**	91	74	63	56	65	60
4	90	93	**95**	**95**	93	93	94	77	59	61	60	57
5	**88**	87	86	85	87	**88**	85	79	71	72	67	70
6	87	87	90	91	91	89	**91.5**	80	61	50	**46**	47
7	91	**92**	88	90	90	88	91	83	68	57	46	**42**
8	92	87	91	92	**94**	91	89	79	73	**70**	77	**70**
9	82	81	85	89	**92**	91	91	73	61	63.5	64.5	61
10	84	90	91	90	92	**93**	90	72	62.5	52	46	68
11	86	85	85	88	89	**94**	91	78	62	50	48	56
12	86	86	88	86	**90**	88	84	70	64	60	61	57
13	85	82	86	86	87	**89**	**89**	75	69	68	69	63
14	83	85	88	89	91	**94**	90	78	70	59	57	55
15	86	88	79	**91**	90	**91**	90	73	59	55	57	56
16	85	86	90	91	88	91	**92**	83	66	62	62	65
17	81	80	80.5	84	85	**86**	**86**	71	64	63.5	63	64
18	80	86	**88**	87	87	**88**	**88**	79	72	70	73	70
19	89	88	87	92	**92.5**	89	89	75	69	71	68	68
20	**88**	86	84	85	87	87	87	80	76	71	60	55
21	84	88	89	89	90	91	91	75	64	65	62	58
22	**94**	92	90	**94**	93	92	91	79	75	68	67.5	67
23	82	88	88	91	92	92	**94**	77	66	63	61	59
24	80	79	80	84	87	**91**	**91**	78	70.5	70	69	65
25	79	86	89	90	89	90	**91**	76.5	67.5	70	67	71
26	77	83	86	**89**	**89**	**89**	**89**	77	62	61	61	57
27	81	82.5	84	86	86	**90**	89	74	61	60	58	56
28	84	86	86	88	**90**	**90**	**99**	75	58	59	60	53
Mean	85.5	86.6	87.4	89.4	90	**90.6**	90.2	77	66.1	62.8	61.3	60.6

VAPOR PRESSURE (mm)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	15.8	15.6	15.4	15.3	15.1	**14.9**	15.3	16.2	17.1	18.2	18.1	**18.9**
2	16	15.8	15.9	16.1	**15.3**	15.6	15.4	16.3	16.8	17	16.5	**17.2**
3	15.7	15.5	14.9	14.5	14	**13.8**	14	15.6	16.6	17.5	**18.1**	**17.7**
4	15.5	15	14.6	14.3	13.9	**13.7**	14	14.9	15.4	16.5	16.1	16
5	**15**	15.7	16.4	16.6	16.7	17.4	17.6	17.8	17.2	17.3	16.8	17.8
6	16.8	16.8	16.6	16.6	16.9	16.8	16.7	**17.1**	16.3	15.3	**15.1**	**15.5**
7	16.9	16.9	16.8	17.2	17.2	17.5	17.5	17.5	16.9	16.9	15.1	15
8	17.8	17.8	17.9	17.8	18.1	17.9	17.8	18.3	18.3	18.5	19.8	19.7
9	17	16.6	16.2	16.1	16.1	15.7	15.7	16.4	17	**18.2**	17.8	17.7
10	15.6	15.5	14.9	14.4	14.4	14.2	14.3	14.7	15.8	15.5	15.2	**18.4**
11	15.1	15.1	15.3	14.4	14.4	14.6	14.5	14.9	15.5	14.9	14.9	15.5
12	14.8	14.3	14.3	**13.9**	14.1	14.3	14.3	15.2	16.5	15.7	16.5	16.7
13	18.6	**18**	18.3	18.3	18.3	**18**	18.1	18.3	19	19.1	19.6	19.5
14	18.3	18.6	18.6	18	18.1	18.1	18.1	**19.2**	18.5	18.1	18.1	17.7
15	16.3	15.8	**14.3**	15.1	14.9	14.5	15	16.1	15.8	15.9	16.8	**17.1**
16	17.3	17.1	16.9	**16.6**	16.8	**16.6**	16.8	17.3	17	17.9	18.5	19.3
17	17.7	17.5	17.4	17.6	17.7	17.3	**17**	17.2	17.5	18.2	18	18.8
18	17.3	17.3	17.5	17.2	17.1	17.1	17.3	18.1	18.5	19.3	**19.7**	19.5
19	17.5	17.3	16.9	16.9	16.8	**16.7**	17	17.4	18.1	18.3	19.2	**19.4**
20	17.7	17.8	17.1	16.9	16.8	**16.6**	16.8	17.7	19.2	19.1	18.6	18.6
21	17.4	17.2	17	16.7	16.4	**16.3**	16.6	17.9	18	18.3	18.4	18.2
22	18.8	17.8	17.8	17.6	17.1	**16.8**	17.1	17.5	19.3	19	20	**20.3**
23	18.5	18.4	17.7	17.7	17.4	**16.9**	17.5	18.5	18.6	18.7	18.8	18.8
24	18.2	17.9	17.9	17.9	17.5	17.3	17.8	19.7	19.6	20	**20.6**	19.8
25	18	18.4	17.9	17.5	16.9	16.6	17.1	18.2	18.8	18.7	19.2	**19.3**
26	16.3	16	15.9	15.8	15.6	15.4	16	17.2	16.6	16.9	16.9	16.6
27	15.3	15.1	14.9	14.9	**14.7**	14.8	15.1	16	16.4	16.2	16.2	**16.8**
28	15.2	15.2	15.1	15.3	14.9	**14.8**	15.2	15.7	15.5	16	16.5	15.9
Mean	16.8	16.6	16.4	16.3	16.2	**16.1**	16.3	17	17.4	17.5	17.7	17.9

RELATIVE HUMIDITY (%)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
47.5	49	**45.5**	47	51	61	70	76	77	82	83	90	73.8
61	63	55	**48**	55	61	68	76	75	82	85	86	75.4
57.5	53	**45**	**45**	47	58	68	74	79	81	84	86	71.9
55	54	51	54	**50**	56	64	71	72	78	81	87	72.5
69	71	66	**59**	64	64	72	77	81	80	83	87	76.6
47	47	53	51	54	66	72.5	77	77	82	83	86	71.1
46	53	47	54	56	63	70	75	78	79	86	83	71.5
76	87	77	90	77	83	85	88	83	81	78	76.5	**82.8**
61.5	46	50	**43**	47	55	69	74	79	76	77	79	70.4
61	46	46	**43**	46	56	59	65	72	78	82.5	87	69.7
55	53	**47**	**47**	**47**	54.5	64	59	62	73	80	82	**68.1**
64	59	62	**52**	60	69	74.5	77	79	78	81	84	73.3
73	63	64	**59**	62	63	72	73	79.5	79	79	81	74.8
49.5	48	49	51	**47.5**	60	67	72	73	78	80	83	70.7
56	**50**	53	57	61	67	75	77	77	82	84	83.5	72.4
64	65	60	**53**	56	60	67	67	69.5	74	77	75	72.9
59	57	**54**	56	62	73	71	75	78	81	82	78	72.2
67	**52**	**52**	54	58	64	69	74	76	78	78	86	74
58	54	**51.5**	55	58	64	71	75	79	81	85	87	74.8
53	56	59	**48.5**	56	63.5	67	72	78	80	81	84	72.7
57	**46**	**46**	50.5	68	79	80	82	84	88	92	**93**	75.5
61	58	49.5	**46**	53	61	69	68	73	75	77	79	73.8
57	52	**50.5**	54	53	64	69	69	70	72	75	80	71.6
61	60	60	**55**	57	65	66	69	74	72	75	76	72.3
68	62	59	**58**	59	65	68	71	73	76	79	78	74.2
56	59	**53**	**53**	**53**	61	66	68	70	72	72	77.5	70
53	**46**	48	48	52	58	65	68	74	78	84	82	69.3
53	54	49	52	**47**	58	64	68	73	74	76	81	69.5
58.8	55.8	53.6	**53**	55.6	63.3	69.4	72.8	75.5	78.2	80.7	82.8	72.8

VAPOR PRESSURE (^{mm})

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
17.2	17.7	15.9	16	15.6	16.2	16.9	16.7	16.6	16.9	16.5	16.4	16.4
17.9	**18.8**	17.7	16	16.2	16.5	16.3	16.4	16.1	16.4	16.2	15.6	16.4
17.5	17.3	15.6	15.6	15.2	15.5	15.9	15.6	15.5	15.7	15.9	15.9	15.8
16.4	**16.8**	15.5	16.4	15.6	14.5	14.5	14.5	14.4	14.7	14.5	14.9	15.1
17.1	**18.1**	17.4	16.5	16.5	15.9	16.6	16.6	17.1	16.6	16.8	16.9	16.8
15.7	16.3	16.4	15.8	15.6	16.8	17.	16.9	16.6	16.8	16.9	16.9	16.4
14.9	16.1	15.6	16.6	16	16.2	16.7	17.1	17.6	17.5	**18**	17.7	16.7
20.6	20	20.4	**21.2**	18.6	19.4	19.1	18.9	18.1	17.8	17	**16.7**	18.6
17.5	16	17.2	15.1	**14.6**	**14.6**	16	16.4	16.4	15.8	15.4	15.5	16.3
17.2	15.5	15.2	14.5	**14**	14.9	14.5	14.6	14.7	15.1	15.1	15	15.1
16.4	**16.6**	16	15.2	14.2	14.3	14.9	**13.2**	13.3	14.3	14.6	14.8	**14.9**
17.4	17.9	**18.9**	17.2	17.9	17.8	18	17.8	18	17.6	18.1	18.4	16.5
20	19	19.1	19.7	18.9	18.1	19	18.3	18.7	18.1	18.1	18.3	**18.7**
17.2	17.5	17.3	16.2	**15.4**	16.4	16.5	16.9	16.8	17	16.5	16.6	17.5
18	17.7	18.1	18.6	17.9	18.2	**18.7**	18.4	17.7	17.8	17.5	17.4	16.8
20.4	**20.6**	19.7	18.3	18.5	17.5	17.8	17.5	17.6	17.8	17.8	17.3	17.9
18.3	18	18	18.2	**19.7**	19.3	18.4	18.6	18.3	18.3	18.2	17.1	18
18.9	18.2	18.2	17.7	17.3	**17**	**17**	17.2	**17**	17.3	17.3	17.5	17.8
19.2	18.7	17.5	18.3	17.7	17.3	17.5	17.6	17.7	17.8	18	17.8	17.8
18.5	19.3	**20.1**	17.1	18.4	18.2	17.5	17.7	18.1	17.8	17.8	17.8	18
18.5	16.5	16.7	17.3	20.5	**20.8**	20.5	20.6	20.4	19.9	20.1	19.4	18.3
20.1	20.2	18.4	16.9	17.9	18.1	19.1	18.2	18.5	18.6	18.6	18.6	18.4
19.6	18.4	18.5	**20**	18.3	19.2	19.2	18.9	18.6	19	19	18.9	18.5
19.5	19.6	20	18.3	18	18	**17.2**	17.5	18.4	17.6	18.1	17.8	18.5
19	18.6	17.1	16.8	16.5	17	16.4	16.2	**16.1**	16.3	16.5	16.3	17.5
17.5	**17.9**	16.7	16.7	15.2	**15**	15.2	15.2	15.3	15.4	15.3	15.7	16.1
16.6	15.7	16	16	15.7	15.9	15.8	15.7	15.7	15.9	15.9	15.4	15.7
16.2	17.2	17.2	**18**	15.1	15.9	15.8	15.7	15.8	15.4	15.6	15.6	15.8
18	17.9	17.5	17.2	16.8	16.9	17.1	17	17	17	17	16.9	17

CLOUDS—FORM AND DIRECTION

Day.	8 a.		9 a.		10 a.		11 a.		Noon.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	....	Cu.	....	Cu.	....	Cu.	....	Cu. ESE	....	Cu. ESE
2	A.-Cu. ESE	Cu.	A.-Cu. ESE	Cu.	A.-Cu. ESE	Cu.	....	Cu. E	....	Cu. E
3	....	....	....	Cu.	....	Fr.-Cu.	....	Cu.	....	Cu.
4	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
5	....	S.-Cu. E	....	S.-Cu. E	....	N.-cf.	....	S.-Cu. E	....	S.-Cu.
6	....	Cu.	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
7	....	S.-Cu. E	A.-Cu. ENE	Cu.	....	Cu. E	....	Cu.	....	Cu.
8	....	Cu. E	Ci.-S.	Cu.	....	S.-Cu. E	....	S.-Cu. E	....	S.-Cu.
9	....	Cu.	....	Cu.	Ci.	Cu.	....	Cu. E	....	Cu.
10	....	Cu.	....	Cu.	....	Cu.	....	Fr.-Cu.	....	Cu.
11	....	Cu.	....	Cu.	Ci.	Cu.	....	Cu.	....	Cu.
12	....	Cu.	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E
13	Ci.-S.	Cu.	Ci.	Cu. E	....	S.-Cu. E	....	Cu. E	....	S.-Cu. E
14	....	Cu.	....	Cu. E	A.-Cu.	Cu. E	....	Cu. E	....	Cu. E
15	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E	....	Cu. E
16	A.-Cu.	Cu.	A.-Cu.	Cu.	Ci.	Cu.	....	Cu.	....	Cu.
17	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
18	....	Cu.	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
19	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
20	....	S.-Cu. E	....	S.-Cu.	....	Cu. E	....	Cu. E	....	Cu. ESE
21	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
22	A.-Cu.	Cu.	....	Cu.	....	Cu.	....	Cu. E	A.-Cu.	Cu.
23	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
24	....	Cu.	....	Cu.	....	Fr.-Cu.	....	Cu.	....	Cu.
25	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E	....	Cu. E
26	....	Cu.	Ci.	Cu.	....	Cu. E	....	Cu. E	Ci.	Cu.
27	....	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E	Ci.	Cu. E
28	Ci.-S.	Cu.	Ci. NE	Cu.	Ci.-S.	Cu.	Ci.	Cu.	....	Cu.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	....	Cu. ESE	....	Fr.-Cu.	....	Fr.-Cu.	....	Cu.	....	Cu.
2	....	Cu. ESE	....	Cu. ESE	....	Cu. ESE	....	Cu. ESE	....	Cu. ESE
3	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E	....	Cu.
4	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
5	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E	Ci.	Cu.
6	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
7	....	S.-Cu. E	Ci.	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
8	A.-Cu.	Cu. E	....	Cu.-N. E	A.-Cu.	Cu. E	....	Cu.-N. E	Ci.-S.	Cu. E
9	....	Cu. E	....	Cu. E	....	Cu.	....	Cu.	....	Cu.
10	....	Cu.	....	Cu. ENE	....	Cu. ENE	....	Cu. ENE	....	Cu.
11	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
12	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu.
13	....	S.-Cu. E	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu.
14	....	Cu. E	....	Cu. E	....	Cu. ENE	....	Cu. ENE	....	Cu.
15	....	Cu. E	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E
16	....	Cu.	....	Cu.	....	Cu.	Ci.	Cu.	....	Cu.
17	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
18	....	Cu. EbyN	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
19	....	Cu. E	....	Cu. E	A.-Cu.	Cu. E	....	Cu. E	....	Cu.
20	....	Cu. E	A.-Cu.	Cu. ESE	A.-Cu.	Cu. ESE	....	Cu.	....	Cu.
21	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
22	....	Cu.	....	Cu.	....	Cu.	....	Cu.	Ci.	Cu.
23	....	Cu.	....	Cu. E	....	Cu. E	....	Cu.	....	Cu.
24	A.-Cu.	Cu.	....	Cu. NE	....	Cu. NE	....	Cu. NE	....	Cu.
25	....	Cu. E	....	Cu. E	....	S.-Cu. E	....	Cu. E	....	S.-Cu. E
26	Ci.	Cu. E	Ci.	Cu. EbyS	Ci.	Cu. E	Ci.	Cu. ESE	Ci.	S.-Cu.
27	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu. E	A.-Cu. ENE	Cu. E
28	Ci.	Cu. E	Ci.	Cu.	....	Cu.	Ci	Cu.	Ci.	Cu.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	N 1.5	NE 1	NE 1.5	NE 1	Calm	Calm	E 0.5	Calm	WSW 0.5	WNW 1.5	W 1.5	SW 2
2	Calm	Calm	NE .5	Calm	NNE 1.5	NE 0.5	NE 1	N 0.5	NE .5	W 1.5	W 1.5	W 1.5
3	Calm	Calm	E .5	NE 1.5	E 1.5	E .5	ENE 1	Calm	SE .5	SE 3.5	WNW 4.5	WNW 4.5
4	SE 1.5	NE 1.5	NE 1	NE 1.5	NE 1.5	NE 1.5	ENE 1	NE .5	E 1	NE 3	W 1.5	W 5
5	ESE .5	Calm	Calm	ENE 1	Calm	SE .5	Calm	ESE 1	SW 1	Calm	WSW 1	SW 1.5
6	NNE 1	ENE .5	Calm	Calm	NNW .5	Calm	Calm	Calm	Calm	ENE 7.5	E 7	E 10
7	NE 1	NE 1	E 1	E 1	Calm	ESE 1	ENE .5	ENE 1	N 1	E 1	E 3.5	E 4.5
8	NE 1	Calm	Calm	NE .5	Calm	NNE .5	ENE .5	Calm	W 1	W 1	SW 1	WSW 3
9	ESE 2.5	ESE 2.5	NE 2.5	NE 1.5	NE 1.5	NE .5	Calm	Calm	Calm	NW 1.5	W 2	WSW 2.5
10	ESE 1.5	E 1	NE 1.5	NE 1.5	NE 1.5	NE 1	NE 1	NE .5	NW 1.5	ENE 1.5	E 1	WbyS 2
11	NW 1	NW 1.5	NE 1.5	E 1.5	Calm.	Calm	NNE .5	NE 1	E 1	SE 1	SE 1	WNW 6.5
12	Calm	E 1.5	ENE 1.5	E 1	ENE 1	NE 1.5	NNE 1.5	N .5	NW .5	W 2.5	NW 1.5	W 3.5
13	SE 1	Calm	N .5	Calm	N .5	Calm	ENE .5	Calm	NE .5	W 3.5	W 4.5	W 4
14	N 1	N .5	NNE 1	NNE 1	NE 1	NE 1	NNE 1	NE 1	NE 1	E 1	NE .5	SW 5.5
15	E 1	E 1.5	ENE 1.5	ENE 1.5	ENE 1.5	NE .5	NE .5	NNE .5	NNW 1	NNW 1	W 3	W 2.5
16	NNE 1.5	NNE .5	NE .5	NNE .5	N .5	NNE .5	NE .5	Calm	NNE 1	NW 2.5	W 5	WSW 4.5
17	N 1.5	NNW 3.5	N 3.5	NNE 2	NE 1.5	NE .5	NE 1.5	E .5	WSW 1	W 1.5	W 4	W 3
18	NNE 1.5	Calm	N 1.5	N 1.5	N 2	N 1	NNE 1	NE .5	Calm	SW 1	NW 1	WNW 2.5
19	ENE 1	N 1.5	NNE 1	ENE 1	NE 1.5	NE .5	NE .5	ENE .5	SSW .5	W 1	W 4	W 3.5
20	E 1	Calm	NNE 1.5	NNE 1.5	N 1	N .5	ENE .5	NE .5	ENE .5	WSW .5	SE 2	ESE 2.5
21	Calm	ENE 1	ENE 1	NE 1	NE 1	NE .5	NE .5	NNE .5	N .5	WSW 3	WSW 4	W 3
22	Clam 1	NE 1	Calm	Calm	ENE 1	Calm	ENE 1.5	NE .5	W 1	WSW 2	W 4	W 4.5
23	E	ENE 1	ENE .5	ENE 1	E 1	ENE .5	NE .5	NE .5	SW 1.5	W 2.5	WNW 2	W 3.5
24	ENE .5	Calm	Calm	NE .5	NE .5	Calm	Calm	W .5	SW 1	WSW 3	WNW 2.5	WNW 4
25	NNE 1.5	NE 1	NE .5	Calm	NE 1	NE .5	NE .5	NE .5	SW .5	W 2	WSW 4	WSW 2.5
26	ENE .5	Calm	Calm	Calm	Calm	Calm	N .5	Calm	WSW .5	WSW 1	W 3.5	WSW 4
27	Calm	NNE 1	NE .5	NNE 1.5	NNE 1	NNE .5	N 1.5	N .5	NNW 1	WSW 2.5	W 2	W 2.5
28	Calm	Calm	N 1.5	NE 1.5	NE 1	NE .5	NE .5	Calm	SW .5	WSW 1	W 5	W 2
Mean	0.9	0.8	0.9	0.9	0.9	0.5	0.7	0.4	0.7	1.9	2.8	3.6

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Mid-night.	Mean.
1	SE 2.5	ESE 6	ESE 6	ESE 7	ESE 1.5	ESE 2	ESE 1.5	ESE 1.5	SE 2	ESE 2	ESE 1.5	Calm	1.9
2	WNW 1	WNW .5	SEbyS 4	SEbyS 5.5	SE 2	SE 1	SE 2	ESE 1.5	ESE 2.5	ESE 1.5	SE 2	N 1.5	1.4
3	WNW 2	WNW 4.5	SE 7	ESE 2.5	E 2	E 2	E 1.5	E 1.5	SSE 2	SSE 2	SSE 2	SE 1.5	2
4	WbyN 5.5	SWbyW 5	WSW 3	W 1	Calm	ENE 1	ESE 1	ESE 1.5	ESE 2	ESE 2	E 1	Calm	1.8
5	SW 2	Calm	NNW .5	SE 1	NE .5	E 2	NE .5	Calm	Calm	N .5	NE .5	Calm	.6
6	ENE 8.5	ENE 7	ENE 2.5	ENE 5.5	ENE 4	ENE 1	NE .5	Calm	NNE 1	Calm	NNE 1	Calm	2.4
7	ESE 2.5	ESE 4	ESE 6	ESE 7	E 6.5	E 1	E 2.5	E 1.5	Calm	Calm	Calm	Calm	2
8	W .5	NW 2.5	NNW 1.5	ENE 2	ENE 1	NNE 1	NE .5	ENE 1	ESE 2	ESE 2	ESE 3.5	ESE 3	1.2
9	WSW 3	ESE 6.5	ESE 4.5	E 2.5	ESE 3	E 3	ESE 2	ESE 2.5	ESE 2.5	ESE 3.5	ESE 2.5	ESE 2	2.3
10	WNW 3	SE 5	ESE 7	SE 6.5	ESE 3.5	ESE 1.5	E 3	E 2.5	SSE 2	SE 1.5	ESE .5	Calm	2.1
11	WNW 3	WNW 1	SEbyS 6	SEbyE 6	SEbyE 6.5	SEbyE 2	SE 2	ESE 2.5	ESE 3.5	E 1	Calm	SW .5	2.1
12	W 2	NNE .5	NW 3	ESE 4.5	SE 3	SE 5.5	ESE 4	ESE 2.5	ENE 1.5	SE 1	SE 2	SE 1	2
13	WNW 3	WNW 4	WNW 4	WNW 2	WSW 1.5	E .5	ESE 1	SE 2.5	ESE 1	ESE 1	E 1	NNE 1.5	1.6
14	ESE 2.5	SE 6	SE 4	ENE 1	ESE 2.5	ESE 1.5	ESE 2	ESE 2.5	ESE 2.5	ESE 1.5	ESE 1.5	E 1	1.8
15	W 1.5	SE 6.5	ESE 7	ESE 6	SE 2.5	ESE 2.5	SE 2	ESE 1.5	ESE 1	Calm	Calm	N 1	2
16	SSW 3	SW 3.5	SSW 3	SSW 2	SSE 1	SE 1.5	SE 1.5	SSE 2	SE 2	ESE 1	ENE 1.5	NNW 3.5	1.8
17	WSW 4.5	WNW 3.5	WNW 3	W 3	SW 1.5	SW 2	SSW 4	S 1.5	SE 2.5	E 1	NE 1.5	NE 2	2.2
18	WNW 3	SE 2.5	SE 3	SE 4	SE 6	ESE 1.5	ESE 2	ESE 2.5	E 1	ESE 1	ESE .5	Calm	1.7
19	NE 3.5	E 4.5	SE 5	SE 3	SE 2	ESE 3	ESE 2	SE 2	SE 2	SE 1	Calm	Calm	1.9
20	SE 1.5	WSW 1.5	WNW 1.5	SE .5	EbyS 4.5	ESE 3	ESE 2	ESE 2.5	ESE 1.5	SE 1.5	SE 1.5	ESE 1.5	1.5
21	W 4	WSW 3.5	WSW 2.5	W 2.5	WSW 3	SW 3	WSW 2	WSW 2.5	Calm	Calm	S 1.5	Calm	1.7
22	W 3	WSW 2.5	SEbyS 2.5	SEbyS 3.5	SE 6.5	SE 2.5	SE 3.5	SE 3.5	SE 3.5	SE 2.5	SE 2.5	SE 1.5	2.2
23	W 3	W 3	W 1	WSW 1.5	SE 5	SE 4	SE 3.5	SE 3.5	SE 3.5	ESE 2	ESE 1	Calm	1.9
24	W 4.5	WSW 2	WSW .5	SE 2	SE 2	SE 3.5	SE 2.5	SE 1.5	ENE .5	NNE .5	NNE 1.5	NNE 1.5	1.5
25	NW .5	WNW 3.5	NE 2	NE 2.5	E 3.5	ENE 1.5	E 2	ESE 1.5	ESE 1.5	ENE 1	Calm	ESE 1	1.5
26	W 3.5	WSW 2	N 1	NE 4.5	E 2	E 2.5	E 2.5	ESE 2.5	ESE 2	ESE 2.5	ESE 1.5	E 1	1.6
27	W .5	SE 3	ESE 4	ESE 4.5	SE 2.5	ESE 1	ESE 1	ESE 1.5	SE 1.5	SE 1.5	Calm	SE 1.5	1.5
28	NW 4	WNW 2	W 1.5	SW 1.5	SE 4.5	SE 1.5	SE 2.5	ESE 2	ESE 1.5	SE 1.5	SE 2	Calm	1.6
Mean	2.9	3.4	3.4	3.4	3	2.1	2	1.9	1.7	1.3	1.2	0.9	1.8

WIND—VELOCITY IN KILOMETERS PER HOUR

Day.	Mdt. 1 a.	1–2 a.	2–3 a.	3–4 a.	4–5 a.	5–6 a.	6–7 a.	7–8 a.	8–9 a.	9–10 a.	10–11 a.	11–Noon.
1	5	4	6	5	2	0.5	1	1.5	1.5	4.5	12	11
2	1.5	2.5	3	2	3	3.5	3.5	4.5	4	8	6	12.5
3	4	2.5	1.5	2.5	4	3	2	2	2.5	5.5	13	17
4	5.5	3.5	4.5	5.5	6.5	4.5	4	3.5	2.5	5	11.5	15.5
5	.5	3	1	1.5	3.5	4	1	2	4	4	7	6
6	2	3	0	0	1	1	.5	0	1.5	8	22	21
7	1	0	1	3	.5	.5	3	2.5	2.5	5	9.5	23.5
8	.5	1.5	0	1	1.5	1.5	1.5	1.5	3	5	8	5
9	12	8	9	8	4	4	4.5	.5	0	3	16	17
10	7	4.5	5	6	4	5.5	4.5	6	6	4	13	16
11	5	6	6	4.5	3.5	1.5	1.5	4	5	7	8	17
12	1.5	2.5	4.5	4	4	4	5	2	1.5	7.5	11.5	11
13	3.5	4	1	2	0	.5	.5	1.5	1	2.5	15.5	15
14	6	4	3.5	4	4	3.5	4	3	4	7	4	4
15	3	5	7	5	7	6	6	5	7	9	13	15
16	4	4	2	2	5	4	4	1	1.5	12.5	16	17
17	5.5	10.5	12	7.5	6.5	5	5	4.5	7	8.5	14	16.5
18	5.5	3	2.5	5	6	5	7	4	1	5	5	10
19	1.5	2	5	3.5	5.5	5	3.5	1.5	.5	9.5	12	12
20	1	4	4	4	5	4.5	3	1	4.5	3	11	10
21	3.5	3	3	3	2.5	2.5	3.5	5.5	3.5	7.5	13	14
22	3.5	4.5	2.5	0	2	4	.5	1	4.5	5	13	14
23	6	5	5	2	3.5	2.5	3	2	2	9	15	16
24	4	3	1	1	3	.5	2	2.5	4.5	11.5	13	18
25	4.5	3	2	0	0	1.5	1.5	1	0	9	14	13
26	2	2.5	1	1	.5	.5	2.5	1	2	6	8	10.5
27	1.5	2.5	2	2.5	3	3.5	4.5	5.5	3	7	14	16
28	4.5	1	4.5	4.5	4.5	3.5	3	4.5	2.5	9	16	16.5
Mean	3.8	3.6	3.6	3.2	3.4	3.1	3.1	2.7	2.9	6.7	11.9	13.9

AMOUNT OF CLOUDS (0–10)

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.	
														h.	m.
1	2	0	0	0	2	2	2	1	1	1	1	2	1.2	9	50
2	0	7	8	6	6	9	8	8	5	3	2	4	5.5	5	30
3	1	0	0	1	2	2	2	1	2	2	0	0	1.1	9	50
4	0	0	0	1	1	1	1	1	0	1	0	0	.5	9	55
5	8	9	9	10	9	9	10	8	8	8	6	10	8.7	2	05
6	5	3	2	3	8	4	4	5	9	5	4	5	4.8	8	35
7	4	9	8	4	3	4	8	7	6	4	3	8	5.7	5	20
8	8	5	8	9	9	9	9	10	10	10	10	10	8.9	1	55
9	3	1	1	2	4	2	5	2	1	1	0	0	1.8	9	55
10	0	0	0	0	1	2	3	2	3	2	2	1	1.3	10	20
11	3	4	1	1	1	1	2	2	2	2	1	0	1.7	9	15
12	0	0	1	1	7	8	9	7	5	2	2	4	3.8	8	15
13	5	5	5	8	4	7	8	6	7	5	5	1	5.5	7	20
14	2	2	8	8	8	7	7	5	5	4	2	1	4.9	7	05
15	1	1	1	2	2	4	5	3	3	3	5	5	2.9	9	15
16	1	3	4	2	2	2	2	2	2	3	2	3	2.3	9	00
17	3	0	1	1	1	1	2	2	2	2	1	0	1.3	10	25
18	5	3	5	6	7	8	7	4	4	4	3	2	4.8	7	45
19	2	4	3	7	7	7	7	7	6	3	2	1	4.7	9	25
20	7	8	4	7	7	6	6	5	4	2	1	1	4.8	6	55
21	0	3	3	3	3	3	2	1	1	1	1	1	1.8	10	10
22	7	3	1	3	2	2	2	2	2	1	3	3	2.6	9	15
23	3	0	0	1	1	0	1	2	2	1	1	2	1.2	10	30
24	3	0	0	1	1	3	4	3	2	4	2	1	2	10	25
25	1	1	1	8	7	8	8	9	10	10	10	7	6.7	4	35
26	1	0	1	4	5	5	8	7	6	6	4	3	4.2	5	55
27	1	0	3	2	5	5	7	7	5	7	8	5	4.6	8	30
28	3	8	8	5	4	2	4	3	3	2	1	2	3.8	9	15
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	226	30
Mean	2.8	2.8	3.1	3.8	4.2	4.4	5.1	4.4	4.1	3.5	2.9	2.9	3.7	8	05

WIND—VELOCITY IN KILOMETERS PER HOUR

Noon-1 p.	1-2 p.	2-3 p.	3-4 p.	4-5 p.	5-6 p.	6-7 p.	7-8 p.	8-9 p.	9-10 p.	10-11 p.	11-mdt.	Mean.
13	16	**23**	**23**	17	10	8	6	7	10	6	1.5	8.1
10	8.5	7	14.5	**15.5**	12.5	8.5	6	7	8	6	4.5	6.8
15.5	14.5	15	15.5	13.5	10.5	6	6	6.5	5.5	7.5	7	7.6
18	15	13	10	6	9	6	4.5	5.5	7	3	.5	7.1
8	6	6.5	4.5	**14**	10	5	1	1	1	1	1	4
27	22	20	21.5	20.5	10	5.5	2.5	3	2	2	1	8.2
16	22	20	15	23	21.5	10.5	7	3.5	1	.5	2	8.1
6	9	7	7	10	8	1.5	.5	2	7	10	**11**	4.5
12	11	19	19	**20**	**20**	8	8.5	9	9.5	11	8.5	**10.1**
14	11.5	22.5	**23**	19	12	12	9	9	8	4.5	3.5	9.6
18	13	16	**19**	16	14	8.5	9	8.5	6.5	2	2	8.4
13	8.5	8	9	**17.5**	14.5	13	6.5	6.5	6	5	4	7.1
13	14	14	11	7	3	5	6	5	4	3	3	5.6
16	19	**23**	17	13	11	9	9	11	8	4.5	4.5	8.2
11.5	17.5	**26**	21	19	12	7.5	6	6	2.5	0	3	9.2
15.5	14.5	11.5	8.5	8	12	7	7	10.5	5.5	3.5	11.5	7.8
14.5	14	13	13	8	13	11.5	11.5	5	5	4	6	9.2
11	11	18	17	**20**	16	10	10	7	5	4	1.5	7.9
10	16	**17**	16	**17**	14	9	8	6	5	3.5	2.5	7.7
10	9	8	6	10.5	**12.5**	7.5	6	5	4.5	6	5.5	6.1
13	11	11	12	**15**	**15**	14	11.5	5.5	3	3	3.5	7.6
14	12	11	15	17	**18.5**	15	11.5	13	11	11	9	8.9
13.5	11.5	10.5	9.5	10	**16.5**	12.5	14	12	11	7	3	8.4
17.5	14.5	10	13	17.5	17	12.5	9	5	1.5	5.5	6.5	8.1
8.5	5.5	10	**16**	11.5	10.5	5.5	6.5	6.5	6	2	1.5	5.8
14.5	16	7	14	**17**	16	15	10	8	9	7	4	7.8
10.5	11	19.5	**20**	19.5	14	9.5	8	7.5	5	4.5	5	8.8
16	16	12.5	9	11	11	10.5	9	6	6.5	7	3.5	8
13.6	13.2	14.2	14.2	**14.8**	13	9.1	7.5	6.7	5.9	4.8	4.3	7.6

FREQUENCY OF THE WIND

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW.	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	1	.....	3	.....	1	9	2	.....	.....	.....	1	1	1	1	.....	.....	4	194.5	6.2	.....
2	2	1	4	.....	.....	3	4	2	.....	.....	.....	.....	3	2	.....	.....	3	162	4.5	.....
3	.....	.....	1	1	7	1	4	3	.....	.....	.....	.....	.....	4	.....	.....	3	182.5	4.9	.....
4	.....	.....	7	2	2	4	1	.....	.....	.....	.....	2	3	1	.....	.....	2	169.5	5.3	.....
5	1	.....	3	1	1	2	2	.....	.....	.....	3	1	.....	.....	.....	1	9	96.5	2.4	.....
6	.....	3	1	8	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	9	197	5.8	.....
7	1	.....	2	2	9	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	194	5.5	.....
8	.....	2	3	4	.....	4	.....	.....	.....	.....	1	1	3	.....	1	1	4	109	1.6	10.7
9	.....	.....	4	.....	2	11	.....	.....	.....	.....	.....	2	1	.....	1	.....	3	241.5	5.7	.....
10	.....	.....	6	1	4	5	3	1	.....	.....	.....	.....	1	.....	1	1	1	229.5	6.2	.....
11	.....	1	2	.....	3	2	6	1	.....	.....	1	.....	.....	3	2	.....	3	201.5	6	.....
12	1	2	1	3	2	3	5	.....	.....	.....	.....	.....	3	.....	3	.....	1	170.5	4.4	.....
13	2	1	1	1	2	3	2	.....	.....	.....	.....	1	3	4	.....	.....	4	135	3.9	.....
14	2	3	5	1	2	8	2	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	196	5.4	.....
15	1	1	2	3	2	5	3	.....	.....	.....	.....	.....	3	2	.....	.....	2	220	5.4	.....
16	1	5	2	1	.....	1	3	2	.....	3	1	1	1	.....	1	1	1	188	5.5	.....
17	2	1	5	.....	2	.....	1	.....	1	1	2	2	4	2	.....	1	.....	221	5.1	.....
18	4	2	1	.....	1	5	4	.....	.....	.....	1	.....	.....	.....	1	2	3	189.5	4.6	.....
19	1	1	4	3	1	2	6	.....	.....	1	.....	.....	3	.....	.....	.....	2	185.5	5.1	.....
20	2	2	1	2	1	7	5	.....	.....	.....	.....	2	.....	.....	.....	1	1	145.5	4.8	.....
21	1	1	4	2	.....	.....	.....	.....	1	.....	1	7	3	.....	.....	.....	4	182	5.1	.....
22	.....	.....	2	2	.....	.....	8	2	.....	2	.....	.....	4	.....	.....	.....	4	212.5	5.6	.....
23	.....	.....	2	4	2	2	5	.....	.....	.....	1	1	5	1	.....	.....	1	202	6.4	.....
24	.....	3	2	2	.....	.....	5	.....	.....	.....	1	3	2	2	.....	.....	4	193.5	5.5	.....
25	.....	1	8	2	2	3	.....	.....	.....	.....	1	2	1	1	1	.....	2	139.5	3.8	.....
26	2	.....	1	1	4	4	.....	.....	.....	.....	.....	4	2	.....	.....	.....	6	175	5.1	.....
27	2	4	1	.....	.....	5	5	.....	.....	.....	.....	1	3	.....	.....	1	2	199	5.8	.....
28	1	.....	4	.....	.....	2	5	.....	.....	.....	2	1	3	1	1	.....	4	192	5.8	.....
Total	27	34	82	46	52	96	81	11	2	7	17	32	52	24	12	10	87	5,124	141.4	10.7
Mean	1	1.2	2.9	1.6	1.9	3.4	2.9	0.4	0.1	0.2	0.6	1.1	1.9	0.9	0.4	0.4	3.1	183	5	0.4

EXTREME VALUES

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		*°C.*		*Per cent.*	*mm.*	*mm.*		*°C.*		*Per cent.*	*mm.*
1	763.33	9.00a.	32.7	1.20p.	96	18.9	760.30	2.45p.	18	6.20a.	45.5	14.9
2	64.40	9.10a.	32.1	3.45p.	**97**	18.8	61.60	3.30p.	18.3	6.50a.	48	15.3
3	65.10	9.20a.	31.8	3.20p.	92	18.1	62.05	3.20p.	**16.7**	6.30a.	45	13.8
4	66.35	9.30a.	30.6	4.40p.	95	16.8	63.11	3.00p.	**16.7**	6.45a.	50	13.7
5	66.80	9.25a.	**28.2**	2.25p.	88	18.1	63.30	2.15p.	19.1	1.05a.	59	15
6	**67.50**	8.35a.	32.9	1.20p.	91.5	17.1	**63.60**	2.45p.	20.4	6.50a.	46	15.1
7	66.95	8.35a.	32.4	0.05p.	92	18	63.14	3.00p.	20.8	2.15a.	**42**	14.9
8	66	9.10a.	29.2	1.20p.	94	**21.2**	62.85	3.15p.	21.5	4.45a.	**70**	16.7
9	65.60	9.10a.	32.2	3.45p.	92	18.2	61.90	3.05p.	19	6.45a.	43	14.6
10	65.15	8.55a.	32	2.30p.	93	18.4	60.85	3.40p.	17.1	6.05a.	43	14
11	65.05	8.00a.	32.1	2.25p.	94	**16.6**	61.21	4.00p.	17.4	6.25a.	47	**13.2**
12	64.50	9.20a.	31.6	3.35p.	90	18.9	60.50	3.35p.	18	5.05a.	52	13.9
13	63.65	10.10a.	31.8	2.35p.	89	20	60.50	3.55p.	**21.8**	6.45a.	59	**18**
14	63.65	9.00a.	33	0.35p.	94	19.2	60.85	3.35p.	21.1	6.15a.	47.5	15.4
15	64	9.05a.	32.7	1.55p.	91	18.7	61.15	3.15p.	18.2	6.25a.	50	14.3
16	63.60	8.50a.	32.2	4.20p.	92	20.6	59.65	4.25p.	20.6	6.25a.	53	16.6
17	62.12	9.00a.	31.8	2.50p.	**86**	19.7	58.59	4.00p.	21.7	6.20a.	54	17
18	61.50	9.00a.	32.6	2.20p.	88	19.7	58.50	3.30p.	21.4	6.40a.	52	17
19	62.70	9.35a.	32.7	1.40p.	92.5	19.4	59.05	2.55p.	20.4	4.50a.	51.5	16.7
20	62.50	9.15a.	33.1	1.30p.	88	20.1	58.40	3.50p.	21.1	6.15a.	48.5	16.6
21	62.15	9.10a.	33.2	3.05p.	93	20.8	58.10	3.15p.	20.2	6.05a.	46	16.3
22	**60.70**	9.15a.	**33.9**	3.15p.	94	20.3	**57.18**	4.00p.	20.7	6.25a.	46	16.8
23	60.90	9.45a.	33.3	4.25p.	94	20	57.82	4.00p.	20.7	6.35a.	50.5	16.9
24	62	9.10a.	33	3.40p.	91	20.6	58.50	3.50p.	21.3	6.20a.	55	17.2
25	61.95	9.35a.	30.6	1.30p.	91	19.3	59.09	3.00p.	20.8	6.25a.	58	16.1
26	63.05	9.30a.	30.8	2.50p.	89	17.9	60.06	3.00p.	19.7	6.20a.	53	15
27	63.55	9.10a.	32.5	2.25p.	90	16.8	59.85	4.15p.	18.5	5.55a.	46	14.7
28	63.10	9.55a.	32.4	3.20p.	90	18	59.29	4.00p.	18.8	6.05a.	47	14.8
Mean	763.85	....	32	....	91.7	18.9	760.39	....	19.6	....	50.3	15.5

DAILY GENERAL REMARKS

1....⌓° early in the morning.
2....⌓°, ≡° in the morning.
3....Fine weather.
4....⌓° early in the morning.
5....d° in the morning.
6....Gusty Ely winds in the forenoon and afternoon.
7....Somewhat gusty Ely winds in the afternoon.
8....●² in the afternoon; coloration of clouds at sunset.
9....⌓° early in the morning.
10....⌓° early in the morning; somewhat gusty SEly winds in the afternoon.
11....Somewhat gusty SEly winds in the afternoon.
12....⌓° early in the morning.
13....Cloudy weather.
14....⌓°, ≡° in the morning.
15....⌓°, ≡ in the morning.
16....⌓° early in the morning.
17....Fine weather.
18....Somewhat gusty SEly winds in the afternoon.
19....Cloudy weather.
20....As yesterday.
21....Fair weather.
22....≡° in the morning.
23....Fine weather.
24....As yesterday.
25....Cloudy weather.
26....As yesterday.
27....⌓° early in the morning.
28....Cloudy weather.

OBSERVATIONS FOR MARCH, 1919

ATMOSPHERIC PRESSURE, 700mm+

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	61.20	61	60.90	60.90	61.20	61.50	61.99	62.44	62.61	**62.72**	62.24	61.48
2	60.90	60.65	60.50	60.55	60.75	61.20	61.60	62.14	**62.42**	62.19	61.78	61.29
3	61.65	61.45	61.40	61.35	61.55	62	62.54	63.03	63.22	**63.35**	63.09	62.54
4	62	61.85	61.85	61.80	62	62.31	62.74	63.39	63.52	**63.63**	62.98	62.49
5	61.95	61.85	61.65	61.75	61.85	62.28	63	63.34	**63.46**	63.35	63.03	62.53
6	62.35	62.10	62	61.95	62	62.29	62.58	62.96	62.93	**62.99**	62.57	61.99
7	61.55	61.35	61.20	61.40	61.60	61.88	62.09	62.46	**62.88**	62.82	62.34	61.80
8	61.45	61.30	61.20	61.20	61.40	61.63	62.09	62.74	**62.84**	62.47	62.02	61.56
9	61.30	61.20	60.90	60.90	60.85	61.13	61.58	61.84	61.96	**62.30**	61.96	61.46
10	61.15	61	61	60.90	61.10	61.42	62.13	62.49	**63.09**	62.97	62.67	62.14
11	61.55	61.30	61.35	61.30	61.45	61.69	62.39	62.72	**62.89**	62.82	62.26	61.74
12	61.50	61.30	61.25	61.40	61.75	62.39	63.18	63.71	**64.09**	63.90	63.47	62.73
13	61.65	61.25	61.10	61.15	61.40	61.76	62.48	63.09	63.45	**63.48**	63.08	62.43
14	61.30	61	60.90	61	61.15	61.45	62.19	62.81	**63.05**	62.99	62.67	62.03
15	61.90	61.70	61.55	61.55	61.75	62.16	62.88	63.45	**63.68**	63.64	63.17	62.69
16	61.75	61.50	61.45	61.55	61.80	62.17	62.67	63.37	**63.52**	63.37	62.65	61.71
17	61.60	61.45	61.40	61.50	61.45	61.71	62.38	62.81	**63.08**	63.04	62.89	62.19
18	62.15	61.75	61.60	61.75	61.90	62.23	62.73	63.15	63.39	**63.55**	63.18	62.38
19	62.80	62.60	62.45	62.35	62.40	62.84	63.28	63.89	64.02	**64.05**	63.93	63.36
20	62.55	62.30	61.95	62	62.30	62.65	63	63.39	63.40	**63.57**	63.33	62.69
21	61.35	60.85	60.65	60.60	60.75	61.14	61.39	61.82	61.94	**62.11**	61.74	61.01
22	60.90	60.45	60.15	60.20	60.25	60.64	61.15	**61.69**	61.52	61.41	61.03	60.33
23	60.45	60.20	60.20	60.10	60.15	60.58	61.04	61.59	**61.78**	61.74	61.16	60.41
24	60.15	60	59.90	59.80	60	60.44	60.93	**61.37**	61.36	60.99	60.47	59.53
25	59.80	59.50	59.45	59.55	60	60.22	60.88	61.34	61.42	61.11	60.62	59.66
26	61.10	61	60.95	60.75	61	61.33	61.79	62.27	**62.44**	62.08	61.60	61.12
27	60.50	60.15	60.10	60.15	60.30	60.54	60.84	61.59	**61.77**	61.71	61.22	60.48
28	60.55	60.25	60.05	60.15	60.35	60.74	61.35	61.88	**61.98**	61.89	61.24	60.42
29	60.35	59.90	59.60	59.75	60	60.65	61.09	61.58	**61.72**	61.42	60.89	60.33
30	60.35	60	59.50	59.30	59.15	59.66	60.34	60.65	**60.74**	60.61	60.27	59.71
31	59.70	58.95	58.65	58.45	58.75	59.19	59.61	59.96	60.02	59.82	59.38	58.80
Mean	61.27	61	60.86	60.87	61.04	61.41	61.93	62.42	**62.59**	62.52	62.09	61.45

TEMPERATURE (°C.)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	21	20.9	20.4	19.9	19.8	19.5	**19.4**	24.5	27.4	27	28.3	29.6
2	21.8	20.7	20.1	19.9	19.5	**19**	19.7	25.3	27.5	28.5	28	29.1
3	21.2	20.4	19.7	19.6	**19.2**	20.4	21.1	24.6	27	28.2	29.5	29.4
4	23.5	22.5	21.2	20.2	**19.7**	**19.7**	20.2	25.2	29.1	30.3	31.4	31.9
5	21.7	20.5	19.6	18.5	18.4	**17.7**	18.9	24.2	27.7	29.1	29.5	29.1
6	20.3	19.2	18.6	18.5	17.7	**17.4**	18.6	24.6	28.3	29.6	30	31.3
7	24	22.7	22.1	21.2	20.7	**20.5**	21	26.6	28.1	27.7	31.9	33.3
8	20.7	20.4	21	19.9	19.2	**19**	20.1	24.8	29.3	31.5	32.4	31.9
9	24.3	24.2	23.2	22.5	**21.9**	22.2	23.6	28	30.6	27.6	28.3	27.8
10	25.5	25.2	24.6	24.5	24.5	25	25.7	27.5	28.9	28.5	28.4	29.2
11	24.6	23.8	23.1	22.1	21.2	**20.6**	21.5	27.1	30.1	31.8	30	30.5
12	24.5	23.8	22.2	21.2	20.9	**20.4**	22.7	25.9	29.7	29.5	28.9	29.7
13	22.9	22.2	21.1	21	20.8	**20.5**	21.6	25.5	28.1	28.1	28.6	30.1
14	23.4	23.1	22.5	21.7	20.5	**20**	21.8	26.4	29.1	**31.2**	31	30.7
15	22.4	21.6	21.5	21	20.5	**20**	21.6	26.1	28.1	28.3	28.9	30.6
16	22.6	22.3	21.9	21.1	20.8	**20.3**	22.3	27	27.9	28.5	29.2	30.5
17	22	20.4	19.7	19.5	19.5	**19.2**	20.7	24.1	27.3	28.5	29.3	30.3
18	21.6	21.2	20.3	19.6	19.4	**19.3**	22.7	26.7	28.5	29.1	28.7	30.4
19	23.6	23.7	23.1	22.7	21.8	**21.1**	23.4	26.4	28.5	29.2	29.5	29.5
20	24.6	23.7	23.5	22.8	22.4	**21.8**	23.1	26.5	29	29.2	29	30.1
21	24.3	24.5	24.1	22.7	22	**21.9**	24.6	28.4	30.3	29.3	31.9	33.
22	24.6	23.9	22.9	22	**21.9**	22	23	28.3	30	31.3	32.2	33.1
23	24.4	23.8	24.2	24.1	23.1	**22**	25.1	28.4	30.7	31.8	31.9	32.8
24	24.1	23.5	23	22.6	22.4	**22**	24.4	27.5	29.3	29	32.6	32.6
25	25.2	24.8	24.5	23.7	23.6	**23.4**	25.5	28.7	30.4	32.1	32.5	34.5
26	23.6	23.5	23.4	23.2	22.9	**22.3**	24.9	28.5	30.7	29.5	31.3	32
27	24.1	22.3	21.5	20.8	**20.6**	**20.6**	23.8	27.1	31.1	32	32.7	**34**
28	23.7	22.6	22.1	21.5	21.3	**20.9**	23.1	27.5	29.1	29.8	30.8	31.1
29	23.7	23	22.5	22.1	21.6	**21.5**	25	28.4	30.2	30.1	31.3	32
30	24.7	23.7	23.5	23.7	23.2	**22.8**	25.4	28.9	31.4	29.3	30.4	30.7
31	25	24.2	23.2	22.6	22.2	**22**	25.2	27.8	29.4	31.9	33.7	33.9
Mean	23.3	22.7	22.1	21.5	21.1	**20.8**	22.6	26.7	29.1	29.6	30.4	31.1

ATMOSPHERIC PRESSURE, $700^{mm}+$

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
60.47	59.46	59.07	**59.03**	59.34	59.68	60.04	60.35	60.60	60.90	61.20	61	60.89
60.82	60.15	59.60	**59.42**	59.59	59.97	60.60	61.30	61.75	61.90	62	61.95	61.04
61.72	61.14	**60.38**	**60.38**	60.58	60.88	61.52	61.80	62.10	62.35	62.45	62.30	61.87
61.70	61.16	**60.57**	60.75	61.12	61.38	61.86	62.20	62.35	62.50	62.55	62.35	62.13
61.81	60.71	60.26	**60.22**	60.61	60.99	61.32	61.80	62.15	62.40	62.75	62.55	61.98
61.41	60.46	59.81	**59.68**	59.88	60.32	60.87	61.25	61.75	61.95	62	61.90	61.67
60.92	60.25	59.87	**59.82**	60.33	60.62	61.04	61.55	62.05	62.20	62.15	61.90	61.50
61	60.43	59.86	**59.73**	59.76	60.07	60.55	61.40	61.65	61.85	61.85	61.65	61.32
60.74	59.93	**59.70**	59.98	60.33	60.66	60.95	61.40	61.55	61.60	61.60	61.45	61.14
61.05	60.23	59.85	**59.79**	59.84	60.26	60.77	61.10	61.75	61.75	61.80	61.60	61.33
60.72	59.80	**59.30**	59.40	59.83	60.33	60.82	61.15	61.50	61.70	61.85	61.60	61.31
61.64	60.78	60.13	**59.82**	59.87	60.15	60.57	60.95	61.50	61.75	61.95	61.90	61.74
61.18	60.28	59.66	**59.36**	59.69	59.91	60.31	60.90	61.40	61.80	61.85	61.60	61.43
61.32	60.91	60.42	**60.22**	60.40	60.82	61.22	61.65	61.95	62.20	62.40	62.20	61.59
61.73	61.02	60.36	**59.88**	60	60.25	60.47	61.10	61.75	62.05	62.10	62.05	61.79
60.71	59.76	**59.40**	59.47	59.88	60.38	60.55	61.15	61.65	61.80	62	61.80	61.50
61.25	60.23	**59.76**	59.88	60.30	60.80	61.28	61.70	62.05	62.40	62.65	62.55	61.68
61.48	60.58	**60.26**	60.41	60.68	61.18	61.89	62.35	62.95	63.15	63.25	63.10	62.13
62.63	61.65	61.10	**60.86**	61.10	61.38	61.75	62.25	62.50	62.80	63	62.90	**62.58**
61.57	61.18	60.53	**60.23**	60.50	60.71	61.11	61.45	61.60	61.65	61.85	61.65	61.96
60.07	59.34	**58.95**	58.99	59.15	59.56	59.86	60.35	61	61.35	61.40	61.05	60.68
59.57	58.68	58.21	**58.11**	58.60	59.06	59.65	60.15	60.65	60.70	60.70	60.65	60.19
59.52	58.83	58.41	**58.28**	58.57	58.89	59.45	60	60.25	60.25	60.40	60.45	60.11
58.92	58.30	57.85	**57.79**	58.42	58.76	59.37	59.85	60.05	60.30	60.20	60.10	59.79
58.99	58.43	**57.82**	58	58.39	58.95	59.47	60.15	60.70	61.25	**61.55**	61.45	59.95
60 15	59.31	**58.91**	59.01	59.19	59.78	60.25	60.65	60.80	60.85	60.85	60.90	60.75
59.35	58.57	**58.22**	58.99	58.39	58.76	59.41	59.95	60.30	60.50	60.65	60.65	60.13
59.52	58.76	58.34	**58.09**	58.34	58.81	59.52	59.85	60.55	61.05	61.25	60.95	60.24
59.93	58.88	58.36	**58.30**	58.67	59.06	59.83	60.30	60.90	61.15	61.35	60.90	60.20
58.71	57.55	**57.12**	57.17	57.46	58.07	58.55	59.30	60.10	60.40	60.50	60.10	59.39
58.05	57.03	**56.59**	56.70	57.16	57.66	58.22	58.95	59.55	59.90	**60.30**	59.95	**58.81**
60.60	59.80	59.31	**59.28**	59.55	59.94	60.42	60.91	61.34	61.56	61.69	61.52	61.06

TEMPERATURE (°C.)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
32.5	**32.6**	32.1	31	29.8	27.3	25.7	24.8	24.1	23.6	23	22.8	25.8
30.3	**32**	31.4	30.7	29	27.4	26.3	25.5	24.4	23.6	23.2	22.2	25.2
28.6	30.2	**32**	31.4	30.4	27.8	26.2	25.4	24.9	24.1	23.2	23.4	25.3
33.1	32.8	32	31.4	29.8	27.4	25.7	24.2	23.6	22.8	22.5	22.2	25.9
30.1	**32.3**	31.8	31.2	29.8	27.4	25.7	24.1	23.2	23.1	22.4	21.6	**24.9**
32	32.5	**32.7**	32	30.5	28.6	26.8	25.4	24.4	24.1	23.9	23.6	25.4
33.5	**33.5**	33.1	31.2	29.5	27.5	25.9	24.7	23.6	22.5	22.2	21.2	26.2
32.7	**33.7**	32.8	32.5	31.3	28.5	26.1	25.2	24	23.2	22.8	24.1	26.1
29.6	33	**33.4**	30.5	30.1	28.1	27	26.3	26	26	26	25.5	26.9
31.3	30.7	30.2	30.2	29.8	27.8	27	25.9	25.3	24.9	**24.4**	**24.4**	27.1
31.5	**33.8**	**33.8**	32.6	31.4	28.3	26.9	26.1	25.6	25.2	24.6	24.6	27.1
30.8	**31.2**	30.8	30.3	30.7	28.4	27.2	26.1	25.4	25.1	24.9	23.9	26.4
31.7	**33**	32.6	32.1	31.1	29.3	27.2	26.1	25.1	24.6	24.5	24.2	26.3
30.8	29.3	29.1	29	29.1	27.9	26.9	25.8	25.2	25.	24.5	23.2	26.1
29.6	31.3	31.9	**32.9**	31.2	28.7	27	26.1	25.3	24.9	23.9	23.1	26.1
34.1	33	33.6	32.9	30.9	28	25.9	25.2	24.3	23.6	23.3	22.8	26.3
33.4	33.1	31.8	30.4	30	27.5	26.1	25.4	25.2	24.5	24.	23	25.6
32	32.8	**33.5**	32.5	31.2	28.8	27.3	26.3	25.3	25.2	25.4	24.8	26.4
30.9	30.4	31.1	**31.5**	30.5	29.1	27.6	26.7	26.1	26.1	26.2	25.8	26.9
32.7	27.1	29.5	32	29.1	28.1	27.3	26.3	26.1	25.6	25.4	24.6	26.6
33.6	**34**	33.7	33.1	32.2	29.6	28.1	27.1	26.3	25.7	25.2	24.8	27.9
34.4	**34.5**	34.4	33.8	32.8	28	27.3	26.8	26.4	25.6	24.9	24.7	27.9
34.6	34.9	**35.7**	33.7	30.3	28.3	27.4	27.2	26.9	26.6	26	24.9	28.3
33.1	33.3	**34.2**	33.7	30.3	28.5	27.9	27.5	27.7	27.2	26.5	25.7	27.9
33.1	34.8	**35.8**	35.2	32.9	30.1	28.4	27.4	26.6	25.9	24.7	24	**28.7**
31.6	32.4	**33**	32.4	31.5	28.5	27	26.2	25	24.9	24.2	24.3	27.4
33.9	33	32.7	32.3	30.5	27.9	27.3	26.4	25.8	25.6	25.5	25	27.4
32.2	33.1	33	**33.8**	32	29.4	28.2	27.3	26.6	26.3	25.5	24.6	27.3
30	**32.9**	32.1	32.4	30	28.8	27.4	26.3	25.6	25.5	25.2	25.5	27.2
32.4	**33**	32.9	**33**	31.2	29	27.7	27	26.4	26	25.9	25.7	27.8
34.3	35.1	**35.4**	29.3	29.5	27.9	28	26.7	26.1	25.9	24.8	24.1	27.8
32.1	**32.6**	**32.6**	32	30.6	28.3	27	26	25.4	24.9	24.5	24	26.7

RELATIVE HUMIDITY (%)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	87	85	88	**90.5**	89.5	89	90	68	57	60.5	58	56
2	85	90	91	90.5	92	**93**	92	72	63	62.5	64	60
3	84	86	88	89	**90**	83	83	70	65	58	55	56
4	76	80	82	**88**	**88**	**88**	**88**	69	57	54	47	47
5	79	85	87	91	90	**93**	88	70	56.5	50	56	56
6	83	87	87	86	90	**91**	88	68	53	51.5	49.5	46
7	69	78	80	84	85	**86**	85	65	66	68.5	47.5	44.5
8	79	81	78	83	**86**	85	81	66	51	45	39	40
9	73	74	77	**82**	**82**	81	79	63	55	67	66	67
10	76	77	**82.5**	82	82	78	74	68	65	67	66	66
11	71	74	78	81	84	**86**	85.5	65	51.5	48	53	53
12	73	76	81	83	84	**87**	76	67	56	61	63	60
13	81	80	85	85	**86**	**86**	83	68.5	61	64	63	57.5
14	78	79	80	83	87	**89**	81	64	52	**45**	46	51
15	86	87	87	88	88	**91**	84	69	60	60	57	53
16	85	86	88	90	90	**92**	81	63	61	60	57	54
17	79	86	**89**	86	83	85	80	69	61	58	54	51
18	77	77.5	81	82	82	**83**	67	59	55	53	56	53
19	80	77	81	83	86	**89**	76	66	61	58.5	58	59
20	80	83	83	**87**	**87**	**87**	**87**	73	65	66	69	62
21	79	78	77	85	**86**	**86**	75	61	58	64	52	47
22	79	81	84	87	**87.5**	87	83.5	67	59	55	52	49
23	72	78	81	81.5	**85**	**85**	69	63	53	52.5	53	50
24	86	86	88	**89**	**89**	**89**	78	70	65	66	55	53
25	82	83	**85**	**85**	**85**	**85**	75	63	58	54	54	46
26	80	82	83	84	84	**88**	73	62	52	59	54	53
27	69	77	78.5	**81**	80	**81**	67	61	**47**	49	49	48
28	79	84	84	87	85	**88**	79	64	58	60	58	55
29	83	83.5	84	85	**87**	**87**	73	64	57	57	55	54
30	71	75	77	76.5	76	**78.5**	70.5	57	47	55.5	53.5	55
31	78	82	86	88	89	89	73.5	65	61	51	49	45
Mean	78.7	81.2	83.3	85.3	86	**86.6**	79.5	65.8	57.6	57.4	55.1	53.1

VAPOR PRESSURE (^{mm})

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	15.8	15.7	15.7	15.6	15.4	15.1	15.1	15.5	15.4	16	16.7	**17.2**
2	16.5	16.3	16	15.6	15.6	15.2	15.8	17.3	17.2	**18**	**18**	17.9
3	15.7	15.3	15	15	14.9	**14.8**	15.4	16.1	17.1	16.6	16.9	16.9
4	16.3	16.2	15.3	15.5	**15**	**15**	15.5	16.4	16.9	**17.3**	16.1	16.5
5	15.2	15.3	14.7	14.4	14.2	**14**	14.3	15.7	15.6	14.9	17	16.8
6	14.8	14.3	13.9	13.7	13.5	**13.4**	14.1	15.8	15.2	15.9	15.6	15.6
7	15.3	15.9	15.8	15.7	15.5	15.4	15.8	16.8	18.7	**18.9**	16.7	16.8
8	14.3	14.5	14.5	14.4	14.2	**13.8**	14.2	15.3	15.5	15.4	14	14.1
9	16.5	16.5	16.3	16.5	**16.1**	16.2	17.1	17.8	18.1	18.4	18.8	18.7
10	18.4	18.4	18.9	18.8	18.6	18.3	18.1	18.7	19.3	19.4	19.1	**19.8**
11	16.3	16.3	16.3	15.9	15.7	**15.5**	16.3	17.4	16.3	17	16.6	17.2
12	16.7	16.6	16.2	**15.5**	**15.5**	**15.5**	15.6	16.7	17.5	18.6	18.6	18.7
13	16.8	15.9	15.9	15.8	15.7	15.4	15.9	16.6	17.2	18.1	18.4	18.2
14	16.7	16.5	16.2	16	15.6	15.4	15.8	16.4	15.5	**15.2**	15.4	16.7
15	17.3	16.8	16.5	16.3	15.8	**15.7**	16.1	17.3	17	17	16.9	17.3
16	17.3	17.2	17.3	16.7	16.4	16.4	16.3	16.6	17.1	17.5	17.1	**17.6**
17	15.5	15.3	15.1	14.4	**14**	**14**	14.5	15.4	16.4	16.8	16.4	16.4
18	14.8	14.5	14.3	13.9	**13.7**	13.8	13.8	15.3	16	15.8	16.3	17.1
19	17.3	16.8	17	17.1	16.6	16.6	**16.3**	17	17.7	17.6	17.6	18
20	18.4	18.1	17.8	17.9	17.5	17	18.3	18.7	19.3	19.9	20.4	19.8
21	17.9	17.8	17.1	17.5	16.9	16.7	17.2	17.6	18.7	**19.5**	18.3	18
22	18.1	17.9	17.5	17	17.1	17	17.4	19.1	18.5	18.6	18.7	18.3
23	16.4	17.1	18.1	18.2	17.9	16.7	16.3	18.1	17.4	18.3	18.6	18.5
24	19.1	18.5	18.3	18	18	**17.5**	17.8	19	19.7	19.7	20.1	19.3
25	19.5	19.4	19.4	18.6	18.3	18.2	18.2	18.5	18.6	19.3	19.7	18.6
26	17.3	17.7	17.7	17.7	17.5	17.7	17.2	17.9	17.1	18	18.2	**18.6**
27	15.4	15.3	15	14.8	**14.4**	14.6	14.7	16.2	15.9	17.2	18	18.8
28	17.2	17.2	16.6	16.5	**16.1**	16.2	16.5	17.4	17.5	18.6	19.2	18.6
29	18.1	17.4	17.1	16.8	16.6	16.5	17.1	18.5	18.1	18	18.6	19
30	16.4	16.3	16.6	16.7	16.1	16.2	17	16.9	**16.1**	16.8	17.2	18.1
31	18.3	18.3	18.2	17.9	17.8	17.5	17.5	17.9	18.5	18.1	19	17.6
Mean	16.8	16.6	16.5	16.3	16	**15.8**	16.2	17.1	17.3	17.6	17.7	**17.8**

RELATIVE HUMIDITY (%)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
40	**40**	46	49	51	61	68	71	74	76	77	77	68.7
56	**46**	47	51	55	59	60.5	61	68	70	73	80	70.1
59	55	**48**	**48**	49	57	61	63	64	68	76	76	68
43.5	45	44	46	49	58	63	71	72.5	76	76	76	66
55	**44**	45	46	45	54	63	70	73	72	77	79	67.7
43	40	**39**	40	46	52	59	66	67	68	70	74	64.3
43	**42**	**42**	47	50	54	58	63	69	77	76.5	79	64.9
39	**36**	39.5	40	42	49	58	64	68	73	76	71	**61.2**
61	**50**	**50**	58	56	63	68	71	72	72.5	72	74.5	68.1
57	**53**	54.5	**53**	56	60	63	69	72	72	73	71	68.2
53	43	**42**	44	47	59	65	67	68	68	71	71.5	63.7
58	55	59	60	**54**	60	63	69	73	71	72	77	68.2
54	47	47	48	**44.5**	47	58	65	69	70	70	72	66.3
53	57	58	58	57	59	63	71	73	73	75	82	67.2
55	54	52	51	**49.5**	61	66	70	73	74	79	84	69.9
38	37	37	**33**	35	44	59	62	64.5	67	69	73	63.6
40	42	44	49	54	59	66	70	68	71	72	74	66.2
49	45	**42**	44	44	50	57	62	68	67	69	73	62.3
53	59	56	54	55	63	64	66	72	73	71	74	68.1
55	80	64	**51**	58	58	62	67.5	69	71	73	77	71.4
48	44	**42**	42.5	46	53	61	65	69	73	75	75	64.2
44	**42**	43	44	47	74	73	75	79	71	76	70	67
40	**35**	38	45	66	69	73	75	75	74	78	84	65.6
54	52	**50**	**50**	69	74	77	80	71	75	78	82	**71.9**
53	40	**35.5**	36	47	58	66	68	73	77	80	82	65.4
52	46.5	46	**42**	**42**	49	54	57	62	66.5	69	68	62.8
47.5	50	53	50	55	65	65.5	70	72	73	72	73	63.9
52	53	49	**43**	51.5	60	63	67	70	73	77.5	80	67.5
61	**49.5**	50	50	51	54	60	67.5	69	67	67.5	66	65.9
49.5	49	**45**	47	55	59.5	67	71	74	75.5	75	75	64
43	**41**	42	69	68	77	76	84	87	84	89	**91**	71.1
50	47.5	**46.8**	48	51.4	58.7	63.9	68.3	70.9	72.2	74.3	76.2	66.6

VAPOR PRESSURE (mm)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
14.7	14.8	16.4	16.5	16	16.4	16.7	16.5	16.4	16.4	16.1	15.8	15.9
17.9	16.3	16.1	16.7	16.2	16	15.4	**14.9**	15.5	15.2	15.4	15.9	16.3
17.2	**17.6**	16.9	16.5	15.8	15.7	15.5	15.1	14.9	15.2	16.1	16.3	15.9
16.3	16.5	15.5	15.7	15.2	15.6	15.4	15.8	15.7	15.7	15.4	**15**	15.8
17.4	15.7	15.6	15.5	**14**	14.7	15.4	15.6	15.4	15.2	15.4	15.1	15.3
15.1	14.7	14.2	14	14.8	15	15.4	15.8	15.2	15.2	15.3	**16**	14.9
16.7	16.3	15.8	15.8	15.2	14.9	**14.5**	**14.5**	14.9	15.5	15.2	14.8	15.9
14.2	14.1	14.6	14.4	14.3	14	14.5	15.2	15.1	15.4	15.7	**15.9**	**14.6**
18.9	18.6	**19.2**	18.7	17.8	17.9	18.1	18.1	17.9	18.1	17.9	18	17.8
19.4	17.4	17.4	17	17.5	16.6	16.6	17.3	17.3	16.8	16.6	**16.2**	18
18.3	16.9	16.5	16.1	16.1	16.9	17	16.8	16.5	16.3	16.3	16.4	16.5
19.2	18.7	**19.3**	19.2	17.8	17.2	17	17.3	17.6	16.8	16.8	16.9	17.3
18.6	17.4	17.3	17.2	14.9	**14.3**	15.6	16.2	16.3	16.1	16	16.2	16.5
17.4	17.4	**17.5**	17.2	17.1	16.4	16.6	17.5	17.3	17.1	17.1	17.3	16.6
17	18.2	18.3	**18.8**	16.7	17.7	17.5	17.7	17.4	17.3	17.4	17.6	17.2
15	14	14.4	12.4	**11.5**	12.5	14.6	14.7	14.6	14.5	14.7	15	15.5
15.4	15.8	15.5	16	**17.1**	16.1	16.6	16.9	16.3	16.2	16	15.4	15.7
17.2	16.8	16.3	15.9	14.7	14.8	15.3	15.8	16.2	15.9	16.7	17	15.5
17.5	**19**	**19**	18.5	18	18.8	17.7	17.1	18	18.2	18	18.2	17.6
20.2	**21.2**	19.7	18	17.5	**16.4**	16.8	17.2	17.5	17.4	17.6	17.7	18.3
18.4	17.3	16.4	**16**	16.5	16.4	17.4	17.4	17.5	17.9	17.9	17.6	17.5
17.9	17.3	17.5	17.1	17.5	**20.7**	19.5	19.7	20.1	17.4	17.9	**16.2**	18.1
16.4	**14.7**	16.3	17.5	**21.1**	19.7	19.9	20.2	19.8	19.1	19.4	19.7	18.1
20.3	19.8	19.9	19.4	**22.1**	21.4	21.4	21.8	19.7	20	20	20.1	**19.6**
19.9	16.5	15.5	**15.3**	17.5	18.4	18.9	18.6	18.8	19.1	18.5	18.2	18.4
18	16.8	17	15.1	14.5	**14**	14.3	14.4	14.7	15.6	15.5	15.3	16.6
18.6	18.8	**19.4**	18	18	18	17.7	17.9	17.8	17.8	17.5	17.3	17
18.7	**19.8**	18.4	16.9	18.2	18.2	18.1	18	18.1	18.5	18.8	18.4	17.8
19.3	18.4	18	18.2	16.2	**15.8**	16.3	17.2	16.9	16.2	16.1	16.1	17.4
17.9	18.2	16.7	17.6	18.5	17.7	18.5	18.8	**19**	18.8	18.7	18.5	17.5
17.2	17.3	17.9	20.9	20.8	21.5	21.3	**21.9**	21.8	20.8	20.7	20.2	19.1
17.6	17.2	17	16.8	16.7	16.8	17	17.2	17.1	17	17	16.9	16.9

CLOUDS—FORM AND DIRECTION

Day.	8 a.		9 a.		10 a.		11 a.		Noon.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	....	Cu.	....	Cu.	....	Cu.	Ci.	Cu.	....	Cu.
2	Ci.	....	Ci.	....	Ci.	Cu.	Ci.	Cu. NEbyE	Ci.	Cu.
3	....	S.-Cu. E	....	S.-Cu. E	....	Cu. E	....	Cu. E	....	Cu. ENE
4	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E	....	Cu. E
5	Ci.	Cu.	Ci.	Cu.	....	Cu. E	....	Cu. E	....	Cu.
6	....	....	....	Cu.	....	Cu. E	....	Cu. E	....	Fr.-Cu. E
7	....	Cu.	....	Cu.	....	Cu. E	Ci.	Cu. E	....	Cu.
8	Ci.	Cu.	Ci.	Cu.	....	Cu.	....	Cu. E	....	Cu.
9	....	Cu.	Ci.	Cu. E	Ci.	Cu.-N. E	....	Cu.-N. E	....	Cu.-N. E
10	....	Cu.	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu.
11	....	Cu.	....	Cu.	....	Cu. ENE	....	Cu. ENE	....	Cu.
12	....	Cu.	A.-Cu.	Cu.	....	Cu.	Ci.	Cu. E	....	Cu. E
13	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
14	....	Cu.	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E
15	....	....	....	Fr.-Cu.	....	Fr.-Cu.	....	Fr-Cu.	....	Cu.
16	....	S.-Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
17	A.-Cu. E	Cu.	Ci.	Cu.	Ci.	Cu.	....	Cu.	....	Cu.
18	....	Cu.	....	Cu.	Ci.	Cu.	....	Cu. E	....	Cu. E
19	Ci.	Cu.	....	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E
20	....	Cu. E	Ci.	Cu.	....	Cu. E	....	Cu. E	....	Cu.
21	....	Cu.	....	Cu. E	....	Cu. E	Ci.	Cu. E	....	Cu.
22	....	Cu.	....	Cu.	....	Cu.	....	Cu. E	....	Cu.
23	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E	....	Cu.
24	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E	....	Cu.
25	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
26	....	Cu.	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
27	....	Cu.	....	Cu.	....	Cu. ENE	....	Cu. ENE	....	Cu. EbyN
28	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
29	Ci.	Cu.	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
30	Ci.	Cu.	Ci.	Fr.-Cu. E	....	Cu. E	Ci.-S.	Cu. E	Ci.	Cu. E
31	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E	Ci.	Cu. E	A.-Cu.	Cu.
2	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
3	....	Cu. EbyN	....	Cu. E	....	Cu. E	....	Cu.	Ci.	Cu.
4	Ci.	Cu. E	Ci.	Cu. E	....	Cu.	....	Cu.	Ci.	Cu.
5	....	Cu.	....	Cu.	....	Fr.-Cu.	....	Cu.	....	Cu.
6	....	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
7	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
8	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
9	Ci.	Cu. ENE	Ci.	Cu. ENE	Ci.	Cu. ENE	A.-Cu.	Cu. ENE	A.-Cu.	Cu. ENE
10	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu.-N. E	....	Cu.
11	....	Cu. E	....	Cu. E	....	Cu.	....	Cu. E	....	Cu.
12	....	Cu. E	A.-Cu.	Cu. E	A.-Cu.	Cu. E	A.-Cu.	Cu. E	A.-Cu.	Cu.
13	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
14	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu.	....	Cu.
15	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
16	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
17	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	S.-Cu.
18	....	Cu. E	....	Cu. E	....	Cu.	....	Cu.	....	Cu.
19	....	Cu. E	Ci.	Cu. E	Ci.	Cu. E	....	Cu.-N. E	....	Cu.-N. E
20	....	Cu. E	....	N. E	....	Cu.-N. E	....	Cu. E	A.-Cu.	S.-Cu.
21	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
22	....	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.	Cu.	Ci.	Cu.
23	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
24	Ci.	Cu. E	Ci.	Cu.	Ci.	Cu.	Ci.-S.	Cu.	Ci.	Cu.
25	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
26	....	Cu. E	....	Cu. E	....	Cu. E	A.-Cu.	Cu. E	....	Cu.
27	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu.	....	Cu.
28	....	Cu.	Ci.	Cu.	....	Cu.	....	Cu.	....	Cu.
29	....	Cu. E	....	Cu. E	....	Cu. ENE	....	Cu. ENE	....	Cu.
30	....	Cu. E	Ci.-Cu. SE	Cu. E	....	Cu. ESE	....	Cu.	Ci.	Cu.
31	....	Cu.	Ci.	Cu.	Ci.	Cu.-N.	Ci.	Cu.	Ci.	Cu.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	N 1	Calm	NE 1	NE 1	NE 1	ENE 0.5	NE 0.5	NE 1	SW 1.5	W 3	SW 3	SW 1
2	Calm	NE 0.5	Calm	NE .5	NE 1	NE 1	Calm	NE .5	NNW .5	WSW 4	W 2.5	W 4.5
3	Calm	E .5	ESE 1	NE 1	E 1	NE 1	ENE .5	ENE 1	ENE 4	ENE 3	ENE 5.5	NE .5
4	ESE 2.5	ESE 1.5	NE 1.5	NE 1	NE 1	NE .5	NE .5	Calm	ESE 1.5	E 2.5	E 3.5	NE 4
5	ESE 2	ENE .5	ENE 1.5	ENE .5	NE 1	NNE .5	NE .5	NE .5	ESE 2	NE 4	WNW 4	NW 5
6	ENE 1	NE 1.5	NE 1	Calm	NE 1	NE .5	NE .5	N .5	E 2	ESE 5	ESE 6	SE 3.5
7	ESE 3.5	E 1.5	NE 1	NE 1	ENE 1.5	E .5	NE .5	NE 1	W 1	W 1.5	ESE 5.5	SE 4.5
8	ENE .5	NE 1.5	Calm	NNE 1	NE 1	NE .5	NE .5	N .5	ENE 2.5	E 2	E 5	E 6
9	Calm	Calm	NE .5	NE 1	E 1	E .5	Calm	ENE 1.5	E 4.5	WNW 3.5	W 4	WNW 3.5
10	ESE 2.5	E 1.5	NE 1	E 1	E .5	ESE 2	ENE 3	ENE 1.5	NW 1.5	W 4	W 5.5	W 2.5
11	ESE 1.5	SE 1.5	Calm	Calm	E .5	Calm	Calm	ESE 1	ESE 2.5	E 1.5	WNW 4.5	W 3
12	ESE 2.5	E 1.5	ENE 1	NE 1.5	NE 1	NE .5	NE .5	NE .5	SE 3	WSW 3	W 3.5	WNW 4
13	E 1	ESE 1	ENE 1	NE 1	NE 1	NE .5	Calm	N .5	W .5	WSW 4	W 2.5	WSW 4.5
14	ESE 1.5	E 1	E 1.5	NE 1	NE 1	NE .5	NE .5	NE 1	NE 1.5	E 4.5	ESE 2	W 2
15	NE .5	NE 1	NE 1	NE 1	Calm	Calm	Calm	N .5	WNW 1	WSW 4	WSW 4	W 4
16	E 1	E 1	ESE 1	ENE 1	Calm	Calm	Calm	E .5	SSW 1.5	SW 2.5	WSW 4	WSW 2.5
17	ESE 1.5	E 1.5	ENE 1.5	E 1.5	NE 1.5	NE 1	ENE .5	Calm	W 2	W 4	W 4.5	W 2.5
18	E 1	E 1	E 1	E 1.5	NE 1.5	NE 1	NNE 1.5	N 1	NNE 1	WSW 2	W 2	NE 2
19	Calm	Calm	NE .5	Calm	Calm	NE .5	N .5	N 1	WNW 1	WSW 3	WSW 3.5	WSW 5.5
20	Calm	Calm	E 1	NE 1	NE 1	NE 1	NE .5	N .5	W .5	W 2.5	NW 1	E 2
21	ESE 1.5	ESE 2	E 2	ENE 1	E 1	NE .5	E .5	E .5	E 1.5	SE 2	ESE 2.5	SE 5.5
22	E 1	E 1.5	E 1	NE 1.5	NE .5	Calm	E .5	ESE .5	ENE 4.5	SE 2	SE 5	SE 3
23	E 1	ESE 1.5	SE 1	SE 1	ESE 1	ENE .5	NE .5	NE 1	ENE 1.5	E 1	ENE 1	N 1
24	Calm	Calm	Calm	Calm	E 1	NE .5	NE .5	E .5	N .5	W 2	SW 1.5	WSW 4
25	SE 1.5	ESE 1.5	ENE 1	Calm	SE 1.5	E .5	E .5	ESE 3.5	ESE 1.5	ESE 2	ESE 3	ESE 3
26	SE 1.5	SE 1.5	SE 2	SE 1.5	SE 1.5	NE 1	ESE 1	SE .5	SE .5	W 1	W .5	WSW 3
27	E 1.5	E 1.5	NE 1	NE 1.5	NNE 1.5	NE .5	NNE 1.5	NNW .5	ESE 1	SE 1.5	ESE 7.5	SE 8.5
28	NE 1.5	NE 1	ENE .5	E .5	NE 1.5	NE .5	NE .5	Calm	NW 1	WSW 3	WSW 4.5	WSW 4.5
29	E 1	ENE 1.5	N 1.5	NE 1	E .5	SE .5	S .5	Calm	E 1	ESE 2.5	E 1	NNE 3
30	NE .5	Calm	ENE .5	E 1.5	ESE 2	ESE 1.5	ENE 1.5	ENE 1	NE 2	WNW 3.5	W 3.5	WNW 4
31	SE 1.5	E 1	E 1.5	ENE 1	Calm	Calm	ENE .5	Calm	W 1	SE 3	SE 4.5	ESE 3
Mean	1.2	1	1	0.9	1	0.6	0.6	0.7	1.7	2.8	3.6	3.5

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Mid-night.	Mean.
1	SE 5.5	SE 6.5	SbyE 6	SE 7	SEbyE 3.5	ESE 3	SE 2	SE 2	SE 1.5	SE 2	SE 2	SE 1	2.4
2	WSW 5	SE 6	SSE 4.5	SE 7	SE 6	SE 3.5	ESE 2.5	ESE 2.5	E 1.5	SE 2.5	SE 1	SE 1.5	2.4
3	WNW 5	WSW 2	SE 10	SE 5	SE 3.5	ESE 3.5	E 2	E 2.5	ESE 2	ESE 2	ESE 2	ESE 2	2.5
4	E 5.5	SE 5.5	ESE 4.5	SE 4	ESE 5.5	E 3	E 2.5	ESE 2	ESE 2	ESE 1.5	ESE 2	ESE 2	2.5
5	WNW 4	SE 8.5	SE 5	SE 6.5	SE 2.5	SE 4	ESE 2	ESE 1.5	SE 1.5	ESE 1.5	SE 2.5	SE 1.5	2.6
6	ESE 4	SE 5	SE 8	SE 5	SE 7.5	SE 3.5	SE 2	ESE 2	ESE 2	ESE 2	SE 2.5	SE 2	2.8
7	SE 6	SE 6	SE 7	SE 6	SE 6.5	ESE 1.5	E 3	ENE 2	SE 1.5	NE 1.5	E 1.5	ENE 1.5	2.8
8	ENE 3	EbyS 5	E 6	ESE 3	NE 1	E 1.5	E 1.5	NE 1.5	ENE 1	Calm	Calm	Calm	1.9
9	W 1	E 7.5	ESE 4.5	NE 1	ESE 2.5	ESE 6	E 1.5	ESE 2.5	ESE 3.5	ESE 3.5	E 1.5	ESE 1.5	2.4
10	E 10	SE 4.5	SE 2.5	SE 3.5	SE 4	E 3	ESE 2	SE 2.5	SE 2	ESE 2	SE 1.5	SE 1.5	2.7
11	WSW 3.5	E 5.5	E 5.5	E 5	ESE 2	SE 1.5	ESE 1	ESE 3	ESE 2	ESE 2	ESE 2	ESE 2	2.1
12	WNW 4	W 4	SW 2.5	WNW 1	SE 1	SE 5.5	ESE 4	ESE 2.5	SE 2	SE 3.5	ESE 1.5	ENE 1	2.3
13	SW 3.5	SSE 3.5	SE 3.5	SE 4	E 3.5	E 1.5	ESE 4	ESE 2	ESE 1.5	ESE 1.5	ESE 2.5	ESE 1.5	2.1
14	SE 10	SE 8.5	ESE 3	E 1	E 4	ESE 2.5	E 2.5	E 1	ESE 2	ESE 2	SE 1.5	E .5	2.4
15	WNW 4.5	W 2.5	WSW 3.5	W .5	ESE 2	SE 2.5	SE 2.5	ESE 3	ESE 2	ESE 2	ESE 1	E 1	1.8
16	SE 5.5	SE 8	E 1.5	E 3	E 5	ESE 3	ESE 2.5	ESE 2.5	SE 1.5	SE 1.5	ESE 1.5	ESE 1.5	2.2
17	SE 4	SE 5	SE 5	SE 6	SE 10	SE 3.5	ESE 4	ESE 1.5	SE 2.5	SE 2	ENE .5	Calm	2.8
18	ESE 3	ESE 3	SE 6.5	SE 8	SE 5	SE 4.5	E 2.5	ESE 2.5	ESE 1.5	ESE 3.5	ESE 1.5	ESE 1.5	2.5
19	W 3.5	W 1.5	WSW 1	ESE 1	NE .5	NE .5	E .5	SE 2.5	SE 3	SE 2	ESE 2.5	ESE 1.5	1.5
20	ESE 1.5	N 1.5	NNE 1.5	NE 1	E 1.5	ENE 1.5	E 1.5	ESE 2	ESE 3.5	E 2	ESE 2	E 1	1.3
21	SE 5	SE 3.5	SE 4.5	SE .5	SE 1	SE .5	SE 1.5	SE 3	SE 2.5	SE 1	SE 1.5	SE 2	2
22	SE 3	SE 7.5	SE 6	SE 2.5	SE 2	SSW 2	SSW 3	W 2.5	Calm	SE 1.5	ESE 1	ESE 1.5	2.2
23	SEbyS 2.5	SEbyS 6	SE 4.5	SSE 6	SW 3.5	SW 2.5	SW 4	SW 3.5	SSE 1.5	S 2	S 1	S .5	2.1
24	WNW 3	NW 3	WNW 1.5	WNW 3	SWbyS 4	SSW 2.5	SSW 3.5	SSW 3.5	SE 3.5	SE 2.5	SE 2	E 1	1.8
25	WNW 2.5	NE 1	ESE 2.5	ESE 5	ESE 4	ESE 3	ESE 3.5	SE 3.5	SE 2	E 1.5	Calm	SE 1	2
26	WSW 5	WSW 6	W 5	SSE 2.5	ENE 7	ENE 5	ENE 4.5	ESE 3.5	ESE 3.5	ESE 2	ESE 1.5	ESE 1.5	2.6
27	SE 5.5	SE 7.5	SEbyE 11.5	SEbyE 8	ESE 7	ESE 7.5	ESE 3	ESE 2.5	ESE 2	SE 3.5	ESE 2	ESE 1.5	3.7
28	WSW 4.5	W 1.5	W 1.5	SE 3	SE 4	SE 2.5	ESE 4	SE 3.5	ESE 3.5	ESE 2	SE 1	E 1	2.1
29	E 2	ESE 6.5	SE 5	SE 7.5	E 3.5	ESE 1.5	ESE 1	ESE 1.5	ESE 1.5	ESE 1.5	ESE 1.5	E 1	2
30	SE 4.5	ESE 5	ESE 2.5	ESE 3	SE 5.5	ESE 2.5	ESE 2.5	ESE 2.5	ESE 2	SE 2.5	ESE 3.5	ESE 1.5	2.5
31	SE 4.5	E .5	S 3.5	SSW 2	S .5	SW .5	SW 1.5	WSW 1	SE .5	NNE 1.5	NNE 2	NNE 1	1.5
Mean	4.3	4.8	4.5	3.9	3.8	2.9	2.5	2.4	2	2	1.6	1.3	2.3

WIND—VELOCITY IN KILOMETERS PER HOUR

Day.	Mdt-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	2.5	3.5	2.5	3	4	4.5	2.5	4.5	4.5	9.5	9.5	14.5
2	5	2.5	3	2.5	3	3	3	3.5	3.5	4	17	15
3	3.5	1	2.5	2.5	2	4	2	2.5	8.5	12	15.5	8.5
4	8.5	7.5	5.5	5	5	3.5	3.5	3	5	7	18	14
5	8	5.5	3.5	3	3	3	4	2	2.5	8.5	13	20.5
6	3	4	4	4	1	3	4	2	6	13	16	17
7	8	8.5	6	2.5	3	4.5	3	4.5	5	11	14	19.5
8	4	4	2.5	1.5	2	1.5	1.5	2	4	15	24.5	20.5
9	1	0	1	1.5	1.5	2	1	7	6	16	18	13
10	10	7.5	4.5	2	1	7	12	8	5	14	15	11
11	7	6	3	1.5	2.5	1.5	0	1	7.5	11	19	17
12	10	8.5	4.5	4.5	5	4	5	5	2.5	4	16.5	16.5
13	3.5	4	3	4.5	3.5	4	2.5	1.5	3.5	8.5	14	17
14	7	6	4	4	5	4	5	5.5	4.5	10	15.5	12.5
15	2	4	4	4	2.5	1	2	1	5	10.5	14.5	15
16	3.5	5	4	4.5	2.5	3	.5	1.5	4.5	8.5	18.5	13
17	5.5	4.5	4	6	6.5	5.5	2.5	.5	3.5	12.5	16	14.5
18	3	3	3.5	4.5	5	6	6.5	7.5	5	3	16.5	11.5
19	4	2	1	5	2.5	1.5	.5	1.5	3.5	6.5	16.5	14.5
20	4.5	2	3	3.5	3.5	4.5	3.5	5	1.5	8.5	11	9
21	3.5	6	9	5.5	3	2.5	3	3	6.5	10.5	9.5	15.5
22	5.5	4	4.5	4	4	3	4	5	9	12	17	16.5
23	4	4	5.5	4	3.5	4.5	4.5	5	4	4	6	9
24	1	2	2	2	2	4	4	3.5	.4	5.5	10	9
25	5	5	5	3	4	4	6	9	14	15	10	9
26	4	6	5.5	6.5	6	6	4	5	5	8	10	9
27	8	4	5	3	6.5	5.5	6	4	4	8	13	18.5
28	4.5	5	3	3	3.5	2.5	4	4	6	12	16	17
29	3	4	4.5	3.5	2.5	3	3	3	4.5	8	9	5
30	2	0	1	2	4	4.5	3	4.5	4	8	18.5	19.5
31	6	5	4	4	.5	2	.5	2.5	3.5	13	14.5	17
Mean	4.8	4.3	3.8	3.5	3.3	3.6	3.4	3·8	5	9.6	14.6	14.2

AMOUNT OF CLOUDS (0-10)

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.	
														h.	m.
1	1	0	0	0	1	1	2	3	3	4	4	3	1.8	9	55
2	2	6	5	4	5	5	2	1	1	2	2	1	3	9	30
3	6	8	8	9	9	8	8	5	3	1	2	3	5.8	6	20
4	4	1	1	4	5	3	4	1	1	1	1	1	2.2	10	10
5	4	1	2	4	3	3	1	0	0	0	1	1	1.7	10	00
6	4	0	0	3	3	3	2	1	0	0	0	1	1.4	10	05
7	1	0	1	4	3	3	2	1	2	2	1	1	1.8	10	15
8	3	2	2	3	3	3	3	2	2	1	0	0	2	10	20
9	3	2	3	8	8	8	8	7	6	7	8	8	6.3	5	45
10	3	1	3	5	9	9	5	7	7	6	3	2	5	5	30
11	1	0	1	2	3	3	4	2	2	2	1	1	1.8	10	10
12	0	1	1	1	4	4	7	8	7	6	4	4	3.9	7	10
13	0	0	0	1	2	2	2	2	4	3	1	1	1.5	8	35
14	0	0	1	2	4	5	8	8	8	8	7	9	5	5	55
15	0	0	0	0	1	2	3	3	3	2	1	1	1.3	9	50
16	1	0	1	1	1	2	2	2	2	2	1	0	1.2	10	05
17	4	8	2	2	1	1	6	2	3	7	6	2	3.7	6	30
18	1	0	1	1	6	5	6	3	2	2	1	1	2.4	9	55
19	2	2	0	4	4	7	8	8	7	9	9	5	5.4	6	45
20	4	9	4	6	8	8	9	9	9	6	4	4	6.7	4	10
21	1	1	4	8	7	4	3	3	3	2	2	1	3.2	9	25
22	8	3	1	3	3	3	4	3	2	1	0	0	2.6	10	00
23	1	0	0	2	3	3	1	2	1	1	0	1	1.2	10	20
24	0	0	2	4	3	3	3	4	4	5	5	7	3.3	8	35
25	1	1	1	1	1	1	2	1	0	0	0	0	.8	11	35
26	1	1	1	2	4	4	4	2	2	2	1	0	2	9	45
27	1	1	1	2	2	3	2	3	3	2	1	1	1.8	10	30
28	1	1	1	3	3	4	5	3	2	2	3	2	2.5	9	40
29	1	1	1	7	7	8	10	7	7	7	4	1	5.1	5	45
30	2	2	4	6	5	3	4	6	8	3	2	4	4.1	8	55
31	2	1	1	1	3	3	3	3	7	8	9	9	4.2	7	25
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	268	50
Mean	2	1.7	1.7	3.3	4	4	4.3	3.6	3.6	3.4	2.7	2.4	3.1	8	40

The mean amount of clouds in our *Monthly Bulletin* should be 3.1 instead of **1.3.**

WIND—VELOCITY IN KILOMETERS PER HOUR

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5– 6p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
14	21	24	20	24.5	18	13.5	10.5	9.5	6.5	6.5	8	10
16.5	15	17.5	22	22	19.5	9.5	9	9.5	6.5	6.5	4	9.3
11	15	15	24	18.5	15	11.5	12	9	9	7	8.5	9.2
18	23	24	25	21	14	9	7	8	8	6	7	10.6
17.5	17.5	24	24.5	22	17	10.5	5.5	5.5	8.5	6.5	8.5	10.2
19	19.5	19.5	23	22	19.5	12	7.5	6	8	8	9	10.4
20.5	22.5	23.5	24	19	16	9	11.5	6.5	5.5	4	3.5	10.6
20	14	18	16	11	9	6.5	7	1.5	2	.5	.5	7.9
11.5	19	19.5	10	8	12	8	10	9.5	13	8	7.5	8.5
11	17	25	17	15	14	11	9	8	8	7	5	10.2
16.5	9.5	18	18.5	14.5	16	7.5	12	10	9.5	7	8	9.3
16	13.5	7.5	7.5	3.5	16	12.5	10	7	9.5	10	5.5	8.5
15	16	22	22	20	13	11	7.5	8	6	8.5	8	9.4
16	24	22	18	13.5	15.5	11	8.5	4.5	9	7	4	9.8
18.5	14	15	10	14	16.5	13.5	15	8	8.5	6.5	4.5	8.7
13	18	14.5	17	19	18.5	10.5	12	7	8	7.5	7.5	9.2
10.5	20.5	24.5	22.5	24.5	19	13.5	10.5	9	7	6.5	2.5	10.5
17	15	24	21	21.5	15.5	10	10.5	8	8.5	9	6	10
15	6	10	7	10.5	11.5	7	9	9	12	8.5	11	7.3
14	13	8.5	11.5	13.5	13.5	8.5	5.5	9.5	11.5	8	6.5	7.6
18	19	18	15	14.5	13	10.5	11	9	10	5	7	9.5
17.5	16	18	12	13	12	14	10	5	4.5	5.5	6	9.2
14	14.5	13.5	11	19	19	19.5	16.5	8.5	6.5	7.5	3.5	8.8
20	18	11	12	19	17	16	12	12	13	11	7	9
13	11.5	16.5	17	18	15	15	13	13	8	3.5	1.5	9.8
11	13.5	16.5	12	10	14.5	15.5	16	9.5	12.5	7	7	9.2
25.5	25	28	24	24	18.5	14.5	13	8	11	11	8.5	12.4
17.5	15.5	12.5	13.5	16.5	18	14.5	14	13	11	7	4	9.9
6.5	10	14.5	15	21	14	10	9	6.5	5.5	4	4	7.2
15	22.5	22.5	17	19	17	13	9	8	8	11	9	10.1
13.5	10.5	13	16.5	6	8	9.5	9	2.5	4	8.5	5	7.4
15.5	16.4	18.1	17	16.7	15.3	11.5	10.4	8	8.3	7.1	6	9.3

FREQUENCY OF THE WIND

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW.	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rain fall.
																		Kms.	*mm.*	*mm.*
1	1	.....	5	1	.....	1	10	.....	1	.....	3	.....	1	.....	.....	.....	1	241	6.6	.....
2	.....	.....	5	.....	1	2	7	1	.....	.....	.....	2	2	.....	.....	1	3	222.5	6.5	.....
3	.....	.....	3	5	4	6	3	.....	.....	.....	.....	1	.....	1	.....	.....	1	220	5.5	.....
4	.....	.....	6	.....	5	10	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	255.5	7.1	.....
5	.....	1	4	3	.....	5	8	.....	.....	.....	.....	.....	.....	2	1	.....	.....	244	6.6	.....
6	1	.....	5	1	1	6	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	250	7.8	.....
7	.....	.....	5	3	4	3	7	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	255	7.4	.....
8	1	1	6	4	6	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	189	7.8	.....
9	.....	.....	3	1	6	7	.....	.....	.....	.....	.....	.....	2	2	.....	.....	3	204	6.2	.....
10	.....	.....	1	2	5	4	8	.....	.....	.....	.....	.....	3	.....	1	.....	.....	244	5.5	.....
11	.....	.....	.....	.....	5	10	2	.....	.....	.....	.....	1	1	1	.....	.....	4	224	7.2	.....
12	.....	.....	5	2	1	4	5	.....	.....	.....	1	1	2	3	.....	.....	.....	204.5	6	.....
13	1	.....	3	1	3	7	2	1	.....	.....	1	2	2	.....	.....	.....	1	226.5	6.7	.....
14	.....	.....	6	.....	8	6	3	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	236	5.6	.....
15	1	.....	4	.....	1	5	2	.....	.....	.....	.....	3	3	2	.....	.....	3	209.5	5.8	.....
16	.....	.....	.....	1	6	6	4	.....	.....	1	1	2	.....	.....	.....	.....	3	221.5	7.6	.....
17	.....	.....	2	3	2	3	8	.....	.....	.....	.....	.....	4	.....	.....	.....	2	252	7.6	.....
18	1	2	3	.....	5	7	4	.....	.....	.....	.....	1	1	.....	.....	.....	.....	241	7.1	.....
19	2	.....	4	.....	1	3	3	.....	.....	.....	.....	4	2	1	.....	.....	4	175.5	5.7	.....
20	2	1	5	1	6	4	.....	.....	.....	.....	.....	.....	2	.....	1	.....	2	183	4.3	0.4
21	.....	.....	1	1	5	3	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	227.5	7.4	.....
22	.....	.....	2	1	4	3	9	.....	.....	2	.....	.....	1	.....	.....	.....	2	222	6.8	.....
23	1	.....	2	3	2	2	3	4	3	.....	4	.....	.....	.....	.....	.....	.....	211	6.6	.....
24	1	.....	2	.....	3	.....	3	.....	.....	3	2	1	1	3	1	.....	4	217	6	.....
25	.....	.....	1	1	3	11	5	.....	.....	.....	.....	.....	.....	1	.....	.....	2	234	7.8	.....
26	.....	.....	1	3	.....	7	7	.....	.....	.....	.....	3	3	.....	.....	.....	.....	220	7.5	.....
27	.....	2	3	.....	2	9	7	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	296.5	7.4	.....
28	.....	.....	5	1	2	3	5	.....	.....	.....	.....	4	2	.....	1	.....	1	237.5	6.8	.....
29	1	1	1	1	7	8	3	.....	1	.....	.....	.....	.....	.....	.....	.....	1	173	5.8	.....
30	.....	.....	2	3	1	11	3	.....	.....	.....	.....	.....	1	2	.....	.....	1	242	7.4	.....
31	.....	3	.....	2	3	1	5	.....	2	1	2	1	1	.....	.....	.....	3	178.5	5.9	1.5
Total Mean	13 0.4	11 0.4	95 3.1	44 1.4	102 3.3	159 5.1	151 4.9	6 0.2	7 0.2	7 0.2	14 0.5	26 0.8	37 1.2	18 0.6	5 0.2	2 0.1	47 1.5	6,957.5 224.4	206 6.6	1.9 0.1

EXTREME VALUES

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°*C.*		*Per cent.*	*mm.*	*mm.*		°*C.*		*Per cent.*	*mm.*
1	762.80	9.35a.	33.5	1.40p.	90.5	17.2	759.03	4.00p.	19.3	6.20a.	40	14.7
2	62.45	9.05a.	33.1	1.50p.	**93**	18	59.42	4.00p.	18.8	6.20a.	46	14.9
3	63.40	9.45a.	32.7	2.45p.	90	17.6	60.20	3.30p.	18.6	5.25a.	48	14.8
4	63.70	9.20a.	34	0.25p.	88	17.3	60.50	3.45p.	19.1	5.20a.	43.5	15
5	63.50	8.50a.	33	1.40p.	**93**	17.4	60.15	3.45p.	17.6	5.55a.	44	14
6	63.10	9.55a.	33.2	3.05p.	91	16	59.65	3.55p.	**17.1**	6.05a.	39	13.4
7	63	9.05a.	34.4	0.50p.	86	18.9	59.82	4.00p.	19.9	6.25a.	42	14.5
8	62.84	9.00a.	34.5	1.55p.	86	**15.9**	59.65	3.30p.	18.3	6.20a.	36	13.8
9	62.30	10.00a.	34	2.05p.	82	19.2	59.70	3.00p.	21	5.15a.	50	16.1
10	63.20	9.15a.	33.3	1.05p.	82.5	19.8	59.75	3.20p.	**24**	5.20a.	53	16.2
11	63	9.20a.	34.7	2.10p.	86	18.3	59.25	2.50p.	20.1	6.40a.	42	15.5
12	**64.15**	9.05a.	33	1.25p.	87	19.3	59.82	4.00p.	19.9	6.15a.	**54**	15.5
13	63.48	10.00a.	34.1	2.25p.	86	18.6	59.30	3.45p.	19.9	6.10a.	44.5	14.3
14	63.15	9.30a.	**32.6**	11.10a.	89	17.5	60.15	4.10p.	19.7	6.25a.	45	15.2
15	63.75	9.35a.	33.3	4.05p.	91	18.8	59.88	4.00p.	19.4	5.55a.	49.5	15.7
16	63.52	9.00a.	34.6	3.05p.	92	17.6	59.35	2.45p.	20	6.25a.	**33**	**11.5**
17	63.10	9.30a.	34.2	1.45p.	89	17.1	59.76	3.00p.	19	5.50a.	40	14
18	63.60	9.55a.	34.5	2.20p.	83	17.2	60.20	3.30p.	19	5.25a.	42	13.7
19	64.10	9.55a.	33.4	3.45p.	89	19	**60.80**	4.15p.	20.8	6.25a.	53	16.3
20	63.60	9.55a.	34.1	1.20p.	87	21.2	60.23	4.00p.	21.8	6.15a.	51	16.4
21	62.15	9.30a.	34.6	2.55p.	86	19.5	58.90	3.40p.	21.5	5.35a.	42	16
22	61.69	8.00a.	35.3	3.15p.	87.5	20.7	58.11	4.00p.	21.7	4.35a.	42	16.2
23	61.90	9.20a.	35.8	2.55p.	85	21.1	58.20	3.45p.	21.7	6.20a.	35	14.7
24	61.40	8.25a.	34.7	3.25p.	89	**22.1**	57.70	3.35p.	21.7	5.55a.	50	**17.5**
25	61.60	11.05p.	**36.2**	3.35p.	85	19.9	57.70	3.35p.	23	6.20a.	35.5	15.3
26	62.44	9.00a.	34.5	11.35a.	88	18.6	58.85	3.20p.	22	6.15a.	42	14
27	61.85	9.20a.	34.7	0.20p.	81	19.4	58.15	4.10p.	20	5.45a.	47	14.4
28	62.10	9.15a.	35	3.50p.	88	19.8	58.05	3.50p.	20.4	6.15a.	43	16.1
29	61.75	8.35a.	33.8	2.05p.	87	19.3	58.30	4.00p.	21.2	6.15a.	49.5	15.8
30	60.85	0.05a.	34.2	2.15p.	**78.5**	19	57.05	3.40p.	22.2	6.15a.	45	16.1
31	**60.35**	10.40p.	36.1	2.45p.	91	21.9	**56.50**	2.40p.	21.6	5.55a.	41	17.2
Mean	762.70	....	34.2	....	87.3	18.8	759.17	....	20.3	....	44.1	15.1

DAILY GENERAL REMARKS

1....Somewhat gusty SEly winds in the afternoon.
2....As yesterday.
3....Do.
4....Fair weather.
5....Somewhat gusty SE winds in the afternoon.
6....As yesterday.
7....Do.
8....Fair weather.
9....Somewhat gusty Ely winds in the afternoon.
10....As yesterday.
11....Fair weather.
12....Cloudy weather.
13....Fair weather.
14....Gusty SE winds in the afternoon.
15....Fair weather.
16....⌓° early in the morning; somewhat gusty SE winds in the afternoon.
17....⌓° early in the morning; gusty SE winds in the afternoon.
18....Somewhat gusty SE winds in the afternoon.
19....Cloudy weather.
20....d in the afternoon.
21....Cloudy weather.
22....Somewhat gusty SEly winds in the afternoon.
23....As yesterday.
24....Cloudy weather.
25....Fair weather.
26....As yesterday.
27....Gusty SEly winds in the forenoon and afternoon.
28....Fair weather.
29....Somewhat gusty SEly winds in the afternoon.
30....Cloudy weather.
31....T^2NW, ● at night.

OBSERVATIONS FOR APRIL, 1919

ATMOSPHERIC PRESSURE, 700mm+

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	59.65	59.45	59	59.05	59.30	59.83	60.45	60.78	**61.12**	60.99	60.52	59.97
2	60.40	60.30	59.95	59.85	60	60.35	60.95	61.70	61.69	**61.71**	61.48	60.90
3	60.80	60.30	60.15	60.05	60.15	60.42	60.89	**61.24**	**61.24**	61.08	60.47	59.75
4	59.50	59.30	59	58.90	59.20	59.48	59.73	60.39	**60.74**	60.64	60.42	59.86
5	60.40	60.20	59.95	60.15	60.25	60.45	60.82	61.17	61.18	60.97	60.71	60.21
6	60.90	60.65	60.65	60.45	60.60	60.69	60.98	61.79	**61.94**	61.64	61.22	60.87
7	60.60	60.40	60.30	60.25	60.55	60.72	61.33	**61.63**	61.51	61.26	60.71	60.26
8	59.05	58.75	58.65	58.45	58.85	59.39	59.99	**60.21**	60.19	60.13	59.63	58.99
9	58.45	58.20	58	57.90	58	58.63	59.23	59.89	**59.92**	59.66	59.34	58.81
10	57.70	57.25	57.05	57.10	57.45	58.18	58.77	59.15	**59.38**	59.14	58.52	57.87
11	58.35	57.75	57.45	57.60	57.80	58.30	58.94	59.46	**59.67**	59.54	58.96	58.13
12	58.25	57.90	57.65	57.55	57.80	58.15	58.63	59.35	**59.44**	59.20	58.98	58.41
13	58.50	58.20	57.95	58	58.25	58.54	59.23	59.67	**59.97**	59.62	59.26	58.66
14	58.80	58.35	58.15	58.20	58.75	59.15	59.75	60.21	**60.39**	60.21	59.74	59.32
15	59.50	59.20	58.65	58.60	59.30	59.65	60.31	**60.92**	60.77	60.57	60.06	59.34
16	60.20	59.95	59.65	59.70	60	60.19	60.72	60.83	**60.87**	60.52	60.21	59.62
17	59.70	59.20	58.80	59	59.25	59.55	59.96	60.43	**60.63**	60.44	60.16	59.81
18	59.10	58.80	58.70	58.60	58.75	59.19	59.63	60.17	**60.52**	60.31	59.84	59.16
19	59.80	59.60	59.30	59.30	59.90	60.14	60.79	61.18	61.16	60.90	60.61	60.32
20	60.85	60.90	60.60	60.70	61	61.07	61.82	62.39	**62.41**	62.07	61.77	61.27
21	61.80	61.50	61.45	61.45	61.70	62.25	**62.35**	62.21	62.11	61.72	61.22	60.46
22	60.95	60.85	60.60	60.65	60.75	60.92	61.20	**61.31**	**61.31**	60.86	60.55	59.95
23	60.75	60.50	60.45	60.45	60.85	61.19	61.65	**61.89**	61.67	61.41	61.07	60.61
24	60.80	60.70	60.60	60.80	61.30	61.39	61.59	62.14	**62.16**	61.97	61.76	61.12
25	61.10	60.70	60.65	60.75	61	61.22	61.40	**61.78**	61.67	61.36	60.95	60.14
26	60.50	60.20	59.70	59.50	59.55	59.96	60.39	60.71	**60.81**	60.78	60.43	59.77
27	59.25	58.75	58.60	58.70	59.15	59.34	59.84	60.08	**60.14**	59.96	59.25	58.58
28	58.35	57.95	58	58.25	58.65	59.03	59.28	59.46	**59.66**	59.63	59.07	58.32
29	58.50	58.30	58.15	58.40	59	59.39	59.73	**60.12**	59.96	59.57	59.32	58.81
30	59.65	59.30	59.15	59.20	59.60	59.88	60.34	60.49	**60.52**	60.21	59.85	59.06
Mean	59.74	59.45	59.23	59.25	59.56	59.89	60.36	60.76	**60.82**	60.60	60.20	59.61

TEMPERATURE (°C.)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	23.5	23.4	23.3	23.3	23.2	**23**	25.5	28.8	27.9	30.5	30.5	32.2
2	25.6	25.3	24.8	24.6	**24.4**	24.9	26	28.4	30.3	30.6	31.3	31.5
3	25.8	25.1	**24.7**	24.9	25	25.3	26.1	27.4	29.9	30.9	31.9	32
4	26	25.7	25.6	24.7	**24.2**	**24.2**	25.9	29.1	29.9	30.4	30.9	31
5	25.3	24.9	24.7	23.9	24.3	**23.5**	26.5	29.4	31.7	29.9	30.4	32.1
6	25.8	24.9	**24.7**	25	25.3	25.5	26.6	27.6	28.8	29.9	31.3	31.7
7	26.1	25.6	24.9	24.7	24.4	**24.1**	26.8	29.4	29.4	29.6	29.9	30.7
8	25.9	25.2	24.4	24.5	**24.3**	24.5	26.1	30.5	31	29.6	31.2	31.1
9	24.5	23.8	23.7	23.2	22.8	**22.5**	26.1	30	29.4	29.8	31	31
10	25.8	24.9	24.5	**23.9**	24	24	25.2	29.3	30.2	31.4	34.6	35.6
11	26.5	26	25.4	25.1	25.1	**24.8**	26.6	29	30.3	31.7	31.7	30.9
12	25.4	25.1	24.9	24.7	24.6	**24.3**	26.7	28.1	32.2	33.6	32.2	34.2
13	25.8	24.9	24.4	24.5	24.3	**23.8**	27.3	30	31.8	33	34.4	34.9
14	25.2	24.5	23.8	23.2	**22.6**	22.8	25.6	29	30.2	31	32	32.4
15	26.3	25.3	24.6	24.3	23.9	**23.5**	26.7	29.3	30.9	31.4	32.5	35.4
16	27.3	27	26.9	26.6	26	26	28.4	30.5	30.5	31.3	32.1	32.9
17	23.2	22	22.4	22.1	**20.8**	20.9	25.1	29.2	29.2	31	32.1	32.8
18	25.2	24.7	24.7	24.7	24.5	**24.4**	26	30.2	31.9	31.5	33.6	34.4
19	26.3	25.5	25	24.4	24	**23.9**	26.9	30.4	31.3	32.5	34.8	33.9
20	25.4	24.1	23.4	22.7	22.6	**22.5**	26	30	32.1	32.5	32	33.1
21	25.3	23.9	22.6	22.2	22	**21.5**	25.9	29.7	32.4	33.6	34.3	34.7
22	24.9	24	23.3	23.1	22.4	**22.1**	25.9	29.1	30.4	31.6	33	32.6
23	24.6	24.3	23.7	23.1	22.7	**22.3**	26.3	29.2	29.5	30.7	32.3	32.4
24	24.8	24.2	23.6	23.3	23.1	**22.7**	26.3	29.5	32	29.7	32.6	32.1
25	24.7	24.5	23.7	23	22.3	**22.1**	26.3	30.1	31.7	32.3	34	32.7
26	25.5	24.8	24.3	23.5	23.3	**23**	26.2	29.1	30.3	31	32.7	33.5
27	26.6	25.4	24.6	23.8	23.7	**23.2**	26.5	30	30.2	31	32	32.1
28	25.2	24.4	23.9	23.4	23.2	**22.9**	26.7	30.6	33.1	31.6	32.2	33.2
29	26.2	25.2	25	24.5	**24.1**	**24.1**	27.1	30.5	31.7	32.5	31	32.6
30	25.4	24.9	24.1	23.2	**22.6**	**22.6**	26.4	29.9	32.3	31.6	31.4	33.2
Mean	25.5	24.8	24.3	23.9	23.7	**23.5**	26.3	29.4	30.8	31.3	32.2	32.8

ATMOSPHERIC PRESSURE, 700^{mm}+

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
59.04	58.11	**57.55**	57.84	58.08	58.60	59.21	60.10	60.50	61.05	60.95	60.75	59.66
59.85	59.24	**58.51**	59.20	59.35	59.92	60.46	60.95	61.15	61.50	61.45	61.20	60.50
58.71	57.94	57.25	**56.86**	56.91	57.71	58.30	59.10	59.75	60	59.80	59.70	59.52
58.92	58.22	**57.50**	57.64	57.76	58.12	58.77	59.40	60	60.35	60.65	60.40	59.37
59.47	58.60	**57.89**	57.90	58.58	58.95	59.83	60.25	60.75	61	**61.20**	**61.20**	60.09
59.92	59.09	58.76	**58.50**	58.97	59.43	59.90	60.70	61	61.50	61.30	61.10	60.52
59.45	58.65	58.02	**58**	58.16	58.44	58.88	59.25	59.40	59.70	59.70	59.40	59.86
58.31	57.55	57.24	**57.13**	57.33	57.54	58.17	58.66	59.20	59.55	59.30	58.95	58.80
58.02	57.16	**56.77**	56.79	56.86	57.37	57.70	58.40	58.35	58.30	58.35	58.05	58.26
57.08	56.35	55.90	**55.89**	56.27	56.78	57.33	58.40	58.95	59.15	59	58.85	**57.81**
57.67	57.07	56.54	**56.22**	56.42	56.82	57.66	58.20	59.10	59.25	59.30	58.85	58.13
57.25	56.42	56.02	**55.97**	56.03	56.63	57.54	58	58.55	58.95	59.05	58.85	57.94
57.73	56.94	56.14	**55.98**	56.20	56.90	57.75	58.40	58.90	59.35	59.45	59.15	58.28
58.21	57.63	56.95	**56.89**	56.97	57.59	58.14	58.90	59.80	60.05	60.05	59.65	58.83
58.53	57.88	57.48	**57.38**	57.56	57.94	58.73	59.40	60.15	60.65	60.65	60.50	59.32
58.80	57.95	57.52	**57.33**	57.39	57.99	58.46	59	59.35	59.85	60.20	59.95	59.43
58.70	58	57.40	**57.13**	57.23	57.54	58.20	58.65	59.15	59.50	59.75	59.70	59.08
58.29	57.49	56.88	**56.73**	56.94	57.40	58.05	58.65	59.10	59.85	60.15	59.90	58.84
59.80	59	58.65	**58.23**	58.40	59.09	59.85	60.25	60.65	**61.30**	**61.30**	61.15	60.03
60.64	59.50	59.13	**58.69**	59.03	59.75	60.35	61.10	61.55	62.05	62.10	61.95	**60.95**
59.34	58.58	58.40	**58.22**	58.35	58.97	59.51	60.35	60.80	61.25	61.25	60.95	60.67
58.70	58.22	58.07	**57.77**	58.03	58.24	58.80	59.35	60	60.70	60.90	60.85	59.98
59.82	59.06	58.35	**58.12**	58.13	58.73	59.67	60.15	60.80	61.15	61.30	61.15	60.37
60.35	59.29	58.69	**58.24**	58.33	58.93	59.69	60.30	60.90	61.40	61.65	61.20	60.64
59	58.15	**57.82**	57.93	58.10	58.53	59.30	59.85	60.60	61.20	61.05	60.80	60.21
58.66	57.80	57.44	**57.15**	57.45	57.88	58.59	59.25	59.80	60.05	60.05	59.90	59.43
57.61	56.89	56.42	**56.18**	56.33	56.84	57.50	58.20	58.70	59.15	59	58.80	58.47
57.62	56.71	56.24	**55.98**	56.34	56.85	57.69	58.05	58.50	59.05	59	58.75	58.18
57.91	57.24	56.67	**56.30**	56.85	57.75	58.45	58.90	59.30	59.85	60.05	60	58.69
58.08	57.42	56.90	**56.83**	56.95	57.55	58.21	58.80	59.15	59.50	59.60	59.55	58.99
58.72	57.94	57.44	**57.30**	57.51	58.03	58.69	59.30	59.80	60.21	60.25	60.04	59.36

TEMPERATURE (°C.)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
32.8	**33.1**	32.5	32.8	31.9	30.1	29.1	28.4	27.5	27	26.4	26	28
31.9	33.4	**33.6**	29.8	30.1	28.8	28	27.7	27.6	27.3	26.7	25.8	28.3
34.2	33.9	**34.8**	34.3	33	30.1	29.1	28.2	27.4	27	26.4	26.2	28.9
33.2	32.5	**33.8**	33.2	32	29.6	28.5	27.6	27	26.6	26.2	25.9	28.5
32.7	34.1	**34.8**	33.2	30.8	29.4	28.8	28.6	28.7	28.4	27.9	26.2	28.8
32.4	33.8	34.1	**34.7**	33.7	30.6	29.9	29	27.9	27.5	26.9	26.6	28.9
33.3	31.7	32.8	32.1	32.2	30.4	29.1	28	27.1	26.4	26.1	25.8	28.4
33.1	33.3	34.4	**34.5**	32.4	30.6	29.5	28.4	27.6	26.9	26.7	25.5	28.8
30.3	**33.8**	32.3	29.2	30.4	29	27.9	27.3	26.6	25.9	25.3	25.5	**27.6**
35.9	36	**36.4**	35.9	34.4	31.7	30.6	29.5	28.6	28.3	27.4	26.7	**29.8**
29.9	31	31.3	**32.6**	31.6	30.4	29.8	29.2	28.8	28	26.8	25.9	28.7
35.5	**36.2**	35.9	35	34	31.7	30.1	29	27.8	27.6	26.8	26.4	29.7
35.8	36.1	**36.2**	35.5	34.2	31.4	30	28.9	28.1	27.4	26.7	26	**29.8**
32.9	34.3	35.9	**36**	33.9	31	30	28.8	28.1	27.7	27.5	27.1	29
35.8	37	**37.1**	35.8	34.5	31.5	30	29.1	28.6	28	27.2	27.4	**29.8**
34.6	**36.5**	36.1	35.2	34	31.6	29.9	28.7	27.3	26.7	25.9	**24.1**	**29.8**
33.2	34.1	**35.5**	34.6	34.5	31.8	29.9	28.9	28	27.4	27.2	26.1	28.4
33.8	34.9	**36**	35.6	34	31.3	29.9	29.1	28.4	28	27.5	27	29.6
34.2	**35.5**	35	34.4	32.8	30.9	29.6	28.7	27.8	27	27	26.3	29.5
33.1	**35.2**	35.1	34.6	33.3	31	29.3	27.7	27	26	25.6	25.8	28.8
35.8	35.1	35	33.2	33.1	31	29.4	28.2	27.5	27.1	26.4	25.8	29
35.8	**36**	35.7	35	33.7	31.4	29.8	28.9	28	27.3	26.1	25.1	29
33.3	**34.7**	34.2	34.5	33.4	31.3	30	29	28	27	26.4	25.3	28.7
33.2	33.5	**35.4**	35	33.6	30.9	29.7	28.2	27.5	26.5	25.8	25.3	28.7
35.8	35.5	**36.4**	33.3	32.4	31.1	30.1	29.1	28.2	27.7	27.3	26.3	29.2
33.9	34.5	34.8	**35**	34	31.5	30.3	29.5	28.8	28.2	27.7	27.2	29.3
33.2	33.9	35.8	**35.9**	34.1	32	30.7	29.5	28.7	28.3	27.3	26.3	29.4
33.9	35.3	**35.4**	34.7	33.1	31	30.3	29.3	28.6	28	27.4	26.8	29.3
34.5	35.4	**35.9**	34.8	32.6	30.8	29.8	28.3	27.4	27.2	26.6	26.1	29.3
35.6	**35.7**	35	34.7	32.5	31	29.3	28	27	26.4	26.1	25.3	28.9
33.8	34.5	**34.9**	34.2	33	30.8	29.6	28.6	27.9	27.3	26.7	26.1	29

RELATIVE HUMIDITY (%)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	94	**96**	**96**	**96**	**96**	96	86	76	81	68	65	55
2	87	88	89	90	**91**	89	84	75	66	65	60	62
3	85	88	**90**	**90**	**90**	88	85	78	71	67	60	60
4	78.5	79	81	87	**87**	**88**	80	65.5	67	66	64	63
5	79	79	81	**86**	82	85	72	62	56	65	63	57
6	84	89	**90**	87	86	85	79	73	69	64	58	60
7	76	77	81	82	**83**	**83**	73	63	64	65	63	59
8	74	77	**80**	**80**	79	79	74	55	58	63	57	61
9	80	83	84	86	85	**87**	73	59	63	62	59	61
10	83	87	87	**91**	90	90	86	66	68	63	47	45.5
11	82	84	87	89	88	**90**	83	74	70	65	62	65
12	90	92	92	92	92	**94**	82	78	61	57	62	53
13	81	85	83	81	83	**86**	73	60	54	49	44	39
14	78	79	83	84	**89**	87	73	62	58	53	52	54
15	78	81	86	85	86	**88**	72	62	57	57	54	45
16	73	74	75	77	**81**	80	69	61.5	62	60	58	53
17	74	76	72	76	75	74	62	55	60	55	49	49
18	80	82	82	82	84	**86**	83	63	57	62	54	52
19	80	83	83	**87**	**87**	**87**	75	57	59	58	45	49.5
20	74	75	76	**78**	77	77	64	52	45	47	50	48
21	68	74	80	81	81	**84**	65	52	45.5	42.5	43	39
22	71	74	76	78	**81**	**81**	65	58	61	57	55	57
23	79	82	83	83	83	**84**	71	66	66	63	57	56
24	74	74	77	78	78	**81**	67.5	59	49	62	55	54
25	77	78	79	80	**83**	**83**	66	56	48	52	44	44
26	78	77	79	**83**	80	**83**	69	60	59	57	55	51
27	73	79	80	83	83	**85**	70	59	58	55	52	53
28	75	78	80	79	80	**81**	64	52.5	49	58	52	53
29	80	85	83	85	**86**	85	73	63	61	59	64	56
30	75	76	78	82	82	**83**	70	58	52	58	61.5	56
Mean	78.7	81	82.4	83.9	84.3	**85**	73.6	62.7	59.8	59.2	55.5	53.7

VAPOR PRESSURE (mm)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	20.2	20.4	20.3	20.3	20.2	19.9	20.9	22.4	**21.6**	22.2	21 1	19.7
2	21.2	21.2	20.7	20.7	20.6	20.9	21	**21.5**	21.2	21.3	**20.2**	21.2
3	21.1	20.9	20.8	21	21.2	21.2	21.3	21	**22.2**	22.1	21.1	21.3
4	19.6	19.4	19.8	20	19.6	19.8	19.9	19.6	20.9	**21.2**	21.1	21.1
5	18.9	18.6	18.7	18.9	**18.4**	**18.4**	18.5	18.9	19.6	20.5	20.2	20.4
6	20.7	20.9	20.8	20.4	20.6	20.7	20.4	20.1	20.4	20.1	19.7	20.8
7	19	18.7	19	18.9	18.9	18.5	19.1	19.2	19.6	**20.1**	19.7	19.4
8	18.4	18.4	18.2	18.3	**17.9**	18.1	18.6	18	19.4	19.5	19.3	**20.3**
9	18.3	18.2	18.3	18.2	**17.6**	**17.6**	18.2	18.5	19.2	19.3	19.8	20.2
10	20.5	20.3	19.8	20	19.9	19.9	20.5	20.1	21.7	21.4	19.2	19.6
11	21	21	20.9	21.1	20.9	20.9	21.4	22	22.3	22.5	21.6	21.7
12	21.7	21.7	21.6	21.4	21.2	21.2	21.3	22	22	22	**22.4**	21.2
13	**19.9**	**19.9**	18.9	18.5	18.8	18.9	19.8	19	18.9	18.2	17.7	16.2
14	18.6	18.1	18.2	17.9	18	17.9	**17.8**	18.5	18.5	17.9	18.4	19.4
15	19.8	19.5	19.7	19.1	18.9	18.9	18.8	18.9	18.9	19.6	19.7	19.2
16	19.8	19.6	19.8	20	20.2	20	19.9	19.9	20.2	20.2	**20.8**	19.6
17	15.6	14.8	14.6	14.9	**13.6**	**13.6**	14.6	16.5	18	18.4	17.6	18.3
18	19.2	18.9	18.9	18.9	19.2	19.4	20.7	20.1	20.1	21.2	20.7	21
19	20.4	20.1	19.7	19.7	19.3	19.2	19.8	18.4	20.1	**21**	18.7	19.4
20	17.7	16.8	16.3	16.1	15.6	15.7	15.9	16.4	16	17.1	17.8	**18.1**
21	16.2	16.4	16.3	16	15.8	16	16.2	16.2	16.4	16.4	**17.2**	16
22	16.6	16.5	16.2	16.3	16.3	**16.1**	16.2	17.5	19.8	19.9	20.4	**20.9**
23	18.2	18.4	18.1	17.4	17.1	**16.8**	18.1	19.8	20.1	20.6	**20.7**	20.2
24	17.2	16.7	16.7	16.6	**16.3**	16.6	17.2	18.2	17.4	19.2	**20.1**	19.3
25	17.8	17.8	17.2	16.7	16.7	16.5	16.7	17.8	16.7	18.6	17.3	16
26	19	17.9	17.9	17.8	17.1	17.3	17.4	18	18.9	19	20.4	19.7
27	18.8	**19**	18.4	18.2	18.1	18	18	18.5	18.5	18.4	18.4	18.8
28	17.9	17.6	17.6	16.8	17	16.8	**16.6**	17.1	18.3	20	18.7	20.1
29	20.2	20.3	19.4	19.4	19.3	18.9	19.5	20.6	21.2	21.4	**21.5**	20.5
30	18.1	17.9	17.3	17.3	**16.8**	17	18	18.2	18.6	20	21	**21.4**
Mean	19.1	18.9	18.7	18.6	**18.4**	**18.4**	18.7	19.1	19.6	**20**	19.8	19.7

RELATIVE HUMIDITY (%)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
54.5	**49**	53	57	59	67	68	70	76	80.5	84	86	**75.4**
58	**54**	55	65	65	71	74	76	76	79	81	85	74.4
49	50	**46**	**46**	51	60	63	67	72	74	77	79	70.2
53	58	**53**	54	54	62	66	72	74	77	79	78	70.2
54	49	**46**	56	65	72	73	75	71	71	74	82	69
57	51	49	**46**	49	65	62	65	71	72	73	74	69.1
51	57	53	52	53	57	61	64	69	70	72	74	66.8
52	52	49	**48**	51	58	59	66	69	74	69	77	65
63	**53**	60	81	76	75	75	79	82	84	85	85	74.2
43	44	**41**	42	44	57	60	66	73	74	80	82	67.1
71	66	66	**58**	61	63	67	71.5	76	77	83	88	74.4
47	**45**	**45**	46	**45**	51	58	65	72	74	78	80	68.8
37	**34**	**34**	36	39	48.5	53	59	61	68	71	74	59.7
52	49	**42**	43	48	55	60	65	69	70	70	72.5	64.5
42	**37**	39	42	46	54	63	67	67	70	75	73	63.6
46	**33**	37	42	41	46	52	60	64	64	68	75	60.5
48	47	**36**	38	38	48	57	62	65	69	70	**77**	59.7
56	51	**43**	**43**	49	57	63.5	67	68	73	74	77	66.2
48	42	**40**	41	45	52	55	60	65	68	67.5	71	62.7
47	37	**36**	38	39	42	51	60	63	66	70	65	57.4
35.5	37	36	43	41	44	51	58	61.5	62	66	67	**56.5**
44	40	42	**39**	46	55	60	65	69.5	69	75	78	62.4
52	48	47	**44**	**44**	53	59	62	67	70	70	74	65.1
53	50	**39.5**	42	46	56	58	65	67	70.5	75	76	62.8
37	37.5	**33.5**	43	48	51	55	62	65.5	69	71	75	59.9
52	48	47	**38**	42	54	61	61	64.5	68	69	70	62.7
50	47	40	**38.5**	39.5	46	51	58	58	62	67	72	60.8
52	48	**47**	50	57.5	62	62	67	71	74	76	79	64.5
50	45	**41.5**	44	52	59	59	67	71	72	72	72	66
45.5	47	47	49	54	53	60.5	65	68	70	71	74	64
50	46.8	**44.8**	46.8	49.6	56.4	60.6	65.6	68.9	71.4	73.8	76.4	65.5

VAPOR PRESSURE ($^{\text{mm}}$)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
20.1	**18.5**	19.3	21.2	20.9	21.2	20.4	20.3	20.6	21.3	21.5	21.5	20.7
20.5	20.8	21.1	**20.2**	20.6	20.8	20.9	21.1	20.9	21.3	21.1	21.1	20.9
19.6	19.7	19.1	**18.6**	19	19	18.8	19	19.5	19.6	19.7	20.1	20.3
20.1	21	20.6	20.5	19.2	**19.1**	19.2	19.7	19.6	20	19.8	19.3	20
20	19.5	19.1	21.4	21.6	**21.8**	21.6	21.7	20.9	20.4	20.6	20.6	20
20.6	20.1	19.3	**18.9**	19.1	**21.1**	19.3	19.3	19.9	19.6	19.2	19.2	20
19.4	19.8	19.5	18.4	18.9	18.4	18.3	18	18.4	**17.8**	18	18.2	18.9
19.5	19.6	19.8	19.3	18.6	18.9	18.2	18.9	19	19.4	18	18.6	18.8
20.3	20.7	21.5	24.3	**24.4**	22.3	21	21.3	21.1	20.8	20.4	20.7	20.1
18.8	19.2	18.5	18.4	**17.7**	19.8	19.5	20.4	21.1	21.1	**21.7**	21.3	20
22.3	22.1	**22.6**	21.3	21.1	**20.4**	20.7	21.5	22.4	21.7	21.6	21.8	**21.5**
20.1	20.4	19.9	19.4	18	**17.8**	18.4	19.3	20	20.4	20.5	20.5	20.6
16.1	15.1	**15**	15.5	15.7	16.6	16.7	17.6	17.4	18.3	18.4	18.5	17.7
19.2	**19.6**	18.6	18.9	18.9	18.3	19	19.2	19.4	19.5	19.3	19.3	18.7
18.2	**17.9**	18.5	18.5	18.9	18.5	19.8	20	19.5	19.7	**20.2**	19.9	19.2
18.8	**14.9**	16.3	17.7	16.4	15.7	16.3	17.5	17.3	16.8	16.9	16.8	18.4
18.1	18.5	15.5	15.6	15.3	17	17.8	18.4	18.3	18.7	18.7	**19.4**	16.7
21.8	21.2	18.9	**18.6**	19.2	19.3	19.9	20	19.6	20.5	20.2	20.3	19.9
19.2	18	**16.7**	**16.7**	16.8	17.3	17	17.5	17.9	18.1	17.8	18.1	18.6
17.7	15.7	15.1	15.4	14.9	**14.1**	15.3	16.7	16.6	16.5	17.1	16.1	16.3
15.5	15.7	15	16.1	15.4	**14.8**	15.6	16.6	16.8	16.5	17	16.4	**16.1**
19.1	17.5	18.1	16.6	17.8	18.8	18.8	19.2	19.5	18.6	18.8	18.5	18.1
19.8	19.6	18.8	18.1	**16.8**	18.1	18.5	18.5	18.7	18.4	18	17.8	18.6
19.9	19.1	16.9	17.4	17.8	18.7	17.9	18.4	18.3	18.1	18.4	18.2	17.9
16.1	16.1	**15.1**	16.4	17.4	17.2	17.4	18.4	18.6	19.1	**19.2**	19	17.3
20.5	19.3	19.3	**15.9**	16.6	18.7	19.5	18.8	19	19.2	19.1	18.7	18.5
18.9	18.5	17.2	17	**15.7**	16.1	16.9	17.8	17	17.6	18	18.3	17.9
20.5	20.2	20.2	20.6	**21.6**	20.6	19.9	20.3	20.7	20.9	20.5	20.6	19.2
20.1	19.3	18.2	18.1	18.9	19.6	18.4	19.1	19.3	19.2	18.7	**18**	19.5
19.6	20.4	19.8	20.2	19.7	17.9	18.3	18.3	18.1	17.8	17.9	17.8	18.6
19.3	18.9	**18.4**	18.5	**18.4**	18.6	18.6	19.1	19.2	19.2	19.2	19.2	19

CLOUDS—FORM AND DIRECTION

Day.	8 a.		9 a.		10 a.		11 a.		Noon.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	Ci.	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
2	....	Cu.	....	Cu. E	....	Cu. E	....	Cu.	....	Cu.
3	....	Cu. NNW	A.-Cu. E	Cu.	....	Cu.	....	Cu.	....	Cu.
4	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E	....	Cu. E	Ci.	Cu. E
5	Ci.	Cu.	Ci.	Cu.	....	Cu. ESE	....	Cu. ESE	....	Cu. ESE
6	A.-Cu. EbyN	Cu.	A.-Cu.	Cu.	Ci.-S.	Cu. E	Ci.	Cu. E	Ci.	Cu. E
7	....	Cu.	....	Cu.	....	Cu. ESE	....	Cu. ESE	....	Cu. ESE
8	A.-Cu. NE	Cu.	A.-Cu. NE	Cu. ESE	....	Cu. ESE	....	Cu. ESE	....	Cu. ESE
9	Ci.	Cu.	Ci.	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
10	A.-Cu.	Cu.	A.-Cu. ESE	Cu.	A.-Cu.	Cu. E	....	Cu. E	....	Cu.
11	Ci.	Cu.	Ci.-S.	Cu.	Ci.	Cu. E	Ci.	Cu. E	....	Cu. E
12	Ci.	Cu.	....	Cu.	....	Cu. E	....	Cu. E	....	Cu.
13	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
14	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
15	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
16	....	Cu.	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E
17	....	Cu.	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E
18	A.-Cu.	Cu.	A.-Cu. NE	Cu.	....	N.-cf. E	....	Cu. E	....	Cu. E
19	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E	....	Cu. E	....	Cu. E
20	....	Cu.	....	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
21	....	Cu.	....	Cu.	....	Cu.	....	Cu. E	Ci.	Cu.
22	Ci.	Cu.	Ci.	Cu.	....	Cu. E	Ci.	Cu. E	Ci.	Cu. E
23	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E	....	Cu. E
24	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E	....	Cu. E
25	....	Cu.	....	Cu.	Ci.	Cu. E	Ci.	Cu. E	....	Cu. E
26	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E	....	Cu.
27	....	Cu.	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E
28	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
29	....	Cu.	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu.
30	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E	Ci.	Cu. E	....	Cu.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	....	Cu.	....	Cu.	....	Cu.	....	Cu. SE	....	Cu. SE
2	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
3	....	Cu.	....	Cu.	Ci.	Cu.-N. E	Ci.	Cu.-N.	A.-Cu.	S.-Cu. E
4	Ci. W	Cu.-N. SSE	Ci. WSW	Cu. SSE	Ci. WSW	Cu.	Ci. W	Cu.	Ci.	Cu.
5	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
6	A.-Cu.	Cu.	A.-Cu.	Cu. E	A.-Cu.	Cu. E	....	Cu.-N. E	Ci.-S.	Cu.-N. E
7	....	Cu. ESE	A.-Cu.	Cu. E	....	Cu. E	....	Cu. E	....	Cu.
8	....	Cu.	Ci.	Cu.	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu.
9	....	Cu. E	A.-Cu.	Cu.-N	....	Cu.-N.	....	Cu.-N. ESE	Ci.	Cu.-N.
10	Ci.-Cu.	Cu.	....	Cu. ESE	Ci.-Cu.	Cu.	....	Cu.	A.-Cu.	Cu.
11	....	Cu. E	A.-Cu. E	Cu.	A.-Cu. E	Cu.-N.	Ci.-S.	Cu.-N.	A.-Cu. E	Cu.-N.
12	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	....	Cu.	....	Cu.
13	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
14	....	Cu.	....	Cu.	Ci.	Cu.	....	Cu.	....	Cu.
15	....	Cu. E	....	Cu.	....	Cu.	....	Cu.	Ci.-S.	Cu.
16	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
17	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu.
18	....	Cu. E	....	Cu. E	....	Cu. E	Ci.	Cu.	....	Cu.
19	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu.	....	Cu.	A.-Cu.	Cu.
20	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	....	Cu.
21	....	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
22	....	Cu. E	Ci.	Cu.	....	Cu.	Ci.	Cu.	Ci. WSW	Cu.
23	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu.-N. E	....	S.-Cu. E
24	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu.	....	Cu.
25	....	Cu. E	....	Cu. E	....	Cu.-N. E	....	Cu. E	....	Cu. E
26	....	Cu.	Ci.	Cu.-N. E	Ci.	Cu.-N.	Ci.	Cu.-N.	....	Cu.
27	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu.	....	Cu.
28	....	Cu.	....	Cu.	....	Cu.-N.	Ci.-S.	Cu.-N.	....	Cu.
29	....	Cu. E	....	Cu.	....	Cu.	....	Cu.	....	Cu.
30	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu. E	....	Cu. E	Ci.	Cu. E

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	NE 1.5	NE 1.5	NE 0.5	NE 1	NE 1.5	Calm	NE 0.5	E 1	SSW 1.5	SW 1	WSW 1.5	SSW 2.5
2	Calm	ESE 1	Calm	NE .5	NNE 1.5	N 1	N 1.5	NNE 1.5	NNW 2	WSW 2	WSW 2.5	WSW 4.5
3	Calm	Calm	Calm	E .5	Calm	Calm	Calm	SE 1	SW .5	WSW 2	WSW 2.5	WSW 3.5
4	ESE 1	NNE 1.5	N 1	Calm	Calm	Calm	Calm	NE .5	WNW 1	NW 3.5	W 3	W 2.5
5	ESE 2	ESE 1.5	ESE 1.5	ENE 1	ESE 1.5	EbyN .5	NE 1	ENE 2.5	ESE 1.5	WNW 4	WNW 2.5	W 4
6	N 2	NNE 2	ENE 1	ESE 1.5	E .5	E .5	E .5	NNE .5	NNW 1.5	WNW 2	W 3	WSW 3
7	ESE 1.5	ESE 1.5	ESE 1.5	ESE .5	ENE 1	E 1	NE .5	W .5	WSW 1	W 3.5	WNW 5	WNW 2
8	SE 2	SE 1.5	SE 1	SE .5	SE 1	ENE .5	EbyN .5	ESE .5	E .5	WNW 5	WbyS 3	WNW 4
9	NE .5	NE 1	Calm	E 1	ENE .5	E .5	SE .5	Calm	WNW 1	WNW 3	WNW 1	W 3
10	E .5	E .5	ENE 1	NE 1	Calm	Calm	Calm	ENE 1	NNE 1	ESE 1.5	SE 4.5	ESE 3.5
11	NE 1	NNE 1	Calm	NNE .5	N 2.5	Calm	Calm	W 1.5	W 1	W 3	WNW 3	W 1.5
12	N 1	NNE 1	N 1	NNE 1	NNE 1	NE .5	Calm	NE .5	E 3	SE 1	W 1.5	E 2.5
13	ESE 1.5	ESE 1	ESE 1	ESE 1.5	E 1.5	E .5	SE 2.5	SSE 4	SE 4	SE 4	SE 5.5	SE 5.5
14	E 1.5	E 1	Calm	E .5	NE 1.5	NE 1	NE 1.5	NNE 1	NW 1.5	NW 3.5	W 4.5	W 1
15	ENE 1.	NE .5	Calm	SE .5	Calm	E .5	N .5	Calm	SW 1.5	W 2	WSW 3.5	SE 3.5
16	SE 2	SE 2	SE 1.5	ESE 1.5	Calm	NE .5	E .5	E .5	WSW 1.5	W 3	W 5	WSW 3
17	E 1.5	E 1	ESE 2.5	E 1.5	NE 2	NE 1	NE .5	Calm	NW 1	NW 2.5	WNW 6	W 3
18	Calm	NE .5	Calm	NE .5	ESE .5	Calm	Calm	SSW .5	SSE 1	SW 2	E 3.5	NW 3.5
19	NE 1	NE .5	N .5	E .5	Calm	NNE 1	NE 1	E 2	SW 2.5	SW 2	ESE 3	WNW 3
20	ENE 1.5	N 1.5	NE 1	E .5	ESE 1.5	EbyN .5	NE .5	ENE 1.5	N 1.5	NW 2.5	W 6	W 5.5
21	ESE 1.5	E 1	ENE 1.5	E 1	E .5	NE 1	NE .5	ENE 1	E 3	ESE 3	E 1	ESE 8
22	ENE 1	N .5	NE 1.5	NE 1.5	NE 1.5	Calm	Calm	Calm	SW 1	W 1.5	WNW 3.5	NW 3.5
23	Calm	NNE 1	NE .5	NE 1	E 1	Calm	Calm	SSW 1	W 1	W 3.5	WNW 3.5	WNW 4.5
24	ENE 1	ENE .5	ENE 1.5	ENE 1.5	ENE 1	NE .5	NE .5	NE 1	NE 1	WNW 4	W 2.5	W 3.5
25	Calm	ENE 1.5	E 1.5	Calm	NE 1	NE .5	NE .5	Calm	ENE 1	S 2	SE 4	ESE 4.5
26	NE 1	Calm	NE 1	NNE 1	NE 1	NE .5	NE .5	Calm	W 1	NW 1	WbyN 2	W 3
27	ESE 2.5	ENE 1.5	NE 1.5	E 1.5	NE 1	Calm	Calm	Calm	NW 1	W 3.5	W 4	W 2.5
28	Calm	NE 1	NE 1	NE 1	NE 1	NE .5	E .5	NE .5	Calm	W 2	W 2.5	W 3
29	N .5	Calm	N 1	NE 1	Calm	NE .5	NE .5	E 1	E 1	NW 2.5	W 3.5	W 3.5
30	NE 2	ENE 1.5	NE 1	NE .5	Calm	NE .5	NE .5	NE .5	E 1	NW 1	W 3.5	W 2.5
Mean	1.1	1	0.9	0.8	0.9	0.4	0.5	0.8	1.4	2.6	3.3	3.4

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
1	WSW 3	W 2.5	WSW 2	SW 4	SSE 2	SE 2	SSE 1.5	ESE 1	SE 1.5	SE 0.5	SE 0.5	Calm	1.4
2	WSW 4.5	WSW 2.5	W 3	E 4.5	ESE 1	SE 2.5	ESE 2.5	SE 2	SE 1	Calm	Calm	Calm	1.7
3	SE 3.5	SE 2	SE 1	SEbyS 5	SE 1	SE 4.5	SE 6.5	SE 3.5	SE 2.5	SE 2.5	SE 1.5	SE 1	1.9
4	SE 5	ESE .5	SW 1	SSE 4.5	SE 2.5	SE 3	SE 3.5	SE 3.5	ESE 1.5	ESE 1.5	ESE 1.5	ESE 2	1.8
5	WNW 3.5	W 3	WNW 3	WSW 4	SW 2.5	SW 4.5	SSW 4	SSW 3.5	S 2	SSE 1.5	SE 1	NNE 2.5	2.4
6	SW 1.5	SW 1.5	WSW 4	SE 1.5	SSE 5	ENE 1	ESE 1.5	SE 2	SE 1.5	ESE .5	ESE 1	ESE 1	1.7
7	W 2.5	WNW 2.5	SE 4	E 2.5	E 1	ENE 2.5	ENE 2.5	E 2.5	E 1.5	SE 1.5	SE 1.5	SE 1.5	1.9
8	WNW 2	WSW 3	SW 2.5	S 1	SE 4.5	SSE 4	SE 2	SE 2	SE 1.5	SE 1.5	SE 1.5	Calm	1.9
9	W 2.5	WSW 4	WNW 2	Calm	Calm	SE .5	ESE 3	ESE 1.5	ESE 1.5	Calm	ESE .5	SE 1.5	1.2
10	SE 4.5	SE 6	SE 5	SE 6.5	SE 4.5	ESE 2.5	ESE 2	ESE 2.5	SE 1.5	SE 2	Calm	Calm	2.1
11	SSW 3	W 1.5	Calm	SE 1	SE 1	SE 2	ESE 1	ENE .5	N 1	NW 2	NNW 2	NNE 2	1.3
12	SSE 4.5	SE 1.5	SE 5	SE 2.5	ESE 3	ESE 1	ESE 2.5	ESE 2	ESE 1.5	ESE 1.5	ESE 1.5	ESE 1	1.7
13	SE 3	SE 4	SE 6	SE 3.5	ESE 3	ESE 3	ESE 2	SE 2	SE 3	SE 2	ESE 2	ESE 1.5	2.8
14	W 3	WSW 1.5	ESE 3.5	SE 1	SEbyS 4.5	SE 3	SE 3	SE 3.5	SE 3	SE 2	SE 2	SE 2.5	2.1
15	SE 4.5	SSE 2	SE 1	SE 2	SE 2.5	SE 3.5	ESE 1.5	SE 3	SE 3.5	SE 2	SE .5	SE 1.5	1.7
16	WSW 3.5	SE 4.5	SE 5	SE 4.5	ESE 4	ESE 3	SE 2	SE 3.5	SE 2.5	SE 3.5	SE 1.5	ENE 1	2.5
17	WbyN 3.5	W 3.5	SE 3	SE 2.5	ESE 3	ESE 2.5	SE 3.5	SE 3.5	ESE 3.5	SE 3.5	ESE 2.5	Calm	2.4
18	W 6	WSW 3	SSE 3.5	SE 3	SE 6.5	SE 4	SE 3.5	SE 3.5	SE 4.5	SE 3.5	SE 2	SE 1.5	2.4
19	NW 3	SE 4	SE 6	SE 8	ESE 4	SE 2.5	SE 2	ESE 1.5	SE 1.5	SE 1.5	SE 2	SE 1.5	2.3
20	WSW 4	SE 9	SE 7.5	SSE 8	SE 5.5	SE 3	SE 3.5	E 2	ESE 3.5	ESE 3	ESE 3.5	ESE 3.5	3.3
21	ESE 5	SE 8.5	SE 7	SE 8	SE 4	SE 2.5	SE 2	ESE 3.5	ESE 3.5	SE 3.5	ESE 3	E 1.5	3.1
22	ESE 3	SSE 7	SE 5	ESE 5	SE 4.5	SE 3	ESE 3	SE 3.5	SE 3	SE 1.5	ESE .5	Calm	2.2
23	WNW 5	WNW 4	WNW 2.5	W 3	SE 2.5	SEbyS 4.5	SE 4	SE 2.5	ESE 1.5	ESE 1	ESE 1	ESE 1	2.1
24	W 3	WNW 2.5	SE 2.5	SE 5.5	SE 7	SE 1.5	ESE 2.5	SE 2	SE 3.5	SE 2.5	ESE 2	SE 2	2.3
25	ESE 6	ESE 6.5	ESE 5	SE 3	ESE 4	ESE 3	ESE 3.5	ESE 3.5	ESE 2.5	ESE 2.5	ESE 1.5	Calm	2.4
26	WNW 1.5	W 3	WSW .5	SE 4	SE 2	SE 3.5	SE 3.5	SE 2	SE 3.5	SE 3.5	SE 2.5	SE 3.5	1.9
27	SW 1.5	WSW 2.5	SW 2.5	SE 3	SEbyE 4	SE 2	SE 3.5	SE 3.5	SE 2.5	SSE 1.5	SE 1	SE 1	2
28	WNW 4	W 3.5	WNW 3	WSW 2.5	SWbyW 2	S 1.5	SE 2	SE 3.5	SE 3.5	SE 3	SE 1.5	SE 1	1.8
29	W 3.5	SEbyS 5.5	SSE 4	SE 8	SEbyS 9.5	ESE 3.5	ESE 5	ESE 3.5	ESE 3.5	ESE 3.5	ESE 3.5	E 1.5	2.9
30	SE 6.5	ESE 6.5	ESE 7	ESE 4	ESE 3	ESE 2.5	ESE 2.5	SE 3.5	SE 3.5	ESE 2.5	ESE 3.5	ESE 2	2.6
Mean	3.6	3.7	3.6	3.8	3.4	2.7	2.8	2.7	2.5	2	1.6	1.3	2.1

WIND—VELOCITY IN KILOMETERS PER HOUR

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a	10-11 a.	11-Noon.
1	4.5	3	2	2	2.5	0	1	1.5	5	8	11.5	11.5
2	2.5	1.5	2	3	2	7	5	9	4	9	18	16.5
3	0	0	0	.5	.5	.5	1.5	.5	1.5	10	12	12.5
4	4.5	3.5	3	.5	0	.5	.5	0	3	15	18	18
5	7	6	6	3.5	4.5	5	5	5	9	8	19	15
6	11	6.5	4	4	3	1.5	1	2	1.5	9.5	14	12
7	5.5	7	5	6	3	3	3.5	4	8	11.5	16	15
8	7.5	5.5	3.5	3	4	3	2.5	5.5	7.5	7	21	16
9	2	2.5	2	2	2.5	2.5	2.5	2	8	12	15	12
10	4	3	5.5	1.5	.5	.5	0	3	5	11	22	14
11	3	3	0	0	1	0	0	2	5.5	10.5	19	14
12	4	3.5	3	3	2	3	2	1	2	9	11	9
13	3	2	2	3.5	4	3	4.5	9	15	20	19.5	16.5
14	4.5	3	.5	.5	4	4.5	4	7	5.5	12.5	17	12
15	5.5	1.5	1	1	1.5	1.5	2	1	4.5	10.5	17.5	13.5
16	6.5	7	4.5	5.5	2.5	3.5	1.5	2.5	6.5	9	22	14
17	2.5	4	4.5	5.5	7.5	4	3	3	4	8	16	22
18	.5	0	1.5	2.5	1	0	0	2	5.5	6.5	11	14
19	5	2	2	2	2	1.5	2.5	2	5.5	7.5	14	11
20	4.5	4	3.5	2.5	3	3	4.5	3.5	5	7	18	16.5
21	8.5	5	3	4	2.5	2.5	3	4	4.5	9.5	15	16.5
22	3	2	1.5	3.5	4	2	.5	.5	5	11	16	18
23	0	1.5	2	1	2	2.5	.5	3.5	7.5	10	22	22
24	2	3	3	4.5	2	.5	3	4	5	8	20	17
25	4	3	3.5	4	2.5	4	3	3	4	8	10	17
26	2.5	3.5	4	5.5	5.5	6	5.5	7	5	4	15	9.5
27	8	2	3	4	2.5	1	.5	2.5	8.5	8	14	13
28	1	1.5	2	2.5	2.5	4.5	4	4	2.5	13	20	18
29	2	.5	1	2.5	1	1	2.5	6	6	6	15	16
30	8	8	1	1	0	.5	.5	1	4	6	16	13.5
Mean	4.2	3.3	2.6	2.8	2.5	2.4	2.3	3.4	5.4	9.5	16.5	14.8

AMOUNT OF CLOUDS (0-10)

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.	
														h.	*m.*
1	1	0	3	3	4	4	4	3	3	3	5	1	2.8	9	45
2	2	0	3	3	4	4	4	4	4	7	8	8	4.2	6	15
3	10	9	7	7	5	5	4	3	4	3	5	6	5.7	7	50
4	7	4	5	5	5	9	8	8	4	5	4	8	6	6	55
5	2	1	1	4	4	3	4	3	3	4	3	4	3	10	20
6	9	9	8	6	5	3	4	3	4	4	6	8	5.8	7	15
7	4	1	1	5	8	9	7	6	7	7	2	2	4.9	7	35
8	3	5	7	7	6	5	4	5	3	3	4	2	4.5	8	05
9	1	3	3	7	8	7	9	6	6	8	4	6	5.7	6	25
10	5	7	8	8	5	4	2	2	3	2	3	2	4.2	8	15
11	3	7	7	6	6	9	9	9	8	8	7	7	7.2	4	40
12	2	4	3	8	7	4	3	4	3	2	1	2	3.6	9	35
13	1	2	2	2	2	2	2	2	1	2	2	2	1.8	10	50
14	0	0	1	1	1	1	1	2	2	2	1	4	1.3	10	40
15	0	0	0	1	1	2	2	2	2	3	3	1	1.4	11	05
16	2	1	1	1	3	4	2	4	3	4	3	2	2.5	10	35
17	0	1	1	1	2	3	3	3	3	3	3	3	2.2	11	15
18	2	3	5	5	4	3	4	3	3	3	2	2	3.2	10	15
19	6	4	5	5	5	4	1	2	1	1	2	2	3.2	10	10
20	1	1	2	2	2	3	1	1	1	1	1	1	1.4	11	20
21	1	1	1	1	1	2	2	1	2	1	3	2	1.5	11	30
22	2	1	2	3	2	3	3	3	2	2	2	2	2.2	11	15
23	1	1	1	1	2	2	3	3	3	4	4	4	2.4	9	55
24	1	1	1	4	4	4	4	2	3	3	4	4	2.9	11	05
25	1	1	1	2	3	5	4	4	7	7	5	7	3.9	9	05
26	3	1	1	2	3	3	3	5	5	3	4	4	3.1	10	30
27	1	0	2	2	3	4	4	4	3	1	0	0	2	11	45
28	3	1	1	1	2	1	3	3	2	4	2	4	2.2	11	10
29	4	1	4	4	5	4	3	3	2	2	2	1	2.9	9	55
30	5	1	2	4	4	3	3	3	3	4	3	2	3.1	10	40
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	285	55
Mean	2.8	2.4	3	3.7	3.9	4	3.7	3.5	3.3	3.5	3.3	3.4	3.4	9	32

WIND—VELOCITY IN KILOMETERS PER HOUR

Noon-1 p.	1-2 p.	2-3 p.	3-4 p.	4-5 p.	5-6 p.	6-7 p.	7-8 p.	8-9 p.	9-10 p.	10-11 p.	11-mdt.	Mean.
13.5	**17.5**	15	13	12.5	10.5	6.5	5.5	4	3	2.5	2.5	6.6
15.5	15	14	13.5	9.5	11	10	9.5	6.5	3	2	2	8
10.5	10.5	8.5	10	12	12	**13**	11	10.5	8.5	7	5.5	6.6
13	7	7	11.5	17.5	17	14	13	10	6	4	7	8.1
16	14	15	12	**20**	19	15	14	8.5	7.5	5	6	10.2
11	11	11	10	10	8.5	6.5	8.5	5.5	5	4	5.5	6.9
13.5	12.5	9	11	14	13	12	8.5	6.5	5.5	5.5	4	8.4
16	13.5	10.5	10	16	14	13	11	7	7	9	3	9
12	10.5	12	9.5	2	3	11	8	4	3.5	.5	5	6.1
17	18	14.5	16.5	13.5	9.5	9.5	9.5	8	7.5	3.5	0	8.2
14	8	5.5	4.5	6.5	9.5	6	3	3	8	11	6.5	**6**
15	14	**19**	17	17	12	11.5	8.5	4.5	6.5	5	4	7.8
18	15	13	16	15	12	9.5	7.5	8.5	8.5	8	6	10
13	10	9.5	8.5	9	11	11	12	11	10	9	9	8.2
14	15	12	14	13	13	9	8	13	9	2	5	7.8
12	14	18	16	16	19	11	14	9.5	12.5	7	3	9.9
17	18	12	16	11	12	10.5	11.5	11	10.5	10.5	2.5	9.4
18	12	16	17	**21**	19	14.5	14.5	16	11	10	7	9.2
8.5	20.5	**23.5**	19.5	22	12.5	11.5	5	4	5	6	7.5	8.4
17	14.5	21	**26.5**	23	17.5	12	9	8	8	10	10.5	10.5
23.5	**26**	22	23	20	15	11.5	9.5	11	12	11	10	**11.4**
16.5	**22.5**	20	20	16	14	11	11	11	6	2	1.5	9.1
19	18	14	12	14	14	14	10	5	3	3.5	3.5	8.5
16	12	14.5	**20.5**	19	18	11.5	9.5	8.5	8.5	6	7	9.3
21	18	**26**	19	16.5	13.5	12	11	8.5	8	7.5	3.5	9.6
13.5	14.5	11	12	**18.5**	13	9	7.5	11.5	13	10	9	9
14.5	14.5	13	11	**15**	12	11	13.5	11	6.5	5.5	4	8.3
18.5	15.5	**20**	11	17	11	10	13	15	10	9.5	5	9.6
14.5	13.5	17	20	**24**	21	13	11	8	12	11	8	9.7
14.5	22	**24**	23	23	17.5	9.5	9	10	12	11	10	10.2
15.2	14.9	14.9	14.8	15.4	13.5	11	9.9	8.6	7.9	6.6	5.4	8.7

FREQUENCY OF THE WIND

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	.....	.....	6	.....	1	1	4	2	.....	2	2	3	1	.....	.....	.....	2	158.5	6.3	.....
2	2	2	1	.....	1	3	3	.....	.....	.....	.....	5	1	.....	.....	1	5	191	5.5	.....
3	.....	.....	.....	.....	1	1	11	1	.....	.....	1	3	.....	.....	.....	.....	6	158.5	6.5	.....
4	1	1	1	.....	.....	7	5	.....	.....	.....	1	.....	2	1	1	.....	4	193.5	6	.....
5	.....	1	1	2	1	5	1	1	1	2	2	1	2	4	.....	.....	.....	245	6.8	.....
6	1	2	.....	2	3	5	3	1	.....	.....	2	2	1	2	.....	.....	.....	166.5	6.6	.....
7	.....	.....	1	3	5	4	4	.....	.....	.....	.....	1	3	3	.....	.....	.....	202.5	6.2	.....
8	.....	.....	.....	1	2	1	11	1	1	.....	1	1	1	3	.....	.....	1	216	6.9	.....
9	.....	.....	3	1	2	4	2	.....	.....	.....	.....	1	2	4	.....	.....	5	146	**4.4**	**0.9**
10	.....	1	1	2	2	5	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	197	7.5	.....
11	2	3	1	1	.....	1	3	.....	.....	1	.....	.....	5	1	1	1	4	**143.5**	4.6	.....
12	2	3	2	.....	2	8	4	1	.....	.....	.....	.....	1	.....	.....	.....	1	186.5	7.5	.....
13	.....	.....	.....	.....	2	9	12	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	239	9	.....
14	.....	1	3	.....	3	1	8	1	.....	.....	.....	3	3	.....	2	.....	1	198	7.5	.....
15	1	.....	1	1	1	1	12	1	.....	.....	1	1	1	.....	.....	.....	3	188	8.4	.....
16	.....	.....	1	1	2	4	10	.....	.....	.....	.....	1	2	.....	.....	.....	1	237	8	.....
17	.....	.....	3	.....	3	5	5	.....	.....	.....	.....	.....	2	2	2	.....	2	226.5	7.9	.....
18	.....	.....	2	.....	1	1	9	2	.....	1	1	1	1	.....	1	.....	4	220.5	9.1	.....
19	1	1	3	.....	2	3	9	.....	.....	.....	2	.....	.....	1	1	.....	1	202.5	8.8	.....
20	2	.....	2	3	2	5	5	1	.....	.....	.....	1	2	.....	1	.....	.....	252	**10**	.....
21	.....	.....	2	2	6	7	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**272.5**	**10**	.....
22	1	.....	3	1	.....	5	6	.....	.....	.....	1	.....	1	1	1	.....	4	218.5	9	.....
23	.....	1	2	.....	1	4	3	1	.....	1	.....	.....	3	5	.....	.....	3	204.5	7.6	.....
24	.....	.....	4	5	.....	2	8	.....	.....	.....	.....	.....	3	2	.....	.....	.....	223	8.5	.....
25	.....	.....	3	2	1	11	2	.....	1	.....	.....	.....	.....	.....	.....	.....	4	230.5	8.8	.....
26	.....	1	5	.....	.....	.....	9	.....	.....	.....	.....	1	3	2	1	.....	2	215.5	8.1	.....
27	.....	.....	2	1	1	1	8	1	.....	.....	2	1	3	.....	1	.....	3	198.5	8.7	.....
28	.....	.....	6	.....	1	.....	6	.....	1	.....	.....	2	4	2	.....	.....	2	231	7.7	.....
29	2	.....	3	.....	3	6	1	3	.....	.....	.....	.....	3	.....	1	.....	2	232.5	7.8	.....
30	.....	.....	6	1	1	9	3	.....	.....	.....	.....	.....	2	.....	1	.....	1	245	8.3	.....
Total	15	17	68	29	50	119	182	18	4	7	16	28	52	33	14	2	66	6,239.5	228	0.9
Mean	0.5	0.6	2.3	1	1.7	4	**6.1**	0.6	**0.1**	0.2	0.5	0.9	1.7	1.1	0.5	**0.1**	2.2	208	7.6	0

EXTREME VALUES

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°*C.*		*Per cent.*	*mm.*	*mm.*		°*C.*		*Per cent.*	*mm.*
1	761.20	9.20a.	34.5	2.35p.	**96**	22.6	757.50	3.05p.	22.8	5.55a.	49	18.5
2	61.75	8.30a.	**34.2**	3.15p.	91	21.5	58.51	3.00p.	24	4.45a.	54	20.2
3	61.30	8.20a.	35.8	3.25p.	90	22.2	56.80	4.20p.	24.4	3.15a.	46	18.6
4	60.74	9.00a.	34.5	3.20p.	88	21.2	57.45	3.10p.	23.8	5.10a.	53	19.1
5	61.30	8.45a.	35.7	3.10p.	86	21.8	57.85	3.10p.	23.3	6.15a.	46	18.4
6	62	8.55a.	35.2	3.55p.	90	21.1	58.40	3.45p.	**24.5**	3.10a.	46	18.9
7	61.70	8.15a.	35.1	2.25p.	83	20.1	57.90	3.45p.	23.7	5.45a.	51	17.8
8	60.25	7.50a.	35.1	4.05p.	80	20.3	57.13	4.00p.	23.7	5.10a.	48	17.9
9	59.95	8.20a.	35	1.55p.	87	**24.4**	56.65	3.30p.	22.2	5.55a.	53	17.6
10	**59.38**	9.00a.	37.2	3.15p.	91	21.7	**55.85**	3.45p.	23.7	5.35a.	41	17.7
11	59.70	9.20a.	**34.2**	3.35p.	90	22.6	56.10	4.40p.	**24.5**	5.50a.	**58**	**20.4**
12	59.55	9.05a.	37	2.10p.	94	22.4	55.90	3.40p.	24.1	5.50a.	45	17.8
18	60	9.05a.	36.8	2.40p.	86	19.9	55.90	4.05p.	23.7	5.55a.	34	15
14	60.39	9.00a.	36.7	3.30p.	89	19.6	56.89	4.00p.	22.3	4.55a.	42	17.8
15	60.92	8.00a.	37.5	3.05p.	88	20.2	57.38	4.00p.	23	5.45a.	37	17.9
16	60.90	8.35a.	**37.7**	2.20p.	81	20.8	57.30	4.40p.	23.7	11.55p.	**33**	14.9
17	60.70	9.40a.	36.5	3.35p.	**77**	19.4	57.10	4.15p.	**19.8**	5.40a.	36	**13.6**
18	60.55	9.15a.	37.2	2.40p.	86	21.8	56.70	4.35p.	24	5.50a.	43	18.6
19	61.35	10.15p.	36.7	1.15p.	87	21	58.15	3.50p.	23.3	5.35a.	40	16.7
20	**62.55**	8.35a.	35.9	2.20p.	78	18.1	**58.65**	4.05p.	21.9	5.55a.	36	14.1
21	62.35	7.00a.	36.2	1.10p.	84	**17.2**	58.15	4.05p.	21.1	5.45a.	35.5	14.8
22	61.35	9.15a.	37.2	2.45p.	81	20.9	57.77	4.00p.	21.5	5.45a.	39	16.1
23	62.05	8.35a.	36.1	4.10p.	84	20.7	58	4.35p.	21.8	5.45a.	44	16.8
24	62.25	8.25a.	36.1	3.10p.	81	20.1	58.24	4.00p.	22.1	5.40a.	39.5	16.8
25	61.78	8.00a.	37.2	2.55p.	83	19.2	57.82	3.00p.	21.9	5.25a.	33.5	15.1
26	60.81	9.00a.	35.8	3.55p.	83	20.5	57.15	4.00p.	22.6	5.30a.	38	15.9
27	60.20	8.35a.	36.7	3.55p.	85	19	56.10	4.10p.	22.8	5.50a.	38.5	15.7
28	59.80	9.35a.	36	3.40p.	81	21.6	55.98	4.00p.	22.5	5.55a.	47	16.6
29	60.20	8.15a.	36.8	2.40p.	86	21.5	56.25	4.10p.	23.7	5.45a.	41.5	18
30	60.55	9.10a.	36.7	1.30p.	83	21.4	56.75	3.30p.	22.1	5.40a.	45.5	16.8
Mean	760.92	....	36.1	....	85.6	20.8	757.21	....	23	....	43.1	17.1

DAILY GENERAL REMARKS

1....Fair weather.
2....⌒, ⌈↯ S in the afternoon.
3....Cloudy weather.
4....As yesterday.
5....↯ N in the evening.
6....Cloudy weather.
7....↯° N in the evening.
8....⌒ in the morning; ↯° N quadrant in the evening.
9....p° in the afternoon.
10....Coloration of clouds at sunrise; ↯° N quadrant in the evening.
11....Coloration of clouds at sunrise.
12....Cloudy weather.
13....Fair weather.
14....As yesterday.
15....Fair weather.
16....Do.
17....As yesterday.
18....Cloudy weather.
19....Somewhat gusty SE winds in the afternoon.
20....As yesterday.
21....Do.
22....Do.
23....↯ SE quadrant in the evening.
24....Somewhat gusty SE winds in the afternoon.
25....As yesterday.
26....Cloudy weather.
27....Fair weather.
28....As yesterday.
29....Somewhat gusty SEly winds in the afternoon.
30....As yesterday.

OBSERVATIONS FOR MAY, 1919

ATMOSPHERIC PRESSURE, $700^{mm}+$

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	59.40	59.25	59.20	59.25	59.45	59.91	60.21	**60.53**	60.20	59.73	59.31	58.76
2	60	59.65	59.55	59.40	59.65	60.10	**60.72**	60.54	60.27	60.05	59.66	59
3	**60.30**	59.55	59.45	59.40	59.55	59.77	60.07	60.11	60.15	59.80	59.66	58.89
4	59.65	59.45	59.10	59.10	59.30	59.74	60.29	60.36	60.22	60.17	59.92	59.47
5	60.30	60	59.80	59.50	59.95	60.56	61.14	61.28	**61.31**	61.27	60.82	60.31
6	60.20	60.10	60.15	60.10	60.30	60.56	60.97	61.36	**61.40**	61.01	60.67	60.15
7	59.75	59.55	59.20	59.40	59.55	59.99	60.41	60.60	**60.68**	60.53	59.91	59.22
8	59.10	58.80	58.55	58.40	58.70	59.25	59.30	59.52	59.67	59.57	59.21	58.80
9	59.75	59.15	58.85	58.90	59.15	59.49	59.89	59.88	**60.02**	59.87	59.50	58.88
10	59.20	58.40	58.40	58.35	58.70	58.86	59.43	**59.97**	59.82	59.69	59.27	58.62
11	57.85	57.35	57.30	57.45	57.50	58.09	58.58	58.94	58.82	58.60	58.33	57.59
12	57.95	57.70	57.20	57.35	57.60	57.83	58.74	58.89	**58.97**	58.91	58.31	57.59
13	58.20	57.80	57.55	57.70	57.85	58.37	58.59	58.83	58.80	58.42	57.95	57.27
14	**58.95**	58.80	58.10	57.90	58.15	58.25	58.54	58.67	58.69	58.54	58.21	57.85
15	57.90	57.40	57.10	57.10	57.20	57.42	57.58	57.73	58.08	58.21	**58.26**	57.61
16	57.15	56.70	56.55	56.65	56.60	56.85	57.31	57.69	57.85	57.70	57.37	56.92
17	57.35	57	56.80	56.70	56.85	56.83	57.12	57.83	57.80	57.73	57.45	56.65
18	56.85	56.30	56	56.20	56.40	56.91	57.46	57.61	57.78	57.32	56.94	56.37
19	57.30	57.10	56.85	56.85	56.90	57.18	57.71	57.86	57.86	57.50	57.05	56.52
20	57.30	57	56.80	57.10	57.70	58.32	58.87	59.17	59.16	58.91	58.68	57.95
21	59.15	58.95	58.60	58.40	58.60	58.81	59.34	59.69	59.73	59.52	59.12	58.74
22	**59.55**	58.85	58.60	58.45	58.60	58.93	59.25	59.33	59.41	59.33	59.06	58.57
23	58.45	58.35	58	58	58.35	58.78	59.50	59.72	**59.78**	59.34	58.78	58.26
24	58.30	57.90	57.80	57.80	57.80	58.27	58.66	58.91	**59.23**	59.19	58.72	58.32
25	58.15	58.05	57.80	57.75	58.10	58.48	59.23	59.61	**59.78**	59.68	58.95	58.57
26	58.50	57.80	57.60	57.45	57.60	57.83	58.19	58.61	**58.66**	58.38	58.22	57.47
27	56.35	56.35	56.20	55.75	56.25	56.83	57.34	57.34	57.48	57.43	57.22	56.65
28	56.85	56.25	56.05	55.90	55.95	56.39	57.05	57.42	**57.71**	57.67	57.07	56.33
29	56.95	56.45	56.25	56.60	56.30	56.77	57.03	57.07	57.38	57.44	57.40	56.92
30	58.20	57.65	57.30	57.25	57.25	57.35	57.40	57.93	58.20	57.99	57.79	57.51
31	59.05	58.40	58.45	58.25	58.35	58.25	58.54	59.06	59.24	**59.43**	59.22	58.57
Mean	58.51	58.13	57.91	57.88	58.07	58.42	58.85	59.10	**59.17**	59	58.65	58.08

TEMPERATURE (°C.)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	23.9	22.8	23.2	22.8	21.8	**21.6**	26.1	30.2	32.4	34	33	33.4
2	25.7	25.6	25.3	24.4	23.9	**23.5**	27.4	30.5	31.1	33	32.8	32.9
3	25.1	24.4	24.5	24	**23**	23.6	27	30	31.9	33.9	34.3	34.1
4	25	24.3	25.3	23.8	23.5	**23.3**	27.5	30.8	32	32.5	32	32.8
5	25	24.7	24.3	23.9	23.9	**23.8**	27.1	30.3	29.6	30.9	30.8	33.6
6	26.4	25.3	24.7	24.2	23.9	**23.8**	27.6	30.9	31.7	31.6	34.5	35.1
7	26	25.1	24.7	24	24.2	**23.8**	27.8	31.6	32.8	32.3	35.4	35.5
8	25.9	25.1	24.4	24.1	23.5	**23.3**	27.1	30.9	32.9	31.6	31.8	33.2
9	25.4	25.3	24.8	24.5	24.2	**24.1**	27.5	30.8	32.7	32.7	33.7	34.5
10	27.5	26.9	25.7	24.7	**24.3**	24.9	28.2	29.9	31.7	30.7	31.5	33.4
11	26.8	25.9	25.5	25.2	24.8	**24.6**	27.7	30.5	32.9	33.8	**35**	34.3
12	25.5	25.9	25.9	25.5	**25.4**	25.7	26.7	30	32	32.5	35	35.7
13	26.1	25.8	25.8	25.9	25.9	25.9	28.6	30	29.9	33.4	35	35.3
14	**22.9**	**22.9**	23.4	23.4	24.1	24.4	25.2	27.3	29.9	30.8	30.5	32.5
15	**24.8**	24.9	25	24.9	**24.8**	25	26.4	29.1	30.2	31.1	31.5	32.6
16	26.4	26	25.8	25.8	**25.4**	25.5	28.4	30.5	30.5	31.8	32.7	32.9
17	27	26.5	26.3	26.1	**26**	**26**	28.6	29.4	31.2	32.3	32.9	**33.9**
18	27.1	26.5	26.2	26	**25.5**	**25.5**	28.7	30.9	30.6	32.7	32.4	33.5
19	27.6	27	26.5	26.3	26.1	26.1	29.3	30.9	32.4	34	34.2	**35.2**
20	25.1	**25**	25.1	25.4	25.4	25.1	25.9	28.1	29.5	31.5	32	33.2
21	26.2	26	26.1	26	25.8	26.1	29.2	30.9	32	31.7	33	34.5
22	**24.6**	24.7	24.8	24.8	24.8	25	27.1	28.6	30.9	32.5	31.4	32
23	26.2	26	25.9	25.7	**25.5**	**25.5**	26.3	30	29	31.5	31.5	32.3
24	26.7	26.5	26.1	26	26	26.4	27.2	30.3	29.3	29.7	31.7	32.2
25	25.8	25.9	25.7	25.5	25.3	**25.2**	26.6	28.7	29.3	30.9	32	32.3
26	26.6	26	25.6	**25.5**	**25.5**	25.6	26.9	29.9	30.6	31	31	32.2
27	27.1	26.7	26.6	26.3	26	25.8	28.2	30.2	29.8	31.3	31.8	32.3
28	24.9	24.9	24.9	25.1	25.1	25.3	27.8	29.5	30.9	30.6	31.5	29.3
29	24.9	24.8	**24.7**	25	25	25.2	27.7	28.2	30.1	32.1	32.4	**33.8**
30	25.2	25	24.9	24.9	**24.6**	**24.6**	27.9	30.5	30	31.4	32.5	33.1
31	26.7	26.5	26.4	**26**	**26**	**26**	26.9	29.5	30.8	32	32	32.1
Mean	25.8	25.4	25.3	25	**24.8**	**24.8**	27.4	30	31	32	32.6	33.3

ATMOSPHERIC PRESSURE, $700^{mm}+$

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
58	57.37	**57.09**	**57.09**	57.19	57.72	58.15	58.75	59.10	59.60	59.90	59.85	58.96
58.46	57.62	56.92	56.53	**56.44**	57.08	57.95	58.70	59.60	60.55	60.70	60.50	59.15
58.30	58.55	58.16	**58.15**	58.34	58.51	58.95	59.10	59.65	59.95	59.95	60	59.35
58.75	57.99	**57.89**	57.98	58.03	58.49	59	59.55	59.95	60.50	**60.55**	60.45	59.41
59.61	59.05	58.82	**58.67**	58.80	59.53	60.05	60.50	60.75	60.95	60.75	60.45	**60.17**
59.30	58.74	58.34	**58.25**	58.34	58.79	59.29	59.80	60.15	60.60	60.30	60.10	59.96
58.60	57.88	57.08	**56.64**	56.72	57.47	58.43	58.90	58.95	59.40	59.45	59.45	59.07
58.09	57.20	56.92	**56.80**	56.99	57.78	58.49	58.75	59.20	59.55	**60.20**	60.15	58.71
58.12	57.51	56.84	**56.61**	56.79	57.58	57.88	58.60	59.15	59.65	59.90	59.75	58.82
57.76	56.65	56.28	**56.23**	56.39	56.68	57.42	57.75	58.10	58.25	58.25	57.90	58.18
56.59	56.20	55.80	**55.78**	55.97	56.69	57.60	58.15	58.90	**59.30**	59.20	58.60	57.72
56.73	56.02	55.78	**55.68**	56.66	56.25	56.86	58.05	58.55	58.85	58.95	58.45	57.66
56.67	56.06	56.33	**56.01**	56.24	56.91	57.60	58.05	58.70	58.75	**59.65**	59.55	57.83
56.72	56.21	55.91	56.08	**55.74**	56.35	57.09	57.70	58.05	58.60	58.85	58.20	57.76
56.96	56.15	**55.74**	55.80	55.92	56.18	56.80	57.20	57.30	57.70	57.75	57.55	57.19
56.36	55.94	**55.30**	55.32	55.42	56.01	56.62	57.05	57.60	**57.95**	57.80	57.55	56.84
56.14	55.53	**55.10**	55.14	55.49	56.21	56.95	57.20	57.60	57.65	**57.95**	57.45	56.86
56.01	55.49	55.10	**54.92**	55.24	56.08	56.45	57.05	57.45	57.50	**57.80**	57.65	56.62
56.31	55.89	**55.44**	55.50	56.14	56.87	57.67	57.85	58.30	**58.70**	58.60	57.90	57.16
57.51	56.80	56.22	**55.94**	56.96	57.56	57.86	58.70	59.20	59.40	**59.55**	59.25	58
57.83	57.12	56.69	**56.45**	57	57.76	59.35	60.20	60.40	**60.85**	60.55	60	58.87
57.71	56.95	57.04	**56.26**	57.16	57.99	58.68	59.10	59.35	59.20	59.20	58.85	58.56
57.09	56.87	56.34	**56.31**	57.14	57.61	58.11	58.60	58.95	59.05	59.05	58.85	58.30
57.65	57	**56.95**	57.43	57.55	58	58.48	58.70	58.75	58.75	58.80	58.60	58.23
57.72	57.16	**56.71**	56.75	57.22	57.70	58.05	58	58.65	59	59.10	58.75	58.29
57.01	56.25	55.83	**55.50**	56.30	56.50	57.11	57.30	57.50	57.50	57.35	56.90	57.39
55.90	55.38	**54.70**	54.80	55.33	55.71	56.15	56.90	57.25	**57.50**	**57.50**	57.25	**56.48**
55.72	54.92	54.63	**54.60**	55.02	56.05	56.93	57.45	57.30	57.20	57.55	57.40	**56.48**
56.26	55.90	55.82	**55.72**	56.49	56.58	57.24	58.05	58.50	58.60	**58.65**	58.60	57.04
56.66	56.20	55.69	**55.39**	55.91	56.32	57.05	57.55	58.25	58.75	**59.10**	59	57.40
57.90	57.37	57	**56.54**	56.70	57.11	57.35	58.10	58.50	58.90	59.05	59.05	58.27
57.37	56.77	56.40	**56.29**	56.63	57.16	57.79	58.30	58.70	58.99	59.10	58.84	58.09

TEMPERATURE (°C.)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
35.6	36.2	**36.5**	36.3	34.8	31.7	30.3	29.3	28.4	27.6	27.3	26.7	29.4
34.3	35.1	**36.1**	35.1	33.2	31.9	30.5	29.2	28.3	27.5	26.7	25.4	29.6
35	31.7	32.6	32.6	31.8	29.9	28.9	27.8	27.1	26.7	26.2	25.5	28.8
32.6	33.5	32	**34.2**	33.5	30.9	29.6	28.7	27.7	27.3	26.8	25.6	29
35.7	**36.3**	36.2	35.9	34.5	31.2	29.5	28.7	27.6	26.7	26.1	26.4	29.3
35.8	34.2	33.7	33.8	33.2	31.4	29.9	29.1	27.9	27.7	27.4	26.5	29.6
36.3	36.5	**37**	35.4	33.7	30.9	29.8	29.1	28.2	27.8	27.5	26.9	**30.1**
34.7	**35.7**	35.5	34.8	33.3	31.8	30.3	29.2	28.6	28.1	27.6	26.4	29.6
33.1	33.6	**36.3**	35.9	34.1	31.6	30.3	29.5	29	28.8	28.6	27.9	30
34.2	**36.3**	35.8	33.3	32.7	31.5	30.2	29.3	28.8	28.6	28.1	27.6	29.8
34.1	34.1	33.9	33.5	30.8	30	29.5	29.3	29.2	26.1	25.5	25.4	29.5
36.7	35.6	33.6	32.5	28.7	28.4	28	27.7	28.1	27.4	27.3	27	29.4
36	**36.5**	32.2	31.6	31.2	30.2	29.7	29.6	29	27.8	**22.9**	23	29.5
33.3	**33.7**	33.2	33.4	31.6	30.2	29.8	29.2	29.1	25.6	25.7	25	28.2
32.9	**33.6**	33	33	31.8	30.2	30.1	28.7	28.2	27.3	26.6	26.4	28.8
32.3	**33.7**	**33.7**	33.3	32.3	30.4	29.9	29.9	29.7	29.2	28.8	27.7	29.7
33.5	33.6	33.8	32.9	31.5	30.8	30.2	30	29.6	29.5	29.1	28	29.9
33.4	**34.3**	33.3	32.5	31.5	30.5	30	29.7	29.4	29.3	29.3	29.2	29.9
29.7	30.5	32.1	31.5	29.8	26.4	25	25.1	**24.7**	26.1	26	25.5	28.7
33.3	32.4	32.2	31.6	31	30.5	29.8	29.8	29.6	28.4	27.2	26.3	28.9
35.8	35.4	34.2	33.5	32.6	31.1	28.2	**24**	24.1	24.2	24.3	24.5	29.1
32.8	**34**	30.1	30	29.7	28.9	26.7	25.9	26.7	26.3	26.4	26.3	28.1
33	**33**	32.1	32.3	31.5	31	30.1	28.7	28.1	27.4	27	26.8	29
33.2	**33.8**	32	31.2	29.7	29.1	28	**25.5**	25.8	25.6	25.8	25.8	28.5
32.7	32.3	32.1	31.5	30.6	29.6	28.2	27.5	26.9	26.8	26.5	26.6	28.5
32.8	**32.8**	32.7	32.7	32	30.5	30	29.7	28.9	28.8	28.2	27.4	29.3
32.3	**32.6**	32.3	31.8	30.4	29.8	29.5	25.8	**24.6**	24.7	25	24.9	28.6
30.2	32.2	**32.7**	30.8	29	28.1	27.1	**24.7**	24.9	24.8	25	24.9	27.7
32.1	29.5	27.7	28.3	26.8	25.3	25.3	25.3	25.3	25.3	25.2	25.2	**27.3**
33.6	**33.6**	32.9	31.4	30.5	29.9	29.1	28.8	28.8	28.2	27.3	26.7	29
33.9	31.8	31.3	32.1	30.7	29.4	28.3	27.8	27.2	26.7	26.6	26.1	28.9
33.7	**33.8**	33.3	32.9	31.6	30.1	29.1	28.1	27.7	27.2	26.7	26.2	29.1

RELATIVE HUMIDITY (%)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	81	83	81	83	**85**	84	69	56	45.5	39	47	43
2	76	71	73	79	80	**83**	70	62	61	56	54.5	55
3	78	80	78	79	**83**	80	67	59	53	43	**41**	46
4	78	79	74	83	**85**	**85**	66	56	54	55	55	52
5	80	80	82	85	85	**86**	73	62.5	64	59	63.5	55
6	71	78	82	84	**86**	83	69	57	59	61	54	48
7	77	82	83	84	83	**85**	71	54.5	47	54	44	42
8	76	79	82	81	81	**83**	67	57	51	58	55	53
9	75	75	79	79	82	**84**	68	57	53	54	52	51
10	73	75	81	84	**86.5**	83	70	66	58	63	61	53
11	77	80	82	83	84	87	74	62	53	49	**43**	49
12	90	88	88	88	**92**	90	84	68	59.5	56	51	45
13	85	85	84.5	83	85	82	74	73	71	53	46	49
14	**97**	96	95	96	96	94	92.5	84	71	67	70	65
15	92	92	93	**94**	92	92	86	77	71	71	63	61
16	86	**89**	88	86	88	88	75	70	68	65	65	65
17	89	90	90	**93**	92	92	80	75	69	66	65	59
18	86	88	89.5	90	**92**	**92**	78	71	70	65	64.5	58
19	86	89	91	92	93	94	81	75	64	54.5	55	**51**
20	**97**	96	96	96	95	96	93	85	80	70	66	**61.5**
21	91	93	91	91	93	92	81	76	68	71	66	55
22	**97**	96	95	96	95	95	87	80	70	63	75	69
23	91	92	92	93	94	**95**	92	77	81	73	73	67
24	90	90	93	94	94	92	89	74	81	80	70	67
25	**95**	**95**	**95**	**95**	94	**95**	90	81	79	72	65	**62**
26	89	94	95	95	**96**	95	90	75	68.5	70	71	66
27	90	92	92	94	93	93	81	74	77	73	72	71
28	96	97	**98**	97	97	96	84	76	69	73	71	83
29	96	**97**	**97**	96	**97**	96	87	87	76	67	65	**60**
30	94	95	94	94	**96**	**96**	78	66	69	66	62	61
31	91	88	90	91	**92**	91	87	76	71	64	64	66
Mean	86.1	87.2	87.9	89	**89.9**	89.6	79.1	70	65.5	62.3	60.3	57.7

VAPOR PRESSURE (mm)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	17.8	17	17.1	17	16.5	16.1	17.3	17.8	16.4	15.4	17.4	16.5
2	18.6	**17.4**	**17.4**	18	17.6	17.8	18.9	20.2	20.3	**21.1**	20.1	20.3
3	18.5	18.2	17.8	17.5	17.3	17.3	17.7	18.5	18.5	16.9	**16.6**	18.3
4	18.3	17.9	17.8	18.2	18.2	18.1	18.1	18.5	19.2	**19.9**	19.4	19.3
5	18.9	18.5	18.6	18.7	18.7	18.9	19.5	20	19.9	19.7	20.9	**21.1**
6	18.2	18.7	18.9	18.8	18.9	18.2	19	18.9	20.4	21.1	**21.8**	20.2
7	19.2	19.4	19.1	18.6	18.7	18.6	19.8	18.8	17.3	19.4	18.9	18
8	18.9	18.6	18.5	18	17.5	17.6	17.8	18.9	18.8	**20**	19.3	19.9
9	18.1	18	18.5	18.1	18.5	18.7	18.7	18.9	19.4	20	20.2	20.6
10	19.8	19.6	19.8	19.5	19.5	19.3	20	20.7	20.2	20.6	**20.9**	20.1
11	20.1	19.9	19.9	19.7	19.6	19.9	20.5	20.2	19.6	19.3	**18.2**	19.8
12	21.8	21.8	21.8	21.4	22.1	22.1	21.9	21.4	21	20.5	21.3	**19.4**
13	21.4	21.1	20.8	20.6	21.2	20.4	21.5	**22.9**	22.2	20.4	**19.2**	20.7
14	20	**19.8**	20.3	20.4	21.4	21.3	22	22.7	22.2	22.2	22.8	23.5
15	21.3	21.6	22	22	21.5	21.6	21.9	23.1	22.8	**23.7**	21.6	22.2
16	22	22.1	21.9	**21.2**	21.3	21.4	21.6	22.6	22.2	22.8	24	24.2
17	23.5	23.2	22.9	23.3	22.9	22.9	23.4	22.9	23.2	23.8	**24.2**	23.3
18	22.8	22.6	22.6	22.5	22.2	22.2	22.9	23.4	23	23.8	23.3	22.5
19	23.6	23.5	23.4	23.3	23.3	23.4	24.6	**25**	23.2	21.5	21.8	**21.4**
20	22.9	**22.5**	22.7	23.1	22.9	22.7	23	24.1	**24.5**	24.1	23.4	23.3
21	23	23.1	22.9	22.7	22.8	23	24.3	**25.4**	24	24.6	24.7	22.3
22	22.2	22.2	22.1	22.3	22.1	22.4	23.1	23.4	23.2	23.1	**25.5**	24.4
23	23	22.9	22.8	22.7	22.8	23	23.3	24.4	24	**25.2**	25	24.1
24	23.3	23.2	23.3	23.3	23.5	23.5	23.8	23.8	24.6	24.8	24.5	23.9
25	23.5	23.6	23.3	23	22.6	22.6	23.4	23.7	23.8	23.8	23	**22.4**
26	23	23.3	23.2	23	23.2	23.2	23.6	23.6	22.3	23.3	23.6	23.7
27	23.9	23.9	23.8	23.7	23.1	23.1	23	23.7	24.1	24.9	25.3	**25.4**
28	**22.4**	22.6	22.8	22.9	22.9	23	23.2	23.2	22.8	23.8	24.3	**25.1**
29	**22.4**	22.5	22.5	22.5	22.8	22.8	23.9	**24.6**	24.1	23.8	23.6	23.6
30	22.4	22.4	22	22	22	22	21.8	**21.4**	21.8	22.7	22.4	22.9
31	**23.7**	22.6	22.9	22.7	22.9	22.7	22.9	23.2	23.4	22.7	22.7	23.3
Mean	21.2	21.1	21.1	**21**	**21**	**21**	21.5	**21.9**	21.7	**21.9**	**21.9**	21.8

RELATIVE HUMIDITY (%)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
36	33	33	**27**	37	47	53	60	65	69	72	75	**58.5**
48	46.5	**42.5**	47.5	49	53	60	62	63	68	71	77	62.8
41	54	50	48	49	54	58	63	67	68	72	75	61.9
54	49	53	**43**	44	52	56	61	69	72	72	78	63.5
41	41	**40**	43	41	48	57	61	67	71	73	70	63.7
45	52	49	50	46	49	55	59	68	69	69	75	63.2
38.5	38	**37**	41	47	58	62	65	70	71	71	72	61.6
47	**42**	44	**42**	44	47	55	60	64	66	68	72	61.4
56	54	**37**	38	45	54.5	60	64	65	67	67	70	62
51	**38.5**	40	46	46	52	58	63	67	69	72	72	63.7
49	50	56	56	65	69	73	76	75	86	90	**91**	69.1
44	48	59	57	70	70	74	81	78	81	82	81	71.9
45	**45**	54	60	61	70	71	75	73	76.5	93	**97**	70.5
62	**59**	61.5	59.5	68	71	73	78	76	84	88	90	78.9
52	56	61	62	66	73.5	70	73	75	80	85	86	76
61.5	**57**	61	62	68	73	77	73	74	78.5	82	87	74.5
60	**58**	60	60	67	71	72	73	75	75	77	83	74.6
58	**51**	59	65	68	70	73	77	77	77	79	79	74
75	68	66	70	77	90	**97**	**97**	**97**	92	92	94	80.9
62	65	68	68	69	70	74	75	77	85	90	92	80.3
51	54	58	64	68	71	77	**97**	**97**	**97**	**97**	96	79
62	**59**	67.5	72	77	81	86	88	85	87	87	89	81.6
63	**59**	63	63	68	70	75	77	83	87	90	91	79.5
61	**54**	67	75	73	78	83	93	93	**95**	**95**	**95**	82.3
62	67	66	72	74	77	80	85	89	90	91	92	81.8
64	**60**	64	65	70	74	76	76	83	81	85	88	78.8
68	**65**	69	68	73	76	78	90	**97**	95	**97**	**97**	82.3
79	70	**67**	76	83	83	89	97	**98**	**98**	**98**	97	86.3
67.5	75	87	82	91	94	94	95	95	95	95	95	**86.9**
58	**58**	60	65	70	77	81	82	79	84	87	92	77.7
58	63	64.5	61	64	70	76	79	83.5	86	84	85	76.9
55.5	**54.5**	56.9	58.3	62.5	67.5	71.7	76	78.2	80.6	82.9	84.9	73.1

VAPOR PRESSURE (mm)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
15.4	14.6	15	**12.7**	15.1	16.3	17.1	18.1	18.7	19	19.4	**19.5**	**16.8**
19.2	19.5	18.9	19.9	18.6	18.6	19.4	18.8	18	18.5	18.6	18.7	18.9
17.1	**18.6**	18.2	17.7	17.1	17	17	17.6	17.8	17.7	18.2	18.2	17.7
19.8	18.9	18.8	17.2	**17.1**	17.2	17.2	17.7	19.1	19.4	18.9	18.9	18.5
17.9	18.5	17.8	18.8	16.6	**16.2**	17.4	17.7	18.4	18.6	18.2	17.8	18.6
19.5	20.9	19.1	19.5	17.5	**16.8**	17.2	17.7	19	19.1	18.7	19.3	19.1
17.2	**17.1**	17.9	17.5	18.2	19.3	19.3	19.4	**20**	19.8	19.4	19	18.7
19.2	18.3	18.8	17.3	16.8	**16.6**	17.7	18.2	18.7	18.7	18.8	18.4	18.4
21	20.7	16.8	**16.6**	17.9	18.8	19.2	19.6	19.5	19.8	19.5	19.6	19
20.5	17.2	17.2	17.6	**16.8**	17.9	18.5	19.1	19.8	20.1	20.4	19.7	19.4
19.5	20	21.9	21.6	21.6	21.8	22.4	**22.9**	22.6	21.7	21.8	21.9	20.7
20	20.7	**22.8**	20.7	20.5	20.3	20.9	**22.3**	22	21.8	22.1	21.5	21.3
20.1	20.6	19.5	20.9	20.7	22.4	21.9	**22.9**	21.6	21.2	19.3	20.2	21
23.6	22.8	23.3	22.7	23.4	22.5	22.6	23.4	22.8	20.4	21.7	21.2	22
19.5	21.5	22.8	23.2	23.1	23.4	22.2	21.4	21.3	21.5	21.9	22	22
22.1	22.3	23.7	23.5	**24.5**	23.5	24	23	22.9	23.6	24.1	23.9	22.8
23.1	**22.4**	23.6	**22.4**	23	23.4	23	22.9	22.9	22.8	23.1	23.3	23.1
22.3	**20.7**	22.3	23.5	23.3	22.6	23.1	23.7	23.5	23.4	23.8	**23.9**	22.9
23.1	21.9	23.3	23.9	24.1	22.9	22.8	22.9	22.5	23	22.9	22.8	23.1
23.6	23.6	24.3	23.4	22.9	22.8	23.1	23.5	23.6	24.4	24	23.3	23.4
22	23.2	23.1	24.7	25	23.7	21.7	**21.4**	21.5	21.7	21.8	21.9	23.1
22.9	23.2	**21.4**	22.7	23.7	24	22.5	21.8	22.1	22.1	22.3	22.5	22.8
23.7	**22.1**	22.2	22.8	23.3	23.3	23.7	22.5	23.4	23.7	23.7	23.8	23.4
23.1	**21**	23.8	**25.2**	22.7	23.2	23.3	22.4	23.1	23.2	23.5	23.5	23.5
22.7	24.1	23.5	**24.8**	24.3	23.8	22.8	23.2	23.4	23.4	23.4	23.8	23.4
23.8	**22**	23.6	24	**24.7**	24.1	23.9	23.5	24.6	23.8	24.1	23.9	23.5
24.5	23.6	24.7	23.7	23.5	23.6	23.8	22.3	22.4	**21.9**	22.8	22.6	**23.6**
25.1	25	24.7	25	24.8	23.4	23.6	22.5	22.8	22.9	23.2	22.6	23.5
24	22.8	23.9	23.3	23.8	22.6	22.6	22.7	22.7	22.7	22.6	22.6	23.1
22.4	22.4	22.1	22.2	22.8	24	**24.3**	24.1	23.3	23.8	23.4	23.9	22.7
22.7	22	21.9	21.6	**21**	21.4	21.7	22	22.4	22.3	21.8	21.4	22.4
21.3	**21**	21.3	21.3	21.2	21.2	21.3	21.3	21.5	21.5	21.5	21.5	21.4

CLOUDS—FORM AND DIRECTION

Day.	8 a.		9 a.		10 a.		11 a.		Noon.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
2	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu. E
3	Ci.	Cu.	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu. E
4	Ci.	Cu.	Ci.	Cu.	....	Cu. E	....	Cu. E	....	Cu. E
5	....	Cu.	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu.-N.
6	Ci.	Cu.	....	Cu. E	....	Cu.-N. E	....	Cu.-N. E	....	Cu.-N. E
7	....	Cu.	....	Cu.	....	Cu. E	Ci.	Cu. E	Ci.	Cu. E
8	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu. E
9	Ci.	Cu.	....	Cu. ESE	....	Cu. ESE	....	Cu. ESE	....	Cu. ESE
10	Ci.	Cu.	Ci.	Cu. ESE	Ci.	Cu. ESE	Ci.	Cu.-N. ESE	Ci.	Cu.-N. ESE
11	....	Cu.	Ci.	Cu.	Ci.	Cu. E	Ci.	Cu.	Ci.	Cu.
12	Ci.	Cu. ESE	Ci.	Cu. ESE	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu. E
13	Ci.-S.	Cu. ESE	Ci.-S.	Cu. ESE	....	Cu. ESE	....	Cu. ESE	....	Cu.
14	A.-Cu.	Cu.	Ci.	Cu.	Ci. W	Cu.	Ci.	Cu. E	Ci.	Cu. E
15	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.-N.	Ci.	Cu.	Ci.	Cu.-N.
16	Ci.	Cu.	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu.	Ci.	Cu.
17	Ci.	Cu.	Ci.	Cu.	....	Cu.-N.	Ci.-Cu.	Cu.-N.	Ci.-Cu.	Cu.-N.
18	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.-N.
19	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci. ENE	Cu.	Ci.-S.	Cu.
20	A.-Cu. WNW	Cu.	A.-Cu. WNW	Cu.	A.-Cu. WNW	Cu.	A.-Cu. WNW	Cu. SSE	A.-Cu. WNW	Cu. SSE
21	Ci.-Cu.	Cu.	Ci.	Cu.	Ci.-Cu.	Cu. E	Ci.-Cu.	Cu.	Ci.-Cu.	Cu.
22	Ci.	Cu.	A.-Cu.	Cu.	Ci.-Cu.	Cu. E	A.-Cu.	Cu. E	Ci.	Cu. E
23	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E	Ci.	Cu.
24	Ci.	Cu.	....	Cu. E	....	Cu. E	....	Cu.	....	Cu.
25	Ci.-S. ESE	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.
26	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.-N.
27	Ci.	Cu.	....	Cu. E	....	Cu. E	Ci.	Cu.	Ci.	Cu.
28	A.-Cu. NNW	Cu.	Ci. NE	Cu.-N.	Ci. NE	Cu.-N.	....	Cu.-N	Ci.-S.	Cu.-N.
29	A.-Cu. E	Cu.	A.-Cu. ENE	Cu.	A.-Cu.	Cu. ESE	....	Cu. E	....	Cu.
30	A.Cu. W	Cu. E	A.-Cu. W	Cu. E	A.-Cu. W	Cu. E	A.-Cu. W	Cu. E	Ci.-S.	Cu.
31	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu. ESE	....	Cu. ESE	A.–Cu.	Cu. ESE

Day.	1 p.		2 p.		3 p.		4 p.		5 p.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	....	Fr.-Cu.	....	Fr.-Cu.	....	Cu.	....	Cu.	....	Cu.
2	....	Cu. E	....	Cu.	....	Cu.-N.	....	Cu.	....	Cu.-N.
3	Ci.	Cu. E	Ci.-S.	Cu. E	Ci.	Cu. E	....	Cu. E	....	Cu. E
4	....	Cu. E	....	Cu. E	....	Cu.-N. E	A.-Cu.	Cu. E	....	Cu.
5	Ci.-Cu.	Cu. E	Ci.	Cu. E	....	Cu. E	....	Cu. E	Ci.	Cu.
6	....	Cu.-N. E	....	Cu.-N. E	....	Cu.-N. E	....	Cu. E	....	Cu.
7	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu.
8	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu.-N.	Ci.	Cu. E	Ci.	Cu. E
9	Ci.	Cu. ESE	Ci.	Cu. E	Ci.	Cu. E	....	Cu.-N. E	Ci.	Cu.-N. E
10	....	Cu. ESE	Ci.	Cu. ESE	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.
11	Ci. WNW	Cu.	Ci. WNW	Cu. E	Ci.	Cu. E	Ci.	Cu.-N. E	Ci.	Cu.-N. E
12	Ci.	Cu.	Ci.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.
13	....	Cu.	....	Cu.-N. E	....	Cu.-N. ESE	....	Cu.-N. ESE	....	Cu. ESE
14	Ci.	Cu. E	Ci.-S.	Cu.-N. SSE	Ci.-S.	Cu.-N. SSE	Ci.-S.	Cu.-N. SSE	Ci.-S.	Cu.
15	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
16	Ci.	Cu.	Ci.-Cu. WNW	Cu.-N.	Ci.-Cu. WNW	Cu.-N.	Ci.-S.	Cu.	Ci.-S.	Cu.-N.
17	Ci.-Cu.	Cu.	....	Cu.	....	Cu.	....	Cu. E	Ci.	Cu.
18	Ci.	Cu. SSW	Ci.	Cu.-N.	Ci.	Cu.-N.	Ci.	Cu.-N.	Ci.-S.	Cu.-N.
19	....	N. SSE	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N. SSE	....	Cu.-N. SSE
20	A.-Cu. WNW	Cu.	A.-Cu. WNW	Cu.	Ci.-S.	Cu.	Ci. NE	Cu.-N.	Ci.-S.	S.-Cu.
21	Ci.-Cu.	Cu.	Ci.	Cu.	Ci.	Cu.-N.	....	Cu.-N.	Ci.-S.	Cu.-N.
22	Ci.	Cu.	....	Cu.-N.	....	Cu.-N. E	Ci.-S.	Cu.	Ci.-S.	Cu.
23	Ci.	Cu.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.
24	Ci.	Cu.	Ci.	Cu.-N.	Ci.-S.	Cu.-N.	A.-Cu.	S.-Cu.	A.-Cu.	Cu.-N. SSW
25	Ci.-S.	Cu.	Ci.-S. E	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.
26	Ci.-S.	Cu.	Ci.	Cu.-N.	Ci.	Cu.-N.	Ci.	Cu.	Ci.	Cu.
27	Ci.	Cu.	....	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.
28	Ci.-S.	Cu.-N.	Ci.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	....	Cu.-N. SSW
29	Ci.-S.	Cu.	....	Cu.-N. E	....	Cu.-N.	Ci.-S.	Cu.-N. E	....	Cu.-N.
30	Ci.-S.	Cu.-N.	Ci.-Cu.	Cu.-N.	Ci.-Cu.	Cu.-N. E	Ci.-S.	Cu.-N. E	Ci.-S.	S.-Cu. E
31	A.-Cu.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	E 1.5	E 1	ESE 1.5	E 1.5	E 2	EbyS 1.5	ENE 1.5	ENE 1	E 2	ENE 4.5	W 2	N 3.5
2	NNE 1.5	NE 2	NE 2	NE 1.5	E 1.5	ESE 1	Calm	W .5	SW 1.5	SW 2	W 5.5	WSW 2.5
3	SE 1	E 1	E 1.5	E .5	NE 1	NE .5	NE .5	EbyN 1.5	NE .5	ESE 5.5	E 2	NE 4
4	NE 1	NE 1	E 1.5	NE .5	Calm	Calm	Calm	Calm	W 2	WSW 2	W 4	WNW 4
5	Calm	E 1	Calm	NE 1	Calm	NNE 1	NE 1.5	Calm	WNW 1.5	WNW 2	W 1	SE 4.5
6	SE 2.5	E 1.5	N .5	Calm	NE 1.5	NE .5	NE .5	ESE .5	WSW 3	NW .5	WSW .5	SE 5
7	SE 1.5	SE 1	NE .5	Calm	NE .5	NNE .5	Calm	E 1.5	ESE 3	WNW 2.5	SE 6.5	SE 9
8	Calm	Calm	Calm	E 1	Calm	NE .5	NE 2.5	NE .5	NE 1	WNW 1.5	W 3	WSW 2
9	E 1.5	ESE 1	NE 1	E 1	E 1	EbyS .5	ENE .5	SSE 1	E .5	ESE 3	NNW 2	NW 2
10	SE 2.5	ESE 1.5	NE .5	Calm	Calm	Calm	ENE .5	Calm	WSW 1	W 1	W 3.5	WNW 3
11	NE 1.5	Calm	ENE .5	N .5	Calm	NE .5	Calm	E .5	E 1.5	ESE 1.5	SE 3.5	WNW 3.5
12	ESE 1.5	E 1	NE 1	E .5	SE .5	Calm	NE .5	SE 1	SSE 1	SE 1	SE 2	SE 1
13	Calm	NE 1	NE 1	NE .5	SSE .5	NE .5	Calm	WSW 1.5	SW 1.5	ESE 2	ESE 2	SSE 2.5
14	N 1.5	NNE 2	NNE 1.5	Calm	NNW 1.5	NNE 1	NNE 2	NE .5	SW .5	WSW 1	W 5	WNW 2
15	NE 1.5	E 1	NE 1	NNE .5	N .5	NNE .5	Calm	Calm	W 1	W 3	WNW 2	W 1
16	Calm	NNE 1	Calm	N 1	Calm	N .5	NE .5	NE .5	SW 1	W 2	WSW 2.5	W 4
17	E .5	Calm	SE 1.5	SE .5	Calm	SE .5	SE .5	SSW 1	WSW .5	W 3	W 3	WSW 4.5
18	Calm	Calm	Calm	ENE .5	Calm	Calm	Calm	SW 2	SW 1.5	W 2	W 2.5	WNW 3
19	SE 1	SE 1	SE 1	SE 1	ESE 1	E .5	SE .5	SE 1	S 1	SE 2	SE 1.5	SE 2.5
20	ESE 1	SE 1	SE 1.5	SE 1	Calm	SE .5	Calm	Calm	ESE 1.5	Calm	W 1.5	W 2.5
21	E 1	Calm	E 1.5	Calm	Calm	E .5	SE .5	EbyS 1	SbyW 1	SW 2.5	WSW 1	SSW 1
22	Calm	Calm	NE .5	Calm	NE 1	NE .5	NE .5	NNE .5	N 3	Calm	W 3.5	W 3
23	Calm	N .5	NNE 1.5	NNE 2.5	NE 1.5	NE .5	N .5	Calm	W 1	W 2	WSW 2	W 2.5
24	E 1	SE .5	SE .5	E .5	Calm	NE .5	NE .5	Calm	W 1	W 1	WSW 1	W 2
25	Calm	Calm	NE 1	NE 1.5	NE .5	Calm	Calm	ENE .5	NNE 1	NW 2	NNW 2.5	WNW 2.5
26	NNE 1.5	N .5	N .5	Calm	Calm	NE .5	Calm	NNE 1	NE 1	Calm	W 1.5	W 1
27	Calm	Calm	NE 1	ENE 1	NNE 1	Calm	NE .5	NE 1	W 1	SW 1	SW 5	SW 2.5
28	E 1	E 1	ESE .5	SE .5	SE 1	E .5	E .5	Calm	SSE .5	Calm	WSW 2	SSE 1
29	NE 1	NE .5	NE 1	ESE 1.5	NE 1	NE .5	NE .5	E 1	E .5	E 1	SE 2.5	SSE 2
30	NNE 1.5	NNE 2	NE 1	NNE 1	NE 1	NE .5	NE .5	E 1.5	SE 1.5	ESE 4	ESE 3.5	ESE 4
31	NNE 1	NNE 1.5	NE 1	Calm	Calm	NE 1	E .5	SSW 1	SW 1	SE 1.5	SE 5	SE 2
Mean	1	0.8	0.9	0.7	0.6	0.5	0.5	0.7	1.3	1.8	2.7	2.9

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
1	SE 4.5	SE 6	SE 7	ESE 3	ESE 2.5	ESE 2	SE 3.5	SE 2.5	SE 2.5	SE 2.5	E 1.5	E 1	2.6
2	WSW 3	SW 4	SE 4.5	SE 3.5	SE 6	SE 1.5	SE 2	SE 3.5	SE 3.5	SE 2.5	ESE 1.5	ENE .5	2.4
3	NE 2.5	NE 4.5	NNE 4	NE 4.5	E 1	ENE 2.5	ESE 3.5	ESE 2.5	ESE 3.5	ESE 2.5	E 1.5	NE 1	2.2
4	WNW 1	ESE 3.5	ESE 3	ENE 8	ENE 3	E 5	ESE 3	ESE 2	SE 2.5	SE 2	E 1.5	E 1	2.1
5	EbyS 4	ESE 3	ESE 2.5	E 1	ENE 2.5	ENE 4	ENE 3.5	E 3.5	ESE 2	ESE 1.5	ESE 1.5	ESE 2	1.9
6	SE 1	Calm	WNW 1	WNW 1	NE 2.5	ENE 3	E 3.5	ESE 2.5	ESE 1.5	ESE 1.5	ESE 2	ESE 1.5	1.6
7	ESE 4	SE 4.5	ESE 2.5	ESE 4.5	ESE 3	SE 2.5	SE 3	SE 3.5	SE 3.5	SE 2.5	SE 3.5	ESE 1	2.7
8	WbyS 2.5	SE 7.5	SE 5	SE 9	SE 2.5	sEbyE 4	ESE 2	ESE 2	SE 3.5	SE 3	SE 3.5	ENE 1	2.4
9	WbyN 1	NW .5	SE 4.5	SE 5	SE 3.5	SSE 1	ESE 3.5	SE 2.5	SE 2.5	SE 2	ESE 2	SE 1.5	1.9
10	WNW 4.5	SSE 2	SE 5.5	SE 5.5	ESE 4	ESE 2	ESE 3.5	SE 3.5	ESE 3.5	ESE 3.5	ESE 1.5	ESE 1	2.2
11	W 3.5	W 6	WSW 4.5	WSW 3.5	WSW 4	SW 2.5	SW 3.5	SW 3.5	SSE 3.5	SE 3.5	ESE 1	ESE 1.5	2.2
12	SE 1	SW 1	WSW 5.5	WSW 4	SE 1	SSE 1	SSE 1	SW 1	S .5	Calm	Calm	Calm	1.1
13	SE 2.5	ESE 5	ENE 7	NNE .5	NW .5	WNW 2	WSW 2.5	WSW 2.5	SSE 3.5	SE 3.5	NW 9	NNE 2.5	2.2
14	WNW 3	WNW 4	SW 1.5	SE 3	SE 2	SW .5	SW 2	SW 1	SW 1.5	SE 2	SE 2	E 1	1.8
15	W 3	WSW 1	WSW 3.5	WSW 2.5	WSW 4.5	WSW 5.5	WNW 3.5	N 2	Calm	Calm	Calm	Calm	1.6
16	WbyS 4	WSW 2.5	WSW 3	SW 5.5	swbyw 5	SW 4.5	SW 4	WNW 3.5	WSW 2	WSW 1.5	Calm	Calm	2
17	WbyS 7.5	SW 6	SW 5.5	WSW 8.5	SW 5	SW 3.5	SW 3.5	SW 4.5	W 2	NW 2.5	Calm	Calm	2.7
18	SW 8.5	WSW 5	WSW 7	WSW 10	WSW 8	WSW 4	W 6.5	W 5.5	WSW 4	WSW 3.5	W 3.5	SW 2	3.3
19	S 3.5	SE 3	W 2	swbyw 5	SW 3	SSE 2.5	Calm	SE 1.5	Calm	NNW 1.5	NNW 4	NNE 2	1.8
20	WbyN 3	W 2	WSW 4.5	WSW 3.5	WSW 4.5	WSW 2	WSW 4	WSW 3.5	WNW 2.5	SSW 4	SE 1	Calm	1.9
21	SSW 1	WSW 3.5	WbyS 5	swbyw 6	WSW 4.5	swbyw 9	ENE 4	ENE 5.5	SE 1	ESE 1	E 1.5	E .5	2.2
22	WNW 2	W 4.5	ENE 2.5	Calm	NE 1	Calm	NNE 3	NE 3	NNE 1.5	NNE 2	NE 2.5	NNW 1.5	1.5
23	WNW 3	W 2	W 1	W 1	NW 1	WNW 2	N 1.5	NNE 2	SE 1	SE .5	Calm	NE .5	1.2
24	W 4	WSW 3.5	WSW 4	WSW 1.5	SE 3	E 1	NNW 3.5	NW 1	NE 1	Calm	Calm	Calm	1.3
25	W 2.5	WSW 2	WSW 5	WSW 3.5	SW 3.5	NW .5	N 2	NE 1	Calm	NE .5	N .5	Calm	1.4
26	W 3.5	W 2	SW 4.5	SW 2	SW 3	SW 3	NW 2.5	WNW 1.5	NW 1	NNE 2	Calm	Calm	1.4
27	WbyS 3	WSW 2.5	WSW 3.5	WSW 5	swbyw 4.5	SW 2	SW 2	NNE 3	NW .5	Calm	E .5	ENE .5	1.7
28	SSW 1	WSW 1.5	WSW 3.5	WSW 3.5	SW 2.5	WNW 5.5	NNW 2.5	SE 2.5	ENE 1	E 1	NNE .5	NE 1	1.4
29	SE 2.5	WSW 3	SSW 3	SW 2	ESE 1	S 1	Calm	Calm	NE 1.5	NE 2	NE 1	N 1.5	1.3
30	E 4	SE 2.5	ESE 2	SE 4.5	SE 1.5	ENE 1	Calm	NW 1	WNW 3.5	NW 1	NNW .5	Calm	1.8
31	SE 5.5	SE 4.5	ESE 3.5	ESE 1.5	SSE 3	E 6	SE 2	SE 1.5	ESE 1.5	ESE 1.5	E 1.5	E 1.5	2
Mean	3.2	3.3	3.9	3.9	3.1	2.8	2.7	2.5	2	1.8	1.6	0.9	1.9

WIND—VELOCITY IN KILOMETERS PER HOUR

Day.	Mdt.-1 a.	1–2 a.	2–3 a.	3–4 a.	4–5 a.	5–6 a.	6–7 a.	7–8 a.	8–9 a.	9–10 a.	10–11 a.	11–Noon.
1	6	2.5	4.5	6	5	5	4	4	10	12	15	15
2	3.5	5.5	7	7	1.5	1.5	.5	1	6	8.5	19	15
3	3	3	3.5	1.5	2	2.5	1.5	0	8.5	8.5	20	13
4	3	2	5.5	2.5	0	.5	1.5	3	3.5	5.5	22	15
5	1.5	1	1.5	3	1	1	3.5	2	8	17	13.5	9.5
6	7	4.5	1	2.5	2	4	2	2.5	5.5	7	8	16.5
7	5	4	2.5	1.5	2	2	0	3	9	4	18	**22**
8	1	.5	1.5	1.5	2	3	5	6	5	14	17	17.5
9	3	2.5	3	2	3.5	1.5	1.5	4.5	11	11	15	8
10	7.5	5.5	2	1.5	1	1	2	1	6	8.5	16	16
11	5	2	1.5	1.5	2	1	1	.5	.5	11	15	9
12	4.5	3	1.5	1	.5	1	1.5	5	6	7	9	11
13	2	4	5.5	1.5	1	5	1	4	6	8	12.5	14.5
14	8	7.5	5.5	3	3.5	4.5	8	4.5	.5	5	12	14
15	4.5	4	3.5	3	3	2.5	2.5	2.5	6	7	15.5	9.5
16	0	1	.5	1	2	1	.5	1	4	11	11	14
17	1	1	2	2	1	1	3	3	8	6	19	15
18	.5	0	0	0	0	0	0	2	5.5	5	14.5	17
19	4	2	2	1.5	3.5	3	5	10.5	5.5	8	14	12
20	1.5	1.5	1.5	1	.5	0	0	1	4	5	7	9
21	1.5	2	3.5	3	.5	2.5	2	3	4	6	12	8
22	.5	0	0	1	.5	2.5	2	2.5	4.5	6	9	12.5
23	.5	.5	2.5	5.5	5.5	.5	1.5	1.5	2.5	6.5	**13**	11.5
24	1	.5	0	0	0	0	0	.5	4	6.5	13	10
25	0	0	.5	1.5	0	1	0	.5	2	5	8	9
26	0	0	0	0	0	0	0	2.5	1.5	1	7	8.5
27	.5	0	.5	1	0	.5	2	3.5	3.5	11	12	16
28	3	3	2	2	2	2	2.5	2	3.5	4	11	8
29	4	2	.5	4	1.5	3	5	8	6	6	9	9
30	3.5	5.5	4	2	2	0	1	2	6.5	12.5	**19.5**	13.5
31	1.5	5	4	2	1	3	1.5	.5	3	7	15.5	14.5
Mean	2.8	2.4	2.4	2.1	**1.6**	1.8	2	2.8	5.1	7.8	13.6	12.7

AMOUNT OF CLOUDS (0–10)

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.	
														h.	*m.*
1	2	1	1	2	1	0	1	1	1	1	0	1	**1**	**11**	**40**
2	0	0	2	2	3	3	3	2	2	3	4	2	2.2	10	20
3	4	5	5	4	7	7	6	8	8	8	6	4	6	7	20
4	2	4	4	4	4	5	5	5	6	5	1	2	3.9	9	35
5	2	2	5	5	6	4	4	4	4	4	3	5	4	10	25
6	3	2	4	6	7	8	6	5	4	4	1	2	4.3	10	10
7	1	0	1	2	5	5	4	3	4	4	3	4	3	10	30
8	8	3	4	5	5	4	4	5	4	4	6	5	4.8	9	25
9	2	1	3	4	4	4	4	5	5	6	7	5	4.2	10	00
10	6	8	8	8	8	5	4	6	7	8	7	7	6.8	6	45
11	5	3	3	5	5	5	4	7	8	8	8	8	5.8	9	05
12	6	6	6	5	5	5	4	4	5	8	10	8	6	6	50
13	3	4	4	3	3	3	3	8	10	8	10	10	5.8	7	00
14	7	6	6	7	6	7	7	7	6	9	8	10	7.2	7	30
15	5	8	6	4	4	4	5	4	3	3	3	5	4.5	9	00
16	3	3	9	5	7	6	6	5	5	6	6	6	5.6	9	40
17	3	3	2	2	2	3	4	3	4	5	8	10	4.1	9	20
18	6	5	5	5	4	5	5	4	3	3	6	5	4.7	9	50
19	4	4	4	4	6	8	10	10	10	10	10	10	7.5	4	10
20	9	9	9	9	7	6	8	7	8	9	9	10	8.3	3	20
21	5	7	6	5	5	7	8	2	3	3	6	9	5.5	10	00
22	3	1	2	5	4	4	6	7	9	9	9	10	5.8	6	50
23	2	3	5	5	5	5	7	8	9	9	9	9	6.3	5	30
24	3	3	6	5	5	4	7	6	7	10	10	10	6.3	5	45
25	5	7	8	9	9	9	10	9	9	10	10	9	**8.7**	**2**	**50**
26	5	7	7	6	7	7	9	6	5	6	6	8	6.6	6	25
27	3	7	8	6	8	6	8	9	8	9	10	10	7.7	5	50
28	3	5	6	5	6	6	6	7	8	10	10	10	6.8	6	35
29	5	8	8	5	7	5	7	10	10	10	10	10	7.9	3	35
30	6	8	7	5	5	5	5	6	5	8	8	9	6.4	6	25
31	7	8	8	8	7	9	7	8	9	10	9	10	8.3	3	35
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	235	15
Mean	**4.1**	4.5	5.2	5	5.4	5.3	5.7	5.8	6.1	6.8	6.9	**7.2**	5.7	7	35

WIND—VELOCITY IN KILOMETERS PER HOUR

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
19	**22**	20.5	17	16.5	14	12	10	9.5	7.5	8	4	10.4
16	10	**22**	19	20	**22**	10	9	13	8	6	4	9.8
15	**33**	20	12	17	17	14	12	14	7.5	4.5	3	9.8
12	10	10	**23**	16.5	15.5	16	9	6	8	7	3.5	8.4
21	14	18.5	14.5	18.5	19	15.5	13	6.5	4	5	7.5	9.1
13.5	7	5	10	13	**18**	15	11	6	4	7	6	7.4
20	18.5	18	18	19.5	19.5	12.5	10	11	10	10	6.5	10.3
12.5	23	**24**	**24**	17	17	12	9	7	9.5	13.5	5.5	10.3
10	9	14	16	**17**	10.5	11.5	11	9	9	5.5	6.5	8.1
14	11	17	**19**	14	14	12	13	11	11	8	7	9.1
14	20	**25**	22	22	17.5	12.5	11	12	15	8.5	4.5	9.8
7	11	**24.5**	16.5	11	6	4	4	4	1	.5	.5	5.9
14	**20**	15.5	7.5	.5	6	13	8.5	9	10	19	19	8.6
13	**15.5**	11.5	8	8	10	5.5	6	5	11.5	9	4.5	7.6
12	11	15.5	16.5	**22**	18	15	8	4	.5	0	.5	7.8
18	15	17	**22**	18	20	16	13	10	6	1	0	8.5
21	25	24	**30**	28	23.5	19.5	19	12	10.5	1.5	0	11.5
18	20.5	17.5	31	**31.5**	27	22	20	17	15	11.5	8.5	**11.8**
14	14	7	18	**23**	12	3	4.5	2.5	4.5	10.5	10	8.1
13	18	14.5	20.5	**22**	21	17	14.5	13.5	11	5	3	8.5
8	6	19	23	22	**29**	17	23	4	3	2	1.5	8.6
13.5	13	**14.5**	8	3	1.5	11	9.5	6.5	5	8	5	5.8
12.5	12	12.5	8.5	6	5	5	5	2.5	.5	.5	0	5.1
11.5	15.5	**16**	15	8.5	3.5	9	9	1	.5	0	0	5.2
11	9	**19**	15	12	4	4	3	1	1	0	0	**4.4**
12.5	13	16	17	**18**	15.5	11	7.5	3	5	.5	0	5.8
18	17	18	19	**21**	16	14	16	9	4.5	3.5	3	8.7
5	7	13	16	13	**16.5**	13.5	13.5	4.5	2.5	.5	3	6.4
7.5	6	**10.5**	8	10	4	1	2	2	5	3	4	5
16	12.5	14.5	11.5	11.5	4	1.5	1.5	6	7	1	.5	6.6
17	13	14	14.5	14.5	13	8.5	6.5	5	5	4.5	5	7.5
13.9	14.6	16.4	**16.8**	16	14.2	11.4	10.1	7.3	6.5	5.3	4.1	8.1

FREQUENCY OF THE WIND

Day.	N.	NNE.	NE.	ENE	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	1			3	7	5	7						1					249	**10.4**	
2		1	3	1	1	2	8				3	2	2				1	235	8.5	
3		1	8	1	7	5	2											236	8.2	
4			3	2	4	4	2					1	2	2			4	200.5	7.6	
5		1	2	3	3	7	1						1	2			4	219.5	8.3	
6	1		4	1	2	6	3					2		2	1		2	178	7.5	
7		1	2		1	6	11							1			2	246.5	10	
8			4	1	1	2	8					1	2	1			4	248	9.5	
9			1	1	4	7	7							1	2	1		195.5	8.6	
10			1	1		8	4	1				1	2	2			4	219	7.6	
11	1		2	1	2	3	2	1			3	3	2	1			3	234	7.4	
12			2		2	2	6	3	1		2	2					4	141	6.5	
13		2	4	1		3	2	3			1	3		1	2		2	207	5.7	38.1
14	1	4	1		1		4				6	1		4		1	1	183.5	5.2	
15	2	2	2		1							5	4	2			6	186.5	6.4	
16	2	1	2								4	6	3	1			5	203	6.7	
17					1		4			1	6	3	4		1		4	276	6.2	
18				1							4	7	5	1			6	**284**	6.4	
19		1			1	1	11	1	2		1	1	1			2	2	194	2.7	10.7
20						2	5			1		6	3	2			5	205	4.5	.3
21				2	5	2	2			3	1	5	1				3	205.5	4.8	13.7
22	1	4	7	1									3	1		1	6	139.5	3.7	.3
23	3	3	3				2					1	6	2	1		3	121.5	4	
24			3		3		3					4	4	1	1		5	125	3.1	11.7
25	2	1	5	1								1	3	1	2	2	6	**106.5**	3.6	
26	2	3	2								4		4	1	2		6	139.5	4.6	
27		2	3	2	1						5	4	2		1		4	209.5	3.9	**44.4**
28		1	1	1	5	1	3	2		1	1	4		2			2	153	3	20.3
29	1		9		3	2	2	1	1		1	2					2	121	.8	4.8
30		3	4	1	2	4	4							1	2	1	2	159.5	4.7	
31		2	2		4	4	7	1		1	1						2	179	4.3	
Total	17	33	80	25	61	76	110	13	4	7	43	65	55	32	15	8	100	6,000.5	184.4	144.3
Mean	0.5	1.1	2.6	0.8	2	2.5	**3.5**	0.4	**0.1**	0.2	1.4	2.1	1.8	1	0.5	0.3	3.2	193.6	5.9	**4.7**

EXTREME VALUES

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°*C.*		*Per cent.*	*mm.*	*mm.*		°*C.*		*Per cent.*	*mm.*
1	760.55	8.15a.	37.4	2.30p.	85	19.5	757.05	3.20p	**21.1**	5.30a.	**27**	**12.7**
2	60.90	10.30p.	36.6	2.50p.	**83**	21.1	56.40	4.55p.	23	5.40a.	42.5	17.4
3	60.50	0.05a.	36.8	0.25p.	**83**	**18.6**	58.10	3.20p.	22.8	4.45a.	41	16.6
4	60.65	11.30p.	36.6	1.50p.	85	19.9	57.80	3.25p.	22.8	5.45a.	43	17.1
5	61.40	9.45a.	37.4	1.55p.	86	21.1	**58.60**	4.20p.	23.2	5.45a.	40	16.2
6	**61.45**	8.40a.	36.4	1.05p.	86	21.8	58.15	3.30p.	23.4	5.45a.	45	16.8
7	60.80	8.20a.	37.6	3.15p.	85	20	56.64	4.00p.	23.7	5.55a.	37	17.1
8	60.40	11.40p.	36.7	1.35p.	**83**	20	56.75	4.15p.	22.9	5.45a.	42	16.6
9	60.10	9.20a.	37	2.45p.	84	21	56.50	3.50p.	23.6	5.40a.	37.5	16.6
10	60.05	8.20a.	37.4	2.35p.	86.5	20.9	56.20	4.15p.	24	5.15a.	38.5	16.8
11	59.40	9.40p.	36.1	11.25a.	91	22.9	55.70	4.20p.	24	5.25a.	43	18.2
12	58.97	9.00a.	**37.7**	1.20p.	92	22.8	55.68	4.00p.	25.3	4.40a.	44	19.4
13	60.30	11.40p.	**37.7**	1.50p.	97	22.9	55.95	4.05p.	22.7	11.50p.	45	19.2
14	59.50	0.05a.	35	2.25p.	97	23.6	55.60	5.15p.	22.8	1.50a.	59	19.8
15	58.26	11.00a.	34.5	2.25p.	94	23.7	55.65	3.05p.	24.6	5.35a.	52	19.5
16	58	10.10p.	34.9	2.10p.	89	24.5	55.15	3.30p.	24.9	5.40a.	57	21.2
17	57.95	11.00p.	35.2	2.25p.	93	24.2	55.05	3.25p.	25.5	5.25a.	58	22.4
18	57.85	10.55p.	35.2	1.05p.	92	23.9	54.85	3.45p.	25	5.35a.	51	20.7
19	58.80	10.35p.	36	11.50a.	97	25	55.44	3.00p.	24.6	8.25p.	51	21.4
20	59.55	11.00p.	34.3	11.50a.	97	24.5	55.90	4.10p.	24.9	5.45a.	61.5	**22.5**
21	60.85	10.00p.	36.2	1.05p.	97	25.4	56.45	4.00p.	23.8	7.55p.	51	21.4
22	59.95	0.05a.	35.2	2.25p.	97	**25.5**	56.20	4.10p.	24.3	0.05a.	59	21.4
23	59.78	9.00a.	34	1.25p.	95	25.2	56.25	3.50p.	25.2	5.40a.	59	22.1
24	59.25	9.40a.	34.5	1.55p.	95	25.2	56.80	2.30p.	25.4	7.45p.	54	21
25	59.80	8.45a.	33.2	1.50p.	95	24.8	56.71	3.00p.	24.8	5.45a.	62	22.4
26	58.70	0.05a.	33.8	3.35p.	96	24.7	55.50	4.00p.	25.2	5.45a.	60	22
27	**57.60**	9.45p.	33.3	2.45p.	97	25.4	54.65	3.05p.	24.5	8.50p.	65	21.9
28	57.85	9.25a.	**33.1**	3.05p.	**98**	25.1	**54.30**	3.15p.	24.5	8.05p.	**67**	22.4
29	58.75	11.30p.	35	0.30p.	97	24.6	55.65	4.05p.	24.6	3.10a.	60	22.4
30	59.20	11.30p.	34.4	2.45p.	96	24.3	55.30	4.15p.	24.2	5.30a.	58	21.4
31	59.50	9.35a.	34.4	0.50p.	92	23.7	56.54	4.00p.	**25.6**	4.20a.	58	21
Mean	759.57	....	35.6	....	91.6	23.1	756.18	....	24.1	....	50.6	19.6

DAILY GENERAL REMARKS

1....Somewhat gusty SE winds in the afternoon.
2....☈° in the afternoon; ☇ N, NW in the evening.
3....Cloudy weather.
4....Somewhat gusty Ely winds in the afternoon.
5....☇° E in the evening.
6....Cloudy weather.
7....Somewhat gusty SE winds in the forenoon.
8....Somewhat gusty SE winds in the afternoon; ☇° NNW in the evening.
9....T NE 3.35 p. m.
10....☈° NE quadrant in the afternoon; ☇ N, NNW in the evening.
11....Cloudy weather.
12....☈ SE quadrant in the afternoon.
13....T N quadrant in the afternoon; heavy thundershowers at night.
14....d in the early morning; coloration of clouds at sunrise.
15....Coloration of upper clouds at sunrise.
16....Cloudy weather.
17....☈ various points in the forenoon and afternoon.
18....⌓° early in the morning; ☈ NE and SE quadrants, ⊕°, gusty WSW winds in the afternoon.
19....⊕, ☈ S, SSE, ● in the afternoon; ☈° NE, ☇° NNW, ● in the evening.
20....d^2 in the early morning and at night; T SE in the afternoon; ☇ NE in the evening.
21....☈ NE and S quadrants, gusty SWly winds in the afternoon; ☇^{2} NE and SE quadrants in the evening, ● at night.
22....☈° E in the afternoon; p° in the evening.
23....Cloudy weather.
24....☈ NE in the afternoon; thundershowers in the evening.
25....⊕° in the morning and afternoon.
26....⊕ in the morning; ☈ SSE in the afternoon.
27....T° SW quadrant in the morning; ☈° NNE in the afternoon, ☇^{2} N in the evening; heavy rain at night.
28....☈ NE, d° in the afternoon; ● at night.
29....⌒ in the morning; ☈° W, SE, ☈ NE in the afternoon; ☇ N, NE in the evening; ● early in the morning, afternoon and night.
30....Cloudy weather.
31....Overcast.

OBSERVATIONS FOR JUNE, 1919

ATMOSPHERIC PRESSURE, 700mm+

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	58.95	58.70	58.65	58.65	59	59.30	59.95	59.97	**60.17**	59.96	59.29	58.32
2	58.40	57.85	57.70	57.50	57.65	58.19	**58.52**	58.38	**58.52**	58.24	57.65	57.25
3	58	57.50	57.20	57	57.30	57.69	58.14	58.10	58.03	57.79	57.34	56.77
4	57.45	57.40	57.25	57.05	57.15	57.38	57.68	**58.20**	58.12	57.69	57.39	56.97
5	57.80	57.50	57.65	57.60	57.90	58.24	58.72	58.73	58.86	58.62	58.29	57.82
6	58.50	58.35	58.40	58.45	58.60	58.89	59.24	59.64	59.28	58.96	58.78	58.43
7	59.10	58.95	59	59.35	59.50	59.43	59.90	**59.91**	59.76	59.42	58.87	58.52
8	58.20	58.05	57.75	58.15	58.40	58.65	59.04	**59.19**	59.14	59.06	58.45	57.77
9	56.60	56.60	56.35	56.10	56.20	56.24	56.55	**56.82**	56.51	56.52	55.99	55.64
10	53.40	52.75	52.35	51.65	51	50.83	50.35	50.09	**49.43**	49.79	50.95	52.01
11	54.50	54.30	54.45	54.75	54.65	54.71	54.87	55.31	55.62	55.85	56.01	55.62
12	55.55	55.35	54.90	54.90	54.75	55.08	55.74	55.65	55.93	56.15	55.74	55.50
13	56.35	56.25	55.75	55.85	55.85	56.31	56.89	57.04	56.98	56.55	56.34	56.03
14	56.85	56.70	56.60	56.30	56.30	56.27	56.34	56.73	57.01	57.08	57.13	56.84
15	57.40	57.20	57.15	57	57.25	57.50	57.64	57.79	57.89	**58.15**	57.54	57.46
16	57.75	57.50	**57**	57.15	57.35	57.50	58.25	58.90	59.37	**59.82**	59.34	58.99
17	58.30	58.15	57.85	57.85	57.75	58.29	58.60	58.78	**59**	58.98	58.76	58.36
18	57.70	57.55	57.35	57.10	57.25	57.67	57.95	58.09	**58.16**	58.07	57.85	57.54
19	57.05	56.45	56.45	56.65	56.65	56.88	57.10	57.68	57.73	57.68	57.28	56.78
20	57	56.55	56.45	56.65	56.45	57.09	57.45	57.70	57.97	57.89	57.70	57.24
21	58	57.95	57.40	57.45	57.75	58.20	58.90	59.06	59.03	58.75	58.54	57.98
22	**59.25**	59.05	58.90	58.80	58.75	58.93	59.07	59.07	59.04	58.94	58.57	58.40
23	58.15	57.80	57.50	57.50	57.95	58.34	58.97	**59.07**	59.04	58.96	58.77	58.28
24	58.65	58.10	57.80	57.55	57.65	58.04	58.28	58.53	58.43	58.54	58.43	57.90
25	57.60	57.40	57.10	57.05	57.35	57.88	57.82	**58.18**	57.73	57.67	57.46	57.07
26	55.90	55.70	54.95	55	55.15	55.65	55.84	55.73	55.80	55.88	55.53	55.55
27	55.95	55.60	**55.45**	**55.45**	55.80	56.07	56.57	56.54	56.80	56.85	56.57	56.29
28	58.20	58.45	58.05	58.10	58.40	58.69	59.01	59.13	59.02	59.21	58.96	58.87
29	59.85	59.90	59.90	59.90	59.90	60.12	**60.13**	60.11	60.01	59.73	59.26	58.84
30	**58.55**	58.40	58.05	58	58.10	58.19	58.14	57.94	57.73	57.78	57.39	56.73
Mean	57.50	57.27	57.04	57.02	57.12	57.41	57.72	57.87	57.87	57.82	57.54	57.19

TEMPERATURE (°C.)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	25.9	25.8	25.6	**25.5**	**25.5**	25.7	26.7	28.5	29.3	29.6	30.3	31.6
2	26	25.4	25.1	**25**	**25**	**25**	25.8	26.8	30	31.9	**32.6**	32.3
3	25.4	25	24.7	24.7	24.4	24.5	26.6	28.7	30.9	31	31.3	32
4	24.1	24.1	24.1	24	**23.9**	24	26.9	29	30.4	31.7	31	31.6
5	26.6	26.4	26.9	26.2	26.1	26.4	27.8	30.4	30.6	32.1	32.6	33.4
6	25.9	25.8	25.6	25.5	**25.4**	25.9	26.4	28.9	31.6	30.6	31.7	32.1
7	26.1	25.8	25.8	25.8	25.7	**25.5**	25.8	29	30.3	32	32.5	31.8
8	26.2	25.7	25.6	**25.5**	25.7	25.8	28.3	29.1	30.6	30.5	30.9	**31.6**
9	25.3	24.9	**24.7**	25	25.1	25	25.2	26	25.9	25.7	26.6	28
10	24.9	24.8	24.9	25.1	25.1	25.5	25.6	24.5	24.8	25.5	**25.8**	**24**
11	24.4	23.9	23.8	23.8	23.7	**23.5**	23.9	25.3	25.1	25.3	25.1	24.9
12	25.3	25.1	24.8	24.7	**24.6**	24.8	26.8	28.9	29.2	29.3	**30.5**	29.5
13	25.4	24.8	24.4	**24.3**	24.4	25	27.5	29.5	30.1	31.3	30.5	31.1
14	25.6	26.3	25.6	25.3	**25**	25.2	27.3	29.1	30.2	30	29	30.4
15	27.1	26.7	26.3	25.7	25.8	**25.6**	26.6	27.7	29	27	30.6	**31**
16	26.7	26.1	25.7	25.8	25.9	25.7	26.3	27.7	29.9	27.8	27.8	29.1
17	25	25	24.9	24.8	**24.6**	24.8	27.6	29.8	31.1	30.2	30.8	**31.5**
18	**25.2**	**25.2**	25.3	25.3	25.3	26.4	27	29.7	29.6	31.2	**31.5**	31.4
19	25.5	25.3	25.1	25.2	25	25	27.2	27.2	27.4	29.5	28.7	29.9
20	24.9	24.9	24.7	25.2	**24.6**	**24.6**	25.2	26.5	26.7	27.2	28.6	29.6
21	26.3	24.8	24.3	**24.2**	**24.2**	24.6	24.8	27	28.7	30	30	30.6
22	25.6	25.5	25.2	24.7	**24.5**	24.6	27.2	28.9	29.7	29.5	30.5	31.2
23	25.1	25.1	25.1	24.8	**24.7**	25	25.7	28	30.4	31.2	31.2	31.6
24	28.1	26.4	**25.7**	25.9	**25.7**	**25.7**	28.7	30.1	29.2	**31.4**	31.3	30.7
25	26.9	26.3	26.3	25.9	26	**25.8**	26.3	26.7	29.6	29.8	29.8	29.9
26	26.2	25.7	25.6	25.1	24.9	**25**	25.5	26.7	27.9	**28.3**	27.4	26 1
27	24.9	24.1	24.3	24	23.8	**23.7**	26.2	27.4	29.9	30.7	31	30.7
28	24.8	24.7	24.4	24.2	23.8	**23.7**	26.7	29.4	30.4	31	32	32.1
29	24.8	24.6	24.6	24.4	24.5	**24.5**	27	29.3	30.6	30.6	30.2	30.9
30	24.2	24	23.9	23.8	**23.6**	24.3	26.9	28.2	29.9	28.9	29.7	**30.5**
Mean	25.6	25.3	25.1	25	**24.9**	25	26.5	28.1	29.3	29.7	30	30.4

ATMOSPHERIC PRESSURE, 700mm+

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
57.67	57.25	56.53	**56.39**	56.89	57.26	57.55	57.90	58.10	58.55	58.80	58.55	58.43
56.72	56.16	56.12	**56.10**	56.12	56.75	57	57.55	57.90	58	58.30	58.35	57.54
56.27	55.69	55.20	**55.05**	55.23	56.11	56.75	57.45	**58.75**	58.30	58.10	57.80	57.15
56.55	55.85	55.54	**55.38**	55.45	55.93	56.39	57.30	57.65	57.90	57.95	57.95	57.06
57.36	56.63	**56.33**	56.46	56.68	57.05	58.21	58.70	58.75	**59.30**	**59.30**	58.95	57.98
57.70	57	56.43	**56.40**	56.76	57.50	58.05	58.55	59.50	59.75	**59.85**	59.45	58.44
57.90	57.30	56.80	**56.48**	56.95	57.60	58.22	58.65	58.85	59	58.90	58.75	58.63
57.02	56.81	**56.56**	57.13	57.21	57.48	57.35	57.50	57.85	57.80	57.90	57.10	57.90
54.89	54	53.93	**53.50**	53.56	53.90	54.41	54.70	54.70	54.90	54.85	54.15	55.32
51.96	52.38	52.59	52.68	53.34	53.68	54.02	54.65	54.80	**55**	54.95	54.90	**52.48**
54.43	54.27	**53.88**	53.94	54.27	54.47	54.84	55.60	55.90	56.25	**56.35**	55.90	55.03
55.09	54.72	**54.39**	54.49	54.50	55.05	55.59	56.20	56.55	56.85	**57.15**	56.65	55.52
55.76	55.34	54.84	**54.80**	55.36	56	56.36	56.75	57.05	**57.55**	57.40	56.95	56.26
56.27	55.86	55.36	**55.15**	55.52	55.92	56.32	56.80	57.45	**58.05**	**58.05**	57.95	56.62
56.92	56.82	56.82	56.51	**56.35**	56.70	56.90	57.65	57.80	57.90	57.95	58	57.35
58.77	58.12	57.79	57.39	57.54	57.64	57.61	58	58.15	58.40	58.75	58.55	58.15
57.96	57.80	57.10	**56.89**	57.09	57.27	57.47	58	58.25	58.05	58.10	58.15	58.03
57.06	56.86	**56.82**	56.98	57.01	56.91	57.28	57.85	58	57.95	57.80	57.35	57.51
56.06	55.75	**55.30**	55.45	56.13	56.27	57.39	57.35	57.80	**58.05**	57.80	57.50	56.88
56.92	56.66	56.13	**56.03**	56.23	56.87	57.17	57.75	58.10	58.20	**58.45**	58.30	57.21
57.57	57.19	**56.96**	57	57.22	57.63	58.14	58.75	59.40	59.70	**59.80**	59.55	58.25
58.27	57.98	57.85	**57.71**	57.83	58.25	58.70	58.80	59	59	59.05	58.80	58.67
58.02	57.74	57.41	**57.35**	57.46	57.76	58.20	58.60	58.90	58.90	58.85	58.80	58.26
57.65	57.05	56.85	56.87	**56.75**	56.80	57.62	57.70	58.10	58.45	**58.70**	58.45	57.87
56.67	56.12	55.41	**55.05**	55.07	55.33	55.77	56.10	56.70	56.80	56.70	56.35	56.77
55.42	55.17	54.79	**54.60**	54.62	55.20	55.39	55.80	56.40	56.70	**56.85**	56.40	55.58
56.07	55.70	55.48	**55.45**	55.81	56.14	56.78	57.30	58.05	58.35	**58.55**	58.50	56.50
58.29	57.81	57.62	57.37	**57.36**	57.82	58.40	59	59.70	60.20	**60.35**	60.15	58.67
58.31	58.13	57.49	57.46	**57.40**	57.87	58.25	58.95	59.45	59.50	59.35	58.85	**59.11**
56.33	55.99	55.64	55.44	**55.34**	55.86	55.81	55.85	55.85	55.85	56	55.80	56.86
56.73	56.34	56	**55.92**	56.10	56.50	56.93	57.39	57.78	57.97	**58.03**	57.76	57.20

TEMPERATURE (°C.)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
32.8	33.5	**34.7**	34.5	31.1	30.1	29.2	28.3	27.7	27.1	27	26.2	28.8
32.5	31.6	30.6	30.2	29.9	29.4	28.7	27.9	27.9	27.2	26.9	25.6	28.3
33	**33.8**	30.6	31.7	32	30.9	29.1	**22.9**	24.2	24.4	24.2	24.1	27.9
32.5	33.3	**33.5**	32.8	32.1	30.8	30	28.5	27.5	27.4	27.4	26.8	28.6
33.9	**34**	32.7	31.3	30.7	30.5	**25.7**	26.5	26.5	26.2	26.1	26	**29**
32.3	32.9	33.6	**34**	29.5	29	27.6	27.1	27.3	27.5	26.8	26.4	28.7
30.5	32	**33.5**	**33.5**	32	29.7	28.1	27.5	27.3	27	26.6	26.5	28.8
31.4	31.2	30.4	25.7	**25.5**	25.7	**25.5**	25.6	25.6	25.6	25.7	**25.5**	27.5
28	28.3	27.9	**28.7**	28.1	27.2	26.5	26.9	25.9	25.3	25.2	25	26.3
24.1	24.5	25	24.9	24.8	24.7	24.8	24.6	24.2	24.2	24.6	24.6	**24.8**
25.4	26.8	**27.3**	27	**27.3**	26.5	25.7	25.5	25.7	25.2	24.9	24.9	25.2
30	30	29.4	29.2	28.9	28.3	27.9	26.5	26.2	26.7	27	26.4	27.5
31.7	**32.2**	31.5	32.1	28.9	28	28.2	27.1	26.3	26	26	26.4	28
30.6	29.4	**31**	30.3	30.2	28.9	28.4	28.2	28	27.8	27.5	27.2	28.2
30.5	30.4	**31**	30.2	29	27.4	27.8	28	27.3	26.1	25.8	25.8	27.8
29	29.6	**30.2**	30.1	29	28.1	26.8	26.7	26.6	25.8	25.2	**25.1**	27.4
31.4	31.3	31.3	31.1	29	28.4	27.6	27.7	27.6	27.4	26.5	25.4	28.1
31.2	29.8	30.2	29.2	28.4	28	27.8	26.8	26.3	26.1	25.7	25.6	27.8
30.7	**31.2**	31	28.5	27.2	26.8	27.1	27.2	27.2	26.3	25.5	**24.9**	27.3
29	29.8	**30.3**	28.8	29.5	28.6	27.8	27.9	27.2	26.8	27	27.7	27.2
30.7	**31.1**	30.9	30.7	30	28.8	28	28	27.9	27.8	27.7	25.7	27.8
29.9	**31.4**	30.2	30.8	28.4	27.4	27.3	27.5	27.1	25.9	25.5	25.2	27.7
31.8	31.7	31	31	30.6	29.4	28.8	28.7	28.6	28.2	28.2	28.1	28.5
30.4	31	31.2	31.1	29.8	28.7	28.1	28	27.8	27.8	27.1	27.1	28.6
30.6	**30.8**	30.2	30.2	29.8	28.9	27.9	27.8	27	26.2	26.3	26.3	28
25.7	25.6	25.4	26	26.2	25.7	25.3	25	25.1	24.9	**24.8**	25	25.8
32.2	32.2	**32.3**	27.5	28.1	29.1	28.4	28.1	26.2	25.8	25.4	25	27.5
32.8	**33.4**	31	32	31.7	29.9	29.2	28.7	28.2	27.4	25.7	25.1	28.4
30.2	29.5	**31.2**	31	30.6	28.4	27	24.9	24.6	24.4	23.7	**23.6**	27.3
29.4	29.3	28.3	28.2	27.7	26.8	25.1	24.6	24.5	24.3	24.4	24.6	26.5
30.5	**30.7**	30.6	30.1	29.2	28.3	27.5	27	26.6	26.3	26	25.7	27.6

RELATIVE HUMIDITY (%)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	85	87	88	89	89	**90**	86	76	76	75	74	68
2	86	88	90	89	91	**92**	90	84	68	65	61	64
3	89	91	92	92	92	91.5	81	75	66	66	65	63
4	95	94	94	95	**96**	**96**	83	77	70	62	69	66
5	88	90	86	89.5	92	91	84	72	69	65	59	56
6	94	94	**96**	**96**	**96**	93	91	79	70	74	69	67.5
7	90	89	90	91	91	92	**94**	83	77	67	65	68
8	83	87	88	88	88	85	76	77	68.5	68	**67**	**67**
9	90	94	**95**	93	92	94	93	90	92	93	92	85
10	**92**	92	92	92	92	**88**	**88**	96	95	95	98	**100**
11	**96**	97	**98**	96	95	96	97	94	93	92	93	93
12	**93**	95	94	95	**96**	95	86	77	78.5	80	**71**	77
13	91	94	**97**	**97**	96	93	81	75	72	69	72	69
14	92	85	90	93	**94**	93	84	74	**70**	72	78	72
15	83	85	87	89	89	91	84	81.5	77	90	76	72
16	86	89	91	**93**	92	**93**	89	80	72	79	75	71
17	94	**95**	93	**93**	94	94	83	73	71	77	72	**68**
18	94	93	94	**95**	**96**	89	89	77	75	66	66	**65**
19	92	93	**95**	**95**	**95**	**95**	85	87	85	81	76	72
20	94	94	**95**	93	94	**95**	94	**90**	91	90	77	72
21	85	92	**94**	**94**	**94**	92	92	84	74	68	68	66
22	88	85	91	92	**95**	**95**	83	80	77	76	73	70
23	93	94	93	94	**95**	94	**92**	82	71	**69**	73	70
24	85	92	**95**	92	**95**	94	81	77	77	**68**	71	75
25	86	90	90	93.5	93	**94**	93	88	75	73	74	75
26	87	89	90	92	92	92	91	87	**80**	81	81	89
27	91	93	92	93	93	**94**	83	81	69	68	67	70.5
28	94	94	**95**	91	93	93	83	75	71	71	66	64
29	93	94	94	96	96	95	83	77	72	72	73.5	72
30	**96**	**96**	95	94	95	93	83	76	**71**	79	79	75
Mean	90.2	91.5	92.5	92.8	**93.4**	92.8	86.7	80.8	75.8	75	73.4	72.1

VAPOR PRESSURE ($^{\mathrm{mm}}$)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	21.2	21.5	21.6	21.7	21.7	22.1	22.5	22	23.1	23.2	23.8	23.6
2	21.5	21.3	21.3	**21**	21.3	21.6	22.3	22	21.4	22.8	22.2	**23.2**
3	21.5	21.3	21.4	21.2	21	20.9	21	21.8	22	22.1	22.1	22.1
4	21.1	**21**	**21**	**21**	21.1	21.2	22	22.9	22.4	21.6	22.9	23
5	22.7	22.9	22.5	22.6	23	23.3	23.2	23.1	22.6	23.1	21.7	**21.4**
6	23.4	23.2	23.3	23.2	23.1	23	23.3	23.4	24.1	24.3	24	23.9
7	22.6	22	22.3	22.4	22.3	22.2	23.2	**24.6**	**24.6**	23.8	23.7	23.7
8	**21**	21.3	21.4	21.4	21.5	21.1	21.7	23.1	22.3	22.2	22.4	23.2
9	**21.5**	22	21.9	22	21.9	22.1	22.2	22.5	22.8	22.9	23.8	23.8
10	21.6	21.5	21.6	21.7	21.7	21.4	21.4	21.9	22.1	23	**24**	22.2
11	21.7	21.5	21.5	20.9	**20.6**	**20.6**	21.3	22.6	22.1	21.9	22.1	21.8
12	22.3	22.5	**21.9**	**21.9**	22	22.1	22.4	22.8	23.6	**24.2**	23	23.7
13	21.9	21.9	21.9	21.8	**21.7**	22	22	22.8	22.9	23.4	23.2	23.3
14	22.4	**21.6**	22	22.2	22.1	22.2	22.7	22.2	22.4	22.7	23.3	23.1
15	22.3	22.1	22.1	21.9	22	22.1	**21.8**	22.4	22.9	23.7	**24.7**	24
16	22.5	22.5	22.3	**22.8**	**22.8**	22.7	22.5	22	22.6	22	**20.8**	21.4
17	22.1	22.4	21.8	21.7	**21.6**	21.9	22.8	22.6	23.7	**24.5**	23.9	23.3
18	22.4	22.2	22.6	22.7	23	22.7	23.5	**23.7**	22.9	22.4	22.6	22.2
19	22.2	22.3	22.5	22.6	22.4	22.4	22.8	23.2	23	**25**	22.2	22.6
20	22	22	21.9	22.2	21.6	21.8	22.4	23	23.7	**24**	22.3	22.1
21	21.6	21.3	21.2	**21.1**	**21.1**	21.2	21.3	22.3	21.7	21.4	21.4	21.5
22	21.4	20.7	21.6	21.4	21.7	21.8	22.2	23.6	**23.7**	23.2	23.6	23.6
23	22.1	22.3	22.1	**21.9**	**21.9**	22.1	22.5	23.1	22.8	23.2	**24.5**	24.3
24	23.9	23.5	23.3	22.8	23.3	23.1	23.7	24.3	23.2	23.3	24.3	**24.6**
25	22.8	22.9	22.9	23.2	23.1	23.2	23.6	22.9	22.9	22.8	23.1	23.4
26	22	21.9	22	21.7	21.6	21.7	22	22.7	22.3	**23.2**	22.1	22.2
27	21.2	20.8	20.9	20.7	**20.4**	20.5	21	21.8	21.5	22.2	22.3	23.1
28	21.9	21.8	21.6	20.5	20.4	**20.2**	21.5	22.9	22.8	**23.6**	23.4	22.9
29	21.7	21.6	21.6	21.7	21.9	21.7	22.1	23.4	23.6	23.6	23.4	23.8
30	21.5	21.2	20.9	20.6	20.5	21	21.7	21.6	22.3	23.4	**24.4**	24.3
Mean	22	21.9	21.9	**21.8**	**21.8**	21.9	22.3	22.8	22.8	**23.1**	23	23

RELATIVE HUMIDITY (%)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
65	63	**51**	53	62	67.5	71	75	78	81	80	85	**75.6**
59	65	67	68	74	73	78	82	82	86	83	90	78.1
58	**56**	72	66	64	69	69.5	**94**	93	92	**94**	**94**	78.5
63	56	**55.5**	60	64	69	70	78	83	84	82	86	77
55	59	65	68	71	73	92	91	92	93	**94**	93	78.6
67	63	64	**60**	70	78	83	86	85	84	88	90	80.7
74	69	61	**60**	**60**	74	79	83	82	83	85	82.5	78.7
68	69	74	93	94	93	94	**95**	93	94	93	91	83.1
85	80	83	80	**78**	85	90	87	89	93	93	92	89.1
99	93	93	94	95	97	97	95	97	97	97	96	**94.6**
93	87	**84**	86.5	**84**	88	93	93	91	95	95	96	92.7
75	73	72	74	78	82	84	92	92	86	84	86	84
68	**67**	71	68	80.5	85	79.5	88	92	92	94	87	82.4
73	81	75	75.5	74	75	77	78	79	79	82	84	80.4
72	72	**70**	75	77	83	82	82	86	92	**93**	91	82.5
71	70	**69**	71	75	79	86	85	85	90	**93**	**93**	82.4
68	71	70	70	79	79	82	83	81	84	89	94	81.5
69	72	**65**	74	77	77	81	86	89	89	91	92	81.7
70.5	71	71	81	86	83	83	83	83.5	89	92	94	84.9
78	71	**69**	78	72	76	78	78	81	84	83	76	83.5
66	69	67	**65**	67	73	76	77	78	77	78	89	78.5
75	**69**	73.5	70	72	72	78	79	83	90	93	93	81.4
69	**69**	72	73	73	76	78	80	80	82	82	83	80.7
76	71	73	73	77	78	82	83	82	82	86	87	81.3
72	72	72	**71**	74	74	80	79	85	87	87	87	81.9
88	87	90	90	88	87	93	93	94	**95**	94	91	89.2
59	61	64	85	85	84	77	74	89.5	92	93	**94**	81.3
61	**57**	65	64	63	69	69	71	77	80	92	93	77.1
73.5	79	**67.5**	69	72	82	78	94	97	94	**98**	**98**	84.1
79	79	82	85	85	87	86	87	88	91	92	91	86
71.6	**70.7**	70.9	73.3	75.7	78.9	81.5	84.4	86.2	87.9	89.3	90	82.4

VAPOR PRESSURE (mm)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
23.9	**24.2**	**20.9**	21.4	21	21.4	21.4	21.5	21.5	21.6	21.1	21.6	22.1
21.5	22.4	21.9	21.7	**23.2**	22.2	22.7	22.7	22.7	23	22	22	22.1
21.7	21.8	**23.6**	23.2	22.7	22.8	20.8	**19.5**	20.9	21	21.1	21	**21.6**
23.1	21.3	21.3	22	22.6	22.9	22.1	22.6	22.6	22.9	22.2	22.4	22
21.5	23.5	**24**	23.1	23.3	23.6	22.5	23.4	23.6	23.4	23.4	23.1	22.9
24.1	23.3	**24.6**	23.9	**21.6**	23.1	22.8	22.8	22.9	23	23	22.9	23.3
23.9	24.4	23.3	22.9	21.3	22.9	22.2	22.6	22.1	22.1	21.9	**21.2**	22.8
23.1	23.5	**24**	22.7	22.8	22.7	22.8	23.2	22.8	22.9	22.7	22	22.4
23.9	22.9	23.2	23.3	22	22.8	23.2	22.9	22.2	22.2	22.2	21.7	22.6
22.1	**21.3**	22	22	22.1	22.3	22.5	21.8	21.8	21.8	22.2	22	22
22.5	22.8	22.5	**22.9**	22.5	22.6	22.5	22.6	22.3	22.6	22.2	22.4	22
23.5	23.1	22.1	22.3	23.2	23.6	23.4	23.6	23.2	22.5	22.3	**21.9**	22.8
23.6	23.9	**24.3**	24.2	23.8	23.9	22.5	23.5	23.3	22.9	23.3	22.7	22.9
23.8	24.7	**24.9**	24.2	23.7	22.1	22.3	22.1	22.3	22	22.4	22.6	22.8
23.5	23.1	23.3	24.1	22.9	22.5	22.8	22.9	23.1	23	22.8	22.4	22.8
21.1	21.5	22	22.4	22.3	22.4	22.4	22.1	21.9	22.3	22.2	22.1	22.2
23.3	24	23.8	23.5	23.6	22.7	22.5	22.9	22.3	22.9	22.8	22.7	22.9
23.5	22.4	**20.7**	22.2	22.3	21.7	22.4	22.4	22.5	22.2	22.3	22.4	22.5
23.1	23.9	23.6	23.4	23	**21.8**	22.3	22.2	22.4	22.5	22.2	22	22.7
23.1	22.2	22.1	22.8	22.2	22.1	21.6	21.8	21.8	22	21.9	**21.1**	22.2
21.7	**23.3**	22.4	21.2	21.3	21.4	21.3	21.7	21.8	21.4	21.5	21.9	**21.6**
23.6	23.5	23.4	23	20.7	**19.5**	20.9	21.6	22.3	22.4	22.4	22.2	22.2
24	24	24	**24.5**	23.8	23.3	23	23.3	23.4	23.4	23.4	23.4	23.2
24.4	23.8	24.5	**24.6**	23.9	22.9	23.3	23.3	**22.6**	22.8	22.8	23.1	**23.6**
23.4	**23.7**	23	22.8	23.1	21.9	22.3	**21.8**	22.5	22	22.1	22.1	22.8
21.7	**21.2**	21.7	22.5	22.2	21.3	22.3	22	22.3	22.2	21.9	21.3	22
21.1	22	23	23.2	24.1	**25.2**	22	21	22.6	22.7	22.3	22.1	22
22.5	21.8	21.6	22.5	21.9	21.7	20.7	20.9	21.7	21.7	22.5	22.1	21.9
23.4	**24.1**	22.8	23.2	23.4	23.5	**20.7**	22	22.2	21.3	21.4	21.3	22.5
24.2	24	23.6	23.8	23.5	22.8	20.4	**20.1**	**20.1**	20.6	21	20.8	22
23	**23.1**	22.9	23	22.7	22.5	22.2	22.2	22.3	22.3	22.2	22.1	22.4

CLOUDS—FORM AND DIRECTION

Day.	8 a.		9 a.		10 a.		11 a.		Noon.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	A.-Cu.	Cu. E	A.-Cu. EbyS	Cu. E	A.-Cu.	Cu. E	A.-Cu.	Cu. E	A.-Cu.	Cu.
2	Ci.-S.	Cu.-N.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu. EbyN	A.-Cu.	Cu. EbyN
3	Ci.-S.	Cu.	Ci.-S.	Cu. ENE		Cu.		Cu.		Cu.
4	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.		Cu.		Cu.
5	Ci.	Cu.	Ci.	Cu. ESE	Ci.	Cu. ESE	Ci.	Cu. ESE	Ci.	Cu. ESE
6	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E		Cu. E		Cu.
7	A.-Cu. E	Cu. SE		Cu. ESE	Ci.-Cu. E	Cu. ESE	Ci.-S.	Cu. ESE	Ci.	Cu. ESE
8	A.-Cu.	Cu.	A.-Cu.	Cu.	A.-Cu. ESE	Cu. E	A.-Cu.	Cu.		Cu.
9		N. NNE		N. NNE		N. NNE		S.-Cu. NNE	Ci.-S.	N.-cf. NNE
10		N. NNE		N. NE		N. SW		N. WSW		N.
11	Ci.-S.	S.-Cu.		N.		N. S		N.		N. S
12	A.-Cu.	Cu.		Cu. SSW		Cu. SSW		Cu. SSW		Cu. SSW
13	A.-Cu.	Cu.	A.-Cu.	Cu. SSE		Cu. SSE		Cu. SSE		Cu.-N. S
14		Cu.	Ci.	Cu.		N. WSW		Cu. WSW		Cu. WSW
15	Ci.-S.	Fr.-N. SW	Ci.-S.	Cu. SW	Ci.-S.	Cu. SW	Ci.	Cu. SW	Ci.	Cu.-N. SW
16		Cu. WSW		Cu. WSW		Cu. WSW		S.-Cu.		Cu.
17		Cu.		Cu.-N. WSW		Cu. WSW		Cu.-N. WSW		Cu. WSW
18		Cu.		Cu.	A.-Cu. W	Cu.		Cu.		Cu.
19	A.-Cu. W	Cu.	A.-Cu. W	Cu.	A.-Cu. W	Cu. SW	A.-Cu.	Cu. SW		Cu.
20		N. WSW		N. WSW		N. WSW	Ci.-S.	Cu.	Ci.-S.	S.-Cu.
21	A.-Cu. W	Cu. SW		Cu. SW		Cu.		Cu.		Cu.
22	Ci.	Cu. SW		Cu. SW		Cu.-N. SW		Cu. SW	Ci.	Cu.
23		N.-cf. W	Ci.	N.-cf. W		Cu. W	Ci.	Cu.	Ci.	Cu.
24	Ci. E	Cu. WSW		Cu. WSW	Ci.	Cu. WSW		Cu. W	A.-Cu.	Cu. W
25		Cu.-N.	Ci.	Cu. W	A.-Cu.	Cu.	A.-Cu.	Cu. W		Cu. W
26		N. WSW		Cu.-N. WSW	Ci.-S.	Cu.-N. WSW		Cu.-N. WSW		N. WSW
27	A.-Cu. S	Cu.	A.-Cu. S	Cu.	A.-Cu. S	Cu.	A.-Cu.	Cu.		Cu. SbyE
28		Cu.		Cu.		Cu. ESE		Cu.		Cu.
29		Cu.		Cu.		Cu. E		Cu. E		Cu.
30	Ci.-S.	Cu.		Cu. N	A.-Cu.	Cu. N	Ci.	Cu. N	Ci.	Cu. N

Day.	1 p.		2 p.		3 p.		4 p.		5 p.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	A.-Cu. SE	Cu. E	A.-Cu.	Cu. E		Cu. E	Ci.-S. S	Cu.-N.		Cu.-N.
2	A.-Cu.	Cu. E	A.-Cu.	Cu.-N. E	Ci.-S.	Cu.-N.	A.-Cu.	Cu.-N. E	Ci.-S.	Cu.-N. E
3		Cu.-N.		Cu.-N.	Ci.-S.	Cu.-N.	A.-Cu.	Cu.-N.	A.-Cu.	Cu.-N.
4		Cu.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.
5	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.		Cu.		Cu.
6		Cu.	Ci.	Cu. E	Ci.	Cu.		Cu.-N. E		Cu.-N.
7		Cu. ESE	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu. E		Cu. E
8		Cu.-N. ENE		Cu.-N. ENE		Cu.-N. ENE		N.		N.
9		N. NNE		S.-Cu. NNE		N. NNE		S.-Cu. NNE		N. NNE
10		N.		N.		N.		N. SSE		N.
11		N. S	Ci.-S.	Cu.	Ci.-S. S	Cu. SW		S.-Cu. SW	Ci.-S.	S.-Cu. SW
12		Cu. SSW	Ci.-S. NNW	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.
13		Cu. S		Cu. S	Ci.	Cu. S		Cu.-N.		Cu. SW
14		Cu. WSW	Ci.	Cu.-N.	Ci.	Cu.-N.		Cu. WSW		S.-Cu. WSW
15	Ci.	Cu. SW	Ci.	Cu. SW	A.-Cu.	Cu.-N. SW	Ci.-S.	Cu.-N. SW	Ci.-S.	Cu.-N. SW
16	Ci.-S.	Cu. WSW	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu. WSW	Ci.-S.	Cu.
17	Ci.-Cu.	Cu. WSW		Cu. WSW		Cu.		Cu.		Cu.
18		Cu.		Cu.-N.		Cu. WSW		Cu.-N.		S.-Cu. WSW
19	Ci.	Cu.		Cu.	Ci.	Cu.-N.		Cu.-N. WSW		N. WSW
20	Ci.-S.	Cu. WSW	A.-Cu. W	Cu.	A.-Cu. W	Cu.-N.	A.-Cu. W	Cu.-N.	Ci.	Cu.-N.
21		Cu.		Cu.		Cu.		Cu.		Cu.
22	Ci.	Cu. WSW	Ci.	Cu. WSW		Cu. WSW	A.-Cu. WNW	Cu. WSW	A.-Cu.	Cu. WSW
23	Ci.	Cu.		Cu.	Ci.	Cu. W		Cu. W		Cu. W
24	A.-Cu.	Cu.		Cu.-N.	A.-Cu.	Cu.		Cu.-N.		Cu.-N.
25	A.-Cu.	Cu. W	Ci.	Cu. WSW		Cu. W	Ci.	Cu. W	Ci. ENE	Cu. WSW
26		N.		N.	Ci.-S.	Fr.-N. SW	Ci.-S.	N. SSW	Ci.-S.	Fr.-N. SW
27		Cu.		Cu. SSW		Cu. S		N. SSW	A.-Cu.	N. SSW
28		Cu.	Ci.	Cu.-N.	Ci.	Cu.-N.	Ci.	Cu.-N.	Ci.	Cu.-N.
29		Cu.-N. ENE	Ci.	Cu.-N. ENE		Cu.-N. E		Cu.-N. E		Cu. E
30		Cu. N		Cu.		Cu.		Cu.-N. SW		Cu.-N. N

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	E 1.5	ENE 1	Calm	Calm	Calm	NE 0.5	Calm	Calm	W 1	WNW 1	W 1	WSW 1
2	NE .5	NE 1	NNE 1	Calm	NNE 1.5	NNE .5	Calm	NNE 0.5	NE .5	SSE 1	ENE 2.5	ESE 2
3	N 2.5	NNE 2.5	NE 2	Calm	NE .5	Calm	Calm	NW 2	WSW 2	W 2.5	W 3.5	W 3.5
4	Calm	Calm	N 1	ENE 1.5	E 1.5	Calm	Calm	ESE .5	SE 1	SE 1	WSW 2.5	W 2.5
5	NE 2.5	NE .5	W 3.5	Calm	Calm	E .5	E .5	ESE 1	ESE 1.5	SE 1.5	SSW 1	SW 1.5
6	E 1	NE 1	Calm	NE 1	Calm	N 1.5	NE 1	NE .5	Calm	WSW 1.5	WNW 4	W 1
7	NE 1	NE 3.5	NNE 2	NNE 1.5	NNE 1.5	NE .5	ESE .5	ESE .5	SW .5	ESE .5	E 1	W 2.5
8	E 1	Calm	NE 1	NNE .5	NE 1	NE 1	NNE .5	N .5	NW 1	W 1.5	W 1	SW 1
9	N 2	Calm	N 2	NNW 2	NNE 1.5	N 1.5	N 1.5	Nbyw 3	N 1	Calm	NNW 3.5	NW 1
10	NbyW 3.5	NNW 3.5	NWbyN 6	NWbyN 5.5	NWbyN 9	NW 10	NW 11	NNW 10	N 1	SSE 4	SSW 17	S 8
11	SSE 2	SE 1	SE 1.5	SSE 5.5	SE 3.5	SE 1	Calm	SE .5	SSE 2	SSE 4.5	S 4.5	SSE 2
12	SSE 1	SE 1.5	ESE 1	Calm	ESE .5	ESE .5	SE 1.5	SE 1	SSW 1	ESE 1	SSE 1	SE 1
13	SE 1	Calm	Calm	Calm	Calm	SEbyE .5	Calm	SSW 3	SE 2	SSE 1	SSE .5	Calm
14	SSE 1	SSE 3.5	SE .5	ESE 1	SE 1	ESE .5	EbyS 1	SE 2.5	SSE 1	SW 1	Calm	WSW 2
15	SSW 2.5	SW 4	SE 1	SSW 1.5	S 1	SE 2.5	SSE 2	SSE 2	S 2	SW 6	S 4.5	SW 4
16	S 1.5	SE 1	SE 1.5	SE 1	Calm	Calm	SSW 2	SW 5	SW 4.5	WSW 14	W 5	WNW 4.5
17	E 1	E 1	E 1.5	E 1	E 1	E .5	ESE .5	SE 1.5	SSW 2	WSW 7	WSW 4.5	WSW 8
18	SE 1	WSW 1	SE 1.5	SE 1.5	SE 1	S 1.5	S 1	SSW 2	S .5	SSW 1	SW 3	SW 3
19	Calm	NNE 1.5	NNE 1	Calm	NE 1.5	E .5	Calm	Calm	WNW 1	SW 3.5	SW 2.5	SW 2
20	Calm	E 1	Calm	SW 5.5	Calm	SE .5	SE .5	SW 1	S .5	Calm	SSW 1	WSW 2
21	NNW 2.5	NNE 2	NE 1.5	Calm	Calm	E .5	NNW 1	WSW .5	SW 3.5	WSW 2	WSW 2.5	SW 6.5
22	SSW 3.5	SSW 3.5	SSW 1	Calm	E 1.5	E .5	E .5	E .5	SW 1	S 1.5	W 2	SW 4
23	Calm	Calm	ENE 1	E .5	E .5	Calm	NE .5	WSW .5	W 4	SW 3	SW 3.5	swbyw 5
24	SSW 2	SE .5	E 1	ENE .5	Calm	E .5	SE .5	SW 1	SWbyW 4.5	WSW 8	WSW 5	SW 4.5
25	SSW 3.5	SSW 2.5	SSW 3.5	SSE 1.5	SSW 3.5	WSW .5	SSW 1	NW 5.5	SW 4	SW 4	WSW 5.5	swbyw 6
26	SSW 2.5	SSE 2	S 1	SE 1.5	ESE 1	ESE .5	E .5	SW .5	SSW 2	SW 5	SW 4	SW 5
27	SSE 1.5	SSE 1.5	SE 1	SE 1	ESE 1.5	ESE .5	SE 1	ESE 2	ESE 1	SE 4	ESE 5	SE 1
28	E 1	E .5	ENE 1.5	Calm	Calm	E .5	E .5	E 1	SE 2	SE 2	ESE 1	SE 1
29	E 2	E 1.5	ENE 1	Calm	Calm	NE .5	NE .5	NE 1	Calm	NW 2	WSW 3	WSW 2
30	NNE 2	NNW 2	N 2	N .5	N 1.5	Nbyw 2.5	NbyW 1.5	NNE 1	NNE 2.5	NW 4	NW 4.5	W 6
Mean	1.6	1.5	1.4	1.2	1.2	1	1	1.7	1.7	3	3.3	3.1

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
1	W 3.5	W 2.5	ESE 4.5	ESE 5	ESE 2.5	ESE 2	ESE 2	ESE 1.5	ESE 2	ESE 1.5	ESE 1.5	Calm	1.5
2	ESE 3	Calm	NE 5	NE 2	ENE 1.5	ESE 1.5	Calm	Calm	NNE .5	NE .5	NNE 2	NNW 2.5	1.2
3	WSW 3	W 2	Calm	ENE 3.5	ENE 2	Calm	SSW 6.5	NNW 3.5	NNE 3	NNE 1.5	ENE 1.5	E .5	2
4	WNW 2	W 1.5	W 3	WbyS 5	SW 3	SW 3	SW 3	SSE 3.5	SE 1.5	Calm	Calm	NE .5	1.6
5	WbyS 1.5	W 3	WSW 3.5	SW 5.5	SW 3.5	SW 3.5	ESE 2	SSE 2.5	SSW 1.5	E 1	Calm	Calm	1.7
6	W 2	W 3	W 1	WSW .5	NE 1	NE .5	NE .5	E 1	Calm	E 1	Calm	Calm	1
7	WNW 2.5	NW 2	WNW 1.5	W 1	SE 1.5	NE 1	NNE 1.5	ESE 1	E 1	E 1.5	E 1.5	E .5	1.3
8	WSW .5	SW 1.5	SE 1.5	ESE .5	SSE .5	SSE .5	SE 1.5	Calm	NE 1.5	NNE 1.5	NNW 3.5	NNW 2.5	1.1
9	NW 2	WNW 1	SW .5	N .5	NNW 1	NNW 1.5	NNW 1.5	NNW 3	NWbyN 4.5	NNW 5.5	NNW 3.5	NNW 4.5	2
10	SE 9	SE 7	SE 5	SEbyE 4.5	SE 3	ESE 3.5	SEbyE 3	SE 3.5	SE 2.5	SE 1	SE 2	S 2	5.6
11	SE 2	S 1.5	SSE 1.5	E 1.5	SSE 1	SE .5	Calm	SSE 1.5	SSW 1.5	Calm	SE 1	Calm	1.7
12	SW .5	WSW 1.5	WSW 4	WSW 2	WSW 1.5	WSW 1	Calm	SSE 1	SE 1	SSW 3.5	SSW 5.5	S 3.5	1.5
13	W .5	WSW 2.5	WSW 8	SW 7	NE .5	E 1	S 2	SE 1.5	Calm	SE 1	E 1	SW 2.5	1.5
14	W 1	W 1	WSW 5	WSW 5.5	WSW 5	SW 7	SW 4	SSW 3.5	SSW 3.5	SSW 3.5	SW 2	SSW 2.5	2.4
15	SW 7	SW 6.5	WSW 8.5	SW 2	SSW 7	SW 7	SW 3.5	SW 3.5	S 1	SE 1.5	SE 1	S 1.5	3.5
16	WNW .5	WNW 1	WNW 2	WNW 2	WNW 1	NNW .5	Calm	SSW 3.5	SSW 3	E .5	E 1	NE 1	2.8
17	WSW 6.5	SW 7	SWbyW 4.5	SW 6	WSW 5.5	SW 3	SW 3	SW 6	SW 5.5	SW 4.5	SE 1	SE .5	3.4
18	WSW 4.5	wsw 11	WSW 7	WSW 5	WSW 3	wbyN 2	SW 3.5	SW 1.5	Calm	S 1.5	Calm	SW .5	2.4
19	WSW 4	SW 4	WSW 8.5	WSW 5	SW 3.5	SW 5	SW 3	SW 5	WSW 2	SE 1	SE 1.5	Calm	2.3
20	WSW .5	SWbyW 6	SW 4.5	W 1.5	SW 5.5	SW 4.5	SW 2	SSW 3.5	SSW 3	SSW 2.5	SW 3.5	SW 4.5	2.2
21	WSW 5.5	WSW 2	WSW 5	WSW 7.5	WSW 5.5	SW 3.5	SW 2	WSW 5.5	SW 3.5	WSW 5.5	SW 3.5	SSW 5	3.2
22	SW 7.5	SW 7	WSW 7	SWbyW 4.5	WSW 9	WNW 6	NW 2	SW 1.5	WSW 1.5	Calm	SE .5	E .5	2.8
23	SW 5	WSW 6	WSW 7	WSW 7.5	WSW 5.5	SW 6.5	WSW 6	WSW 6.5	WSW 4.5	WSW 3.5	WSW 5.5	WSW 3.5	3.6
24	SW 6	SW 6	SW 5.5	SWbyW 7.5	SW 4	WSW 7.5	WSW 4.5	WSW 3.5	SW 3.5	SW 6.5	SW 4.5	SW 4.5	3.8
25	SW 7	SW 6.5	WSW 7	WSW 7	WSW 4.5	WSW 2	WSW 3	W 3.5	SW 3.5	S 2	SSW 2.5	SW 3.5	3.9
26	SW 5	SW 6	SW 3.5	SSW 4	SSW 4	SSW 2	SW 2	SE 1	SW 2.5	SE .5	SE 1.5	SSW 3.5	2.5
27	SW 5.5	WSW 4.5	WSW 5	SW .5	SE .5	Calm	SW 3.5	SSW 3	SE 1	E 1.5	E 1	Calm	2
28	ESE 3	SE 3.5	WbyS 6	WSW 2.5	WSW 4	SW 2	SW 3	SW 3.5	SW 3.5	WSW 2	ENE 2.5	E 1.5	2
29	WSW 3.5	WSW 2.5	WSW 4.5	SW 5.5	SW 2.5	SW 3.5	NW 6	ENE 1	Calm	N 1 5	NNE 1	Calm	1.5
30	W 3.5	SW 1	SW 1	Calm	E .5	NE 2.5	NE 2.5	NE 2	NE 1.5	E 1.5	N 1	NNE 1	2
Mean	3.6	3.7	4.4	3.7	3.1	2.8	2.6	2.7	2.1	2	1.9	1.8	2.3

WIND—VELOCITY IN KILOMETERS PER HOUR

Day.	Mdt.–1 a.	1–2 a.	2–3 a.	3–4 a.	4–5 a.	5–6 a.	6–7 a.	7–8 a.	8–9 a.	9–10 a.	10–11 a.	Noon.
1	5	3.5	1	0	0.5	0	0.5	0	1	5	6	8
2	3	2.5	1	3.5	3.5	2.5	0	1	.5	.5	10	12.5
3	8	9	6	.5	.5	0	1	5	2.5	6	11.5	11
4	1.5	1	2	4	4	2.5	2	1.5	4.5	5.5	10	11
5	6	3	7	3	3	1	4	4	5	6	6.5	9.5
6	3	3.5	4	3	3	5.5	3.5	3	3	4	**12**	11
7	3	7.5	7.5	5.5	4	3	1	1	4	6	5.5	11.5
8	2.5	2	2.5	1	2	4	6	5	3.5	8.5	7.5	6.5
9	6.5	4	1.5	6	5.5	8	8	9.5	8	6	8.5	9.5
10	14	13	20.5	24.5	29	34.5	**42.5**	40	20	9	36	35
11	8	4	4	12	**16**	9	4	4	11	13	14	8
12	4	5	4	1	1.5	4	5	7.5	6	7	11	7
13	8	1.5	1.5	1.5	1.5	3.5	3.5	5	10	9	8	5.5
14	3.5	9.5	4	5	3	4	6	9	7	7	8	6
15	8.5	11	7	4	5	4.5	7	6.5	11	13	18.5	19.5
16	8	4.5	3.5	2.5	2.5	3.5	5.5	16	18	**38**	31	13
17	3.5	4	5	2	3.5	2	3.5	4	7	11	28	28.5
18	3	2	4	5	4.5	5	7.5	6.5	6.5	8	23	18
19	1	3.5	4.5	2.5	2.5	2	2	0	3	9	17	14
20	2.5	3	3	6.5	5.5	2.5	3	4.5	5.5	6	5	4
21	17	8	7	0	0	0	2	4	5	17	16	25.5
22	14	10.5	6	5.5	1.5	1	2.5	2	2	3	11	16
23	2	2	2.5	1.5	.5	1	1.5	4	11	20	25	23
24	12	3	2	3	1	1	.5	4.5	17.5	19.5	**28**	20
25	18	10	10	7	7	10	3.5	11.5	16	28	27	27
26	11.5	10	6	3.5	3.5	4	4	3	8	20	32	28
27	8	5	4	3.5	4.5	5.5	5.5	6	8	11	12	9
28	1.5	1.5	4.5	1	0	1.5	1.5	5.5	7.5	7.5	15	11
29	5	4	3	.5	0	.5	2	1.5	2	11.5	13	13
30	2	2	2.5	1.5	1.5	3.5	3	6	9	12	**20.5**	17.5
Mean	6.4	5.1	4.7	**4**	**4**	4.3	4.7	6	7.4	10.9	15.9	14.6

AMOUNT OF CLOUDS (0–10)

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.	
														h.	*m.*
1	9	8	8	8	7	5	5	4	3	3	3	6	5.8	4	50
2	5	5	4	5	6	8	8	8	9	10	9	8	7.1	3	50
3	6	3	4	2	2	3	3	4	5	3	2	7	3.7	8	20
4	2	3	3	3	3	4	4	2	3	2	2	3	**2.8**	**10**	**05**
5	3	1	4	3	5	5	5	5	5	8	8	7	4.9	7	55
6	5	5	4	5	4	5	4	2	4	4	8	8	4.8	8	00
7	7	7	5	7	7	7	7	6	6	6	8	6	6.6	8	00
8	7	5	7	8	9	8	8	9	10	10	10	10	8.4	2	30
9	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0**	**00**
10	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0**	**00**
11	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0**	**00**
12	7	5	6	8	8	9	9	7	8	8	7	7	7.4	1	35
13	7	4	4	3	7	8	8	7	8	8	9	8	6.8	7	35
14	3	3	3	8	8	8	7	6	2	7	6	7	5.7	7	10
15	8	9	9	9	9	9	8	8	7	6	7	8	8.1	5	20
16	10	8	9	9	8	8	7	8	9	9	9	9	8.6	3	15
17	4	4	4	4	4	4	4	5	4	4	5	4	4.2	8	50
18	9	4	4	7	4	5	6	5	9	8	10	9	6.7	7	05
19	7	8	5	5	5	3	4	3	6	9	10	8	6.1	5	45
20	8	10	10	10	9	9	10	9	9	8	8	9	9.1	0	45
21	10	8	4	3	3	2	2	3	3	3	2	3	3.8	8	10
22	6	7	4	7	7	7	7	6	5	5	8	9	6.5	7	50
23	9	8	6	5	4	4	4	3	7	7	3	5	5.4	7	20
24	6	4	8	4	7	6	8	4	5	5	4	5	5.5	8	00
25	8	10	6	7	7	7	9	5	6	6	6	6	6.9	7	35
26	9	10	10	10	10	10	10	10	10	10	10	10	9.9	**0**	**00**
27	4	7	4	5	5	6	8	3	5	7	9	7	5.8	7	05
28	4	1	1	2	2	3	4	5	4	2	2	3	**2.8**	9	50
29	0	0	3	3	3	3	8	7	7	6	6	8	4.5	7	30
30	6	3	4	5	6	5	5	8	8	8	8	9	6.2	4	50
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	169	00
Mean	6.6	6	**5.8**	6.2	6.3	6.4	6.7	6.1	6.6	6.7	7	**7.3**	6.5	5	38

WIND—VELOCITY IN KILOMETERS PER HOUR

Noon. 1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
9	10	15	**17**	15	14	10	7	7	5	3	2	6
10.5	8	12	**15.5**	8	3	1	.5	1.5	.5	6	7	**4.8**
9	9	8	5	5	.5	7.5	**26**	23	8.5	7.5	2.5	7.2
11	10	12	16	**19**	14	18	11	6.5	2.5	4	3	7.4
10.5	12.5	18	18	**19**	17	12.5	9.5	7.5	4	2.5	3.5	8
12	10	10	8	2.5	3.5	3	3	3	3	3	3.5	5.1
12	8	11.5	7.5	8	5	6	1.5	1.5	2	5	2	5.4
8.5	5.5	7	**12**	7.5	5.5	5.5	1.5	4	4	9	7	5.3
10	7	4	4	7	9	5	6	16	17	16.5	**19.5**	8.4
30	27	24	20	24	17	12	13	9.5	4.5	5	8	**21.3**
7	9.5	9	6.5	4.5	3.5	3	3.5	5	3.5	3.5	2.5	7
6	11	14	12	12	6	5	2	3	7	**17**	**17**	7.3
10.5	15	27	**30**	16	3.5	6	5.5	3.5	2.5	3.5	6.5	7.8
7	9	19	24	**28**	27	24	15	16	14	8.5	8	11.3
33.5	29.5	25.5	18.5	21	26	17.5	15	7.5	5	3.5	5.5	13.5
9	7.5	9.5	8	8	5	.5	2.5	10	5.5	2.5	3.5	9.1
32	24	24	22.5	23	23	17.5	24.5	20	17	7	1	14.1
22	**30**	**30**	25	20	5.5	12.5	9	1.5	2.5	3.5	2.5	10.7
15.5	18.5	28	**32.5**	30	26.5	16	18	13	5.5	3.5	1	11.2
9	13	21	16	17	**22**	18	15	12	9	7	14	9.3
23.5	25	**27**	25.5	24.5	26.5	21.5	21.5	18.5	19	13.5	18.5	15.2
25	29	30	25	**35**	26	14	5	3.5	3	2	2.5	11.5
25	25	27	**30**	28	28	24	27	19.5	19	19.5	16	15.9
26	24	27	23	22	23	21	17	17	21	25	23	15.9
29	25	24	26	20.5	17.5	17	12.5	13.5	8	7.5	12	16.1
23	25	15	12	15	17	11	7	8	3	4	7	12.1
15	**20.5**	18.5	12	2	4	13	11	5	4.5	4	2.5	8.1
12.5	11.5	**18.5**	9.5	11	10	11.5	15.5	16	11	7	7	8.3
14	11	15	12	14	13	15	**23**	1	5.5	2	2.5	7.7
14.5	12.5	5	6	5	7.5	8.5	6	4	2.5	2.5	2	6.5
16.4	16.1	**17.8**	16.6	15.7	13.6	11.9	11.2	9.2	7.3	6.9	7.1	9.9

FREQUENCY OF THE WIND

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW.	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1			1	1	1	9						1	4	1			6	144.5	4.3	.....
2		6	6	2		3		1								1	5	**114**	3.5	.....
3	1	3	2	3	1					1		2	4		1	1	5	172.5	3.6	17.3
4	1		1	1	1	1	3	1			3	1	4	1			6	176.5	4.8	.....
5			2		3	3	1	1		2	4	1	3				4	192.5	3.9	4.8
6	1		7		3							2	4	1			6	123	3.9	.....
7		4	4		5	4	1				1		2	2	1			129.5	3.8	.3
8	1	3	4		1	1	2	2			2	1	2		1	2	2	128	2	5.1
9	7	1									1			1	2	10	2	202	.6	9.2
10	2					1	10	1	2	1					1	6		**512**	**0**	**182.6**
11					1		8	8	2	1							4	168	.6	10
12						4	5	3	1	3	1	5					2	175	2.7	.....
13			1		2		5	2	1	1	2	2	1				7	188	3.9	.....
14						3	3	3		4	4	4	2				1	271.5	3.9	1.8
15							4	2	5	3	9	1						323.5	3	2
16			1		2		3		1	3	2	1	1	6		1	3	217.5	3.2	.....
17					6	1	3			1	7	6						337.5	4.1	1.3
18							4		4	2	5	6		1			2	257	3.6	1.7
19		2	1		1		2				8	4		1			5	269	2.7	2.3
20					1		2		1	4	8	3	1				4	224	2.9	.3
21		1	1		1					1	5	11				2	2	366	4.5	5.2
22					5		1		1	3	5	4	1	1	1		2	275	3.6	.3
23			1	1	2						4	12	1				3	382	**4.9**	.....
24				1	2		2			1	10	7					1	381	4.3	3.6
25								1	1	6	6	8	1		1			387.5	4.1	.8
26					1	2	4	1	1	6	9							290.5	.5	7.6
27					2	5	7	2		1	3	2					2	194	3	2.9
28				2	6	2	4				4	3	1				2	199	4.4	2
29	1	1	3	2	2						3	5			2		5	184	2.9	4.6
30	6	4	4		2						2	1	1		2	1	1	157	2.4	.....
Total	20	25	39	13	51	39	74	28	20	44	108	93	33	15	12	24	82	7,141.5	95.6	265.7
Mean	0.7	0.8	1.3	**0.4**	1.7	1.3	2.5	0.9	0.7	1.5	**3.6**	3.1	1.1	0.5	**0.4**	0.8	2.7	238	3.2	8.9

EXTREME VALUES

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		*°C.*		*Per cent.*	*mm.*	*mm.*		*°C.*		*Per cent.*	*mm.*
1	760.17	9.00a.	**35**	3.35p.	**90**	24.2	756.35	3.55p.	25.2	4.30a.	**51**	20.9
2	58.60	8.30a.	33.9	1.25p.	92	23.2	55.80	3.25p.	24.7	4.45a.	59	21
3	58.75	9.00p.	34.6	2.10p.	94	23.6	55.05	4.00p.	**22.9**	8.00p.	56	**19.5**
4	58.20	8.00a.	34.1	3.05p.	96	23.1	55.30	3.25p.	23	5.20a.	55.5	21
5	59.45	10.25p.	34.7	1.40p.	94	24	56.20	3.30p.	**25.6**	5.30a.	55	21.4
6	59.95	10.10p.	34.6	4.30p.	96	24.6	56.30	4.15p.	25.1	5.10a.	60	21.6
7	60	7.50a.	34.2	4.20p.	94	24.6	56.40	3.50p.	25.1	5.50a.	60	21.2
8	59.30	8.50a.	32.6	0.50p.	95	24	56.45	2.55p.	25.2	4.30a.	67	21
9	57.05	0.05a.	28.8	4.05p.	95	23.9	53.45	3.30p.	24.6	2.55a.	78	21.5
10	**55.05**	10.25p.	**26**	6.30a.	**100**	24	**49.43**	9.00a.	23.6	11.55a.	**88**	21.3
11	56.40	10.15p.	27.6	2.45p.	98	22.9	53.80	3.30p.	23.3	6.10a.	84	20.6
12	57.50	11.20p.	31.4	10.50a.	96	24.2	54.35	2.40p.	24.2	5.45a.	71	21.9
13	57.55	10.00p.	33.2	1.40p.	97	24.3	54.70	3.30p.	23.9	3.50a.	67	21.7
14	58.10	10.40p.	32	1.10p.	94	24.9	55.10	3.30p.	24.5	5.30a.	70	21.6
15	58.30	9.45a.	31.7	11.55a.	93	24.7	56.35	5.00p.	25.5	5.45a.	70	21.8
16	59.95	10.10a.	30.6	4.10p.	93	**22.8**	57	3.00a.	25.1	Midnight	69	20.8
17	59.10	8.40a.	32.2	3.20p.	95	24.5	56.70	4.25p.	24.2	5.30a.	68	21.6
18	58.35	9.30a.	32.5	11.15a.	96	23.7	56.65	2.55p.	24.8	1.35a.	65	20.7
19	58.05	10.00p.	31.7	2.05p.	95	25	55.10	3.20p.	24.8	5.30a.	70.5	21.8
20	58.50	10.40p.	30.5	2.40p.	95	24	56.03	4.00p.	24.5	5.15a.	69	21.1
21	59.80	11.00p.	31.5	2.05p.	94	23.3	56.85	3.15p.	23.8	4.30a.	65	21.1
22	59.55	0.05a.	32.1	0.35p.	95	23.7	**57.65**	3.45p.	24.3	4.30a.	69	**19.5**
23	59.10	8.25a.	32.3	2.40p.	95	24.5	57.25	3.40p.	24.5	4.30a.	69	21.9
24	58.80	0.15a.	32.2	11.40a.	95	24.6	56.70	2.40p.	25.2	5.35a.	68	**22.6**
25	58.45	0.05a.	31.1	2.45p.	94	23.7	55.05	4.00p.	25	4.45a.	71	21.8
26	56.90	11.15p.	29	10.20a.	95	23.2	54.45	4.30p.	24.4	11.45p.	80	21.2
27	58.55	11.00p.	32.8	1.10p.	94	**25.2**	55.30	3.35p.	23.3	5.45a.	59	20.4
28	**60.50**	11.05p.	33.9	2.15p.	95	23.6	57.30	4.25p.	23.4	5.45a.	57	20.2
29	60.20	7.05a.	32.6	3.20p.	98	24.1	57.30	4.40p.	23.6	Midnight	67.5	20.7
30	58.85	0.05a.	31.4	11.45a.	96	24.4	55.25	4.55p.	23.3	4.50a.	71	20.1
Mean	758.63	....	32	....	95	24	755.65	....	24.4	....	67	21.1

DAILY GENERAL REMARKS

1....Cloudy weather.
2....⊤ N in the afternoon.
3....☇ NE quadrant p in the afternoon; ⊛ at night.
4....Fair weather.
5....☇° different points in the forenoon; ☇° ESE, ⊛ in the evening.
6....☇ in the afternoon.
7....p° in the morning, d°, ⌒ in the afternoon.
8....d° 5.30 a m ; ⊤ E quadrant in the afternoon; ●° in the afternoon and evening.
9....●° in the morning; ⊛ at night.
10....Rainy and squally weather especially in the morning.
11....Somewhat rainy in the morning; d in the afternoon.
12....Overcast.
13....Somewhat gusty SWly winds in the afternoon.
14....d° in the morning; p, somewhat gusty SW winds in the afternoon.
15....d°, p in the morning; somewhat gusty SWly winds in the afternoon.
16....d°, gusty WSW winds in the morning.
17....●° in the morning; somewhat gusty SWly winds in the morning and afternoon.
18....Gusty WSW winds in the afternoon.
19....●° in the early morning and afternoon; somewhat gusty WSW winds in the afternoon.
20....d° in the morning; d in the afternoon.
21....●° in the morning.
22....●° in the early morning; somewhat gusty SWly winds; ⌒^{2}, p° in the afternoon.
23....Somewhat gusty SWly winds in the afternoon and evening.
24....Somewhat gusty SWly winds in the morning and afternoon; ☇ NW and NE quadrants in the afternoon.
25....●°, ⌒ in the morning; coloration of clouds at sunset.
26....d, ⊤° E in the afternoon; ● in the afternoon and night.
27....● in the afternoon.
28....⊛ at night.
29....⊤°, ●° in the afternoon; ● at night.
30....d°, ☇ E, NE in the afternoon.

OBSERVATIONS FOR JULY, 1919

ATMOSPHERIC PRESSURE, $700^{mm}+$

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	55.20	55.05	54.95	54.90	54.80	**55.26**	55.16	55.11	54.80	54.61	54.61	54.19
2	54.75	54.05	53.50	**53.40**	54.40	54.80	54.76	55.33	55.36	55.07	55.23	55.02
3	**57.25**	57.65	57.95	57.45	57.40	57.91	58.27	58.88	59.21	59.57	59.17	59.25
4	60.40	60.05	60.40	60.45	60.20	60.11	60	60.10	60.01	59.91	59.83	59.72
5	60.15	60.10	60.10	60.05	60.10	60.33	**60.58**	60.35	**60.58**	**60.58**	60.21	59.74
6	59.10	58.90	58.90	58.90	59.25	59.56	59.63	59.73	59.62	59.42	59.32	58.83
7	60.15	60	59.95	59.75	59.85	60.14	60.47	60.83	60.92	**60.98**	60.73	60.39
8	60.25	59.70	59.40	59.60	59.75	60.14	60.75	61.29	**61.38**	61.27	61.02	60.76
9	60.25	59.95	59.55	59.45	59.45	59.81	60.27	60.44	**60.58**	60.42	60.08	59.42
10	58.95	58.40	58.15	58.05	58.20	58.81	59.10	59.47	**59.61**	59.52	59.14	58.69
11	58.60	58.35	58.30	58.15	58.10	58.48	58.98	59.27	59.35	59.38	59.16	58.85
12	59.55	59.25	59.20	59.20	59.40	59.65	59.99	**60.16**	60.12	60.02	59.93	59.62
13	59.65	59.35	59.15	59.10	59.20	59.29	59.80	59.99	**60.12**	59.98	59.89	59.46
14	59.05	58.85	58.75	58.75	58.85	59.16	59.54	59.63	**59.74**	59.58	59.31	58.72
15	58.40	58	57.80	57.90	58	58.03	58.48	**58.55**	58.29	58.31	58.23	57.98
16	57.90	57.55	57.25	57.40	57.40	57.84	58.24	58.37	58.32	58.12	57.89	57.43
17	58.40	58.05	58	57.95	58.10	58.35	58.90	58.97	58.99	58.88	58.76	58.14
18	58.40	58.35	58.20	58.20	58.10	58.31	58.39	**58.41**	58.34	58.35	58.29	57.83
19	**58.10**	57.90	57.55	57.60	57.60	57.76	57.81	57.88	58.05	57.85	57.67	57.22
20	56.65	56.55	56.95	56.90	56.60	56.51	56.98	57.29	57.59	57.77	**57.94**	57.60
21	56.15	56.15	56.35	56.10	56.20	56.52	56.81	57.06	**57.34**	56.99	56.67	56.26
22	56.25	56.05	55.65	55.50	55.45	55.90	56.51	56.88	57.20	56.89	56.55	56.23
23	56.60	55.80	55.80	55.65	55.90	56.04	56.59	56.86	56.95	56.79	56.54	55.97
24	55.90	55.50	55.25	55.30	55.25	55.49	55.82	55.96	55.99	55.78	55.47	55.29
25	56.20	56	55.50	55.50	55.65	55.87	56.16	56.56	56.81	56.65	56.57	56.42
26	56.75	56.40	56.10	55.80	55.90	56.31	56.88	**57.19**	56.98	56.20	55.44	55.33
27	54.75	54.25	53.90	53.70	53.60	53.56	53.91	54.06	54.59	54.65	54.50	54.37
28	54.45	53.95	53.50	53.35	53.40	54.16	54.31	54.42	54.46	54.71	54.92	**55.04**
29	53.90	54.05	53.55	53.60	53.80	54.04	54.04	54.41	**54.84**	54.69	54.54	54.09
30	53.55	52.95	53.15	53.20	52.90	52.89	53.08	53.01	53.22	53.32	53.93	53.85
31	53.60	52.90	52.70	52.95	53.20	53.30	53.23	53.80	53.86	53.82	53.64	53.65
Mean	57.40	57.10	56.95	56.90	56.97	57.24	57.53	57.75	57.85	57.74	57.62	57.27

TEMPERATURE (°C.)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	24.3	24.1	24.4	24	24.1	24.6	25.3	26.7	28.7	28.7	29.8	29.4
2	23.2	23.2	23.6	23.8	24	24	24.1	24.7	24.9	25.2	**25.6**	25.2
3	21.8	**21.7**	23.1	22.5	22.6	22	23.1	24.2	25.2	26.3	26.3	26.1
4	22.7	**22.6**	22.8	23.3	23.2	23	23.5	26.5	27.6	28.5	29.7	30.2
5	24.7	24.4	24.4	24.1	23.5	**23.4**	25.3	27	28.4	29.3	30	30.4
6	24.7	24.2	24	23.9	**23.4**	**23.4**	25.7	26.8	29.3	30	30.4	30.9
7	23.9	23.9	23.3	23.2	**23.1**	**23.1**	24.7	27	28.4	28.3	28.9	30.4
8	24.1	23.8	23.7	23.3	**23.2**	**23.2**	25.9	28.1	29	29.6	29.5	30.3
9	25.5	25.1	24.6	24.5	23.9	**23.7**	26.2	28.8	29.6	30.1	30.3	31
10	23.5	22.6	22.2	22.1	22.1	**22**	24.6	27.5	29.1	30.3	30.5	31.9
11	25.3	24.9	24.7	25	24.8	**24.6**	26.3	28.8	29.2	30.5	31.2	32
12	25.5	25.2	25	25	24.8	**24.7**	26.6	29	30.8	31.1	31.4	31.7
13	25.1	25	25.1	**24.9**	25.1	25.1	26.8	29	30.1	30.8	31	31.3
14	26.5	26.3	26.4	26.1	25.8	25.9	27.1	29.1	29.8	30.3	31.5	32.4
15	23.7	**23.4**	**23.4**	**23.4**	23.6	23.7	25.8	28.6	30.2	30.5	31	31.7
16	24.3	24.2	**24.1**	**24.1**	**24.1**	**24.1**	26.3	28.3	30.1	30.2	31	31.6
17	25.1	24.9	24.8	24.6	24.6	24.4	25.7	28.3	28.8	30.6	29.5	30.7
18	23.3	**23.2**	23.3	23.3	**23.2**	23.3	24.4	26.6	28.2	29.9	29.5	30.4
19	24.7	24.6	24.3	24	23.6	**23.5**	25.6	27.7	29.5	30.3	30	30.1
20	24.4	24.2	24	23.8	23.8	**23.7**	24.3	25.6	26.7	26	25.5	25.3
21	24.3	24.1	24.2	**23.9**	**23.9**	24	26.5	28.2	29.2	30.8	30.4	30.2
22	25.1	24.9	24.9	24.8	24.4	**24.2**	25.3	26.5	27.3	**29.1**	29	28.2
23	24.9	25	24.8	24.8	24.6	24.5	24.9	26.2	27.9	28.7	**28.8**	28.7
24	24.5	**24.3**	24.4	24.5	24.4	**24.3**	24.9	27.1	28.2	**29.9**	29.8	28.1
25	25.2	25	24.9	24.6	**24.4**	24.5	25.5	27.1	28.1	29.5	30	**30.4**
26	25.5	25.4	25.3	25.2	25.1	**25**	25.3	25.9	27.6	29	29.7	29.8
27	25.1	24.9	25.4	25.5	25.4	24.9	25.6	26.9	26.3	25.7	**27.7**	25.7
28	24.2	24.4	24.6	24.8	24.9	25	24.7	25	24.4	24.5	24.2	24.2
29	**25.1**	24.3	24.6	24	23.8	24.3	25	**23.6**	24	24	24	24
30	**24.2**	24.5	24.4	24.3	24.9	25.6	26.7	28.1	**29**	28.2	26.1	26.7
31	**25**	25.1	25.4	25.4	25.7	**25**	25.7	27.6	29.1	26.6	29.7	28
Mean	24.5	24.3	24.3	24.2	**24.1**	**24.1**	25.4	27.1	28.2	28.8	29.1	**29.3**

ATMOSPHERIC PRESSURE, 700mm+

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
54.20	53.52	52.71	**52.18**	52.66	53.03	53.33	53.40	54.15	54.20	54.70	54.75	54.23
54.97	54.93	55.16	55.13	55.52	56.56	56.13	57.30	57.15	58.05	**58.15**	57.90	55.53
59.20	59.46	59.22	58.94	59.14	59.45	59.85	59.80	60.20	60.50	**60.80**	60.45	59.04
59.67	59.32	59.24	**59.22**	59.59	59.69	59.80	59.90	60.35	**60.55**	**60.55**	60.35	59.98
59.27	59.04	58.53	**58.11**	58.42	58.53	58.87	59.25	59.40	59.75	59.80	59.60	59.64
58.54	58.08	**58.06**	58.92	58.68	59.34	60.30	60.65	60.60	**60.90**	**60.90**	60.60	59.45
59.81	59.66	**59.20**	59.63	59.51	59.52	59.92	60.55	60.65	60.65	60.80	60.55	**60.19**
60.01	59.50	59.48	**58.98**	59.32	59.32	59.80	60.15	60.50	60.80	60.80	60.65	**60.19**
58.56	58.18	58.06	**57.53**	58.02	59.12	59.68	59.55	59.65	59.80	59.50	59.35	59.44
58.08	57.46	**56.90**	56.94	56.98	57.41	57.80	58.05	58.60	59.05	59	58.85	58.38
58.35	57.81	**57.25**	57.46	57.64	57.95	58.64	59	59.25	59.80	**59.95**	59.75	58.66
59.22	58.46	58.17	**57.77**	57.79	58.55	58.71	59.35	59.60	59.75	60	59.80	59.30
58.82	58.06	57.51	57.47	**57.46**	57.80	58.50	58.95	59.30	59.50	59.45	59.15	59.04
58.21	57.35	57.10	**56.89**	57.16	57.21	58.26	59.10	58.75	58.90	59.10	58.85	58.62
57.50	56.82	56.71	**56.13**	56.18	56.56	56.75	57.45	58.30	58.05	58.35	58.50	57.72
56.81	56.27	**56.01**	56.37	56.22	56.57	57.37	57.80	**58.85**	58.55	58.75	58.55	57.58
57.72	57.55	57.26	**57.25**	57.26	57.77	58.31	**59.35**	59	59	58.90	58.90	58.32
57.42	57.11	56.69	**56.29**	56.55	56.92	57.42	58.05	58.15	58.40	58.40	58.25	57.87
56.96	56.24	56.04	55.79	**55.55**	55.93	56.09	56.70	57.10	57.20	57.30	57.20	57.13
57.09	56.59	56.20	**56.07**	56.40	56.65	57.05	56.90	56.80	56.80	56.75	56.55	56.88
55.87	54.98	54.86	**54.73**	55.07	55.58	55.78	56.30	56.65	56.80	56.90	56.75	56.20
56	55.62	55.67	**55.05**	55.50	55.80	56.33	56.30	56.80	**57.40**	57.15	57.05	56.24
55.81	55.55	55.21	**54.95**	55.04	55.71	56	56.70	56.75	**57**	56.75	56.50	56.14
55.26	54.67	**54.21**	54.29	54.61	55.02	55.40	55.85	56.15	56.35	**56.65**	56.40	55.49
56.18	55.88	55.44	55.22	**55.18**	55.63	55.77	56.10	56.50	**57.10**	**57.10**	56.75	56.11
54.95	54.43	54.14	53.85	**53.78**	54.13	54.70	55.20	55.25	55.80	55.50	55.20	55.51
53.70	**53.15**	53.44	53.49	54.05	53.82	53.60	53.70	53.65	**54.90**	54.70	54.50	54.02
54.59	54.06	53.62	53.28	**53.23**	53.47	53.56	53.75	54.10	55	54.80	54.30	54.10
54.22	53.79	53.49	53.44	**53.31**	53.51	53.79	54.35	54.30	54.70	54.50	53.95	54.04
53.37	52.75	52.29	**51.92**	52.20	52.42	53.05	53.15	53.55	**54.30**	53.80	53.50	**53.14**
53.04	52.58	52.40	**52.17**	52.54	52.63	53.20	53.70	54.05	54.45	54.30	**54.85**	53.36
56.88	56.42	56.14	**55.98**	56.15	56.50	56.90	57.27	57.55	**57.87**	**57.87**	57.69	57.15

TEMPERATURE (°C.)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
29.6	**30**	29.9	29.8	29.4	29	28.9	28.7	24.6	23.9	23.5	**23.4**	26.9
25	24.4	23	22.7	23	22.2	22.4	22.1	**21.3**	22.7	22.1	22.6	**23.5**
26.6	25.5	24.8	24.8	24.8	24.5	24.4	23.8	23.6	23.3	23.2	23	24
31.2	31.1	30.9	31.1	29.6	29.2	27.5	26.6	26.7	26.6	26	25.4	26.9
31.1	29.5	29.9	**31.6**	31	28.7	27.4	26.9	26.2	25.9	25.8	25.4	27.3
31	29.9	27.5	24.7	25.1	25	24.9	24.9	24.3	24.3	24.2	23.9	26.1
30.7	**31.1**	30.8	29.2	28.1	27.2	26.2	25.9	25.5	25	24.8	24.5	26.6
30.9	**31.7**	29.5	26.8	26.1	25.9	25.6	25.5	25.7	25.3	25.2	25.6	26.6
31.5	30.2	28.4	26.3	26.3	26.2	26	25.5	25.2	24.4	24.2	24.1	26.7
31.7	**32.5**	32.3	31.1	30.1	29.6	29.1	28.7	28.5	27.7	27.3	26	27.6
32.2	**32.2**	32	31.5	29.6	29.2	28.9	28.7	28.1	26.9	26.2	26	28.3
32	**32.3**	31.7	29.8	30.7	28.5	27.2	26.6	26.3	25.8	25.6	24.9	28
32.1	32.7	**32.8**	29	32.2	30.5	29.6	29.3	28.3	27	26.4	26	**28.6**
32.2	**32.9**	31.1	30.9	31.6	29.9	29.6	24.7	24.2	24	24.1	**23.8**	28.2
31.9	**32.1**	31.7	31.6	30.7	29.3	29.1	28.9	24	24.6	24.8	24.6	27.6
32.2	32.2	**32.4**	31.1	30	29.2	28.9	28.2	25.9	24.8	24.8	24.7	27.8
30.8	31.5	**32.1**	31.8	31	29.8	29.1	**23.1**	23.5	23.6	23.7	23.4	27.3
31.3	29.3	29.1	30.2	29.2	28.5	27.4	26.3	25.6	25.2	25	24.8	26.7
31.4	29.7	30.1	30.6	29.4	28	26.9	26.4	25.8	25.3	25.1	24.6	27.1
25.4	26	27.3	**28.3**	27.4	26.8	25.6	25.2	25	24.9	24.5	24.3	25.3
28	30.5	**31.5**	30.1	29.2	28.6	27.3	26.9	26.6	26.6	26	25.3	27.3
26.9	27.5	27.7	27.6	26.7	26.1	25.7	25.4	25.3	25.1	25	24.8	26.1
25.9	25.5	25.9	26.5	26.7	26.4	25.8	**24.3**	24.6	24.7	24.5	24.5	25.8
25.8	25.6	27	27.6	26.2	26	25.6	25.6	25.5	25.5	25.4	25.3	26.1
28.6	27	27.2	28.1	28	27.6	27.3	27.1	26.9	25.9	25.9	25.6	26.8
29.6	**30.4**	29.5	28.8	25.6	26.2	25.9	25.7	25.4	25.6	26.2	25.9	26.8
26.4	27.3	24.7	25.4	24.6	24	**23.8**	**23.8**	23.9	24.1	24.5	24.4	25.2
24	24	**23.8**	24	24.3	24.4	24.5	25.3	25.4	24.9	25.9	**26.2**	24.6
24.2	23.9	24	23.8	23.7	23.7	24.2	23.9	23.9	23.9	24	24	24.1
26.7	27.6	27	28	28	27.5	27.4	26.8	25.6	24.8	25.7	25.8	26.4
29.7	29.4	29	**29.8**	29	28.6	28.2	27.9	27.3	27.5	27.5	26.4	27.4
29.2	29.2	28.9	28.5	28	27.3	26.8	26.1	25.4	25.2	25.1	24.8	26.6

RELATIVE HUMIDITY (%)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	92	91	90	93	91	89	87	84	77	78	75	74
2	97	97	96	94	97	97	97	96	94	95	92	91
3	96	97	94	94	92	96	96	91	92	84	78	80
4	97	97	97	92	93	95	94	80	75	70	69	66
5	91	92	92	93	93	94	86	80	74	71	69	68
6	92	93	91	90	91	92	84	80	69	70	69	68
7	93	92	96	96	96	96	90	82	77	75	76	69
8	93	94	94	97	95	94	85	77	73	70	72	69
9	89	91	92	91.5	94	95	84	77	74	73	73	71
10	93	97	96	96	96	96	85	76	74	68	68	64
11	93	93	94	94	95	95	86	79	79	76	73	67
12	94	94	95	94	94	95	86	81	72	73	71.5	69
13	93	93	93	95	92	92	85	74	73	74	71	70
14	90	91	90	91	93	93	89	81	74	72	63	60
15	94	96	95	95	94	94	88	78	71	70	67	65
16	96	97	96	96	96	96	89	81	73	73.5	72	68
17	90	90	91	90	89	91	88	78	76	70	73	70
18	97	97	97	97	97	96	93	87	77	70	70	65
19	94	92	94	95	96	96	87	82	75	71	66	67.5
20	94	95	95	96	95	96	95	90	85	89	94	93
21	95	95	94	95	95	94	82.5	76	76	67	72	75
22	92	93	92	92	93	94	92	86	84	75	77	82
23	94	94	95	95	95	96	95	91	82	80	78	78
24	96	97	97	96	96	97	97	86	82	73	73	84
25	92	94	94	96	97	96	94	88	84	76	73	70
26	93	93	93	92	92	94	90	85	79	73	75	73
27	94	95	89	88	88	92	92	88	87	90	82	88
28	97	96	93	93	92	95	94	97	97	97	97	97
29	92	96	94	97	97	96	92	97	95	97	97	97
30	99	97	98	99	98	96	91	85	78	83	94	87
31	93	93	92	91	88	92	92	84	78	86	78	84
Mean	93.7	94.3	93.8	94	93.9	94.5	89.9	83.8	79.2	77.1	76	75.1

VAPOR PRESSURE (mm)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	20.9	20.4	20.4	20.7	20.2	20.4	20.8	21.9	22.5	22.7	23.5	22.5
2	20.4	20.6	20.7	20.6	21.4	21.4	21.7	22.2	22	22.6	22.4	21.6
3	18.7	18.8	19.7	19	18.7	19	20.1	20.5	21.8	21.3	19.8	20.1
4	20	19.7	19.9	19.6	19.7	19.8	20.2	20.6	20.5	20.2	21.2	21.1
5	21	21	21	20.8	20	20.1	20.6	21.1	21.2	21.5	21.8	21.8
6	21.2	20.9	20.1	19.8	19.5	19.7	20.7	21	20.9	22.1	22.3	22.5
7	20.5	20.3	20.3	20.2	20.1	20.1	20.8	21.7	22.3	21.5	22.5	22.3
8	20.8	20.6	20.5	20.5	20	19.8	21	21.6	21.6	21.5	22	22.1
9	21.7	21.5	21.1	20.9	20.7	20.6	21.2	22.6	22.8	23	23.3	23.6
10	20	19.7	19	18.9	18.9	18.8	19.5	20.8	22	21.9	21.9	22.3
11	22.2	21.8	21.8	22.1	22.1	21.8	21.9	23.3	23.9	24.5	24.8	23.6
12	22.8	22.4	22.4	22.1	21.9	21.9	22.3	24	23.9	24.4	24.4	24
13	22.1	22	22.1	22.2	21.9	21.9	22.2	22	23	24.6	23.8	23 8
14	23.2	23.2	22.9	22.9	22.8	23	23.6	24.1	23.1	23.2	21.7	21.9
15	20.5	20.4	20.3	20.3	20.3	20.5	21.9	22.6	22.5	22.6	22.3	22.7
16	21.6	21.7	21.4	21.4	21.4	21.4	22.5	23.2	23.3	23.4	24	23.6
17	21.3	21	21.1	20.7	20.4	20.8	21.5	22.3	22.4	22.7	22.4	22 9
18	20.5	20.4	20.5	20.5	20.4	20.3	21.2	22.6	22	21.9	21.3	21
19	21.8	21.2	21.2	21	20.7	20.6	21.2	22.7	22.8	22.7	20.9	21.4
20	21.3	21.3	21	20.9	20.8	20.8	21.4	22	22.1	22.1	22.8	22.3
21	21.4	21.1	21.1	20.9	20.9	20.8	21.2	21.6	22.8	22.2	23.3	23.8
22	21.9	21.8	21.6	21.5	21.2	21.1	21.9	22.2	22.5	22.4	22.9	23.2
23	22	22.1	22.1	22.1	21.8	21.9	22.2	23	23	23.5	23	22.9
24	21.9	21.8	21.9	21.9	21.7	21.8	22.6	22.8	23.2	23	22.8	23.7
25	21.8	22.1	22	22	21.9	21.9	22.8	23.5	23.7	23.2	22.9	22.7
26	22.6	22.5	22.3	21.8	21.9	22.1	21.5	21	21.7	21.6	23.1	22.6
27	22.3	22.2	21.5	21.3	21.3	21.6	22.4	23.2	22.1	22.1	22.7	21.7
28	21.7	21.7	21.4	21.7	21.6	22.4	21.8	22.8	22.1	22	21.7	21.7
29	21.9	21.6	21.6	21.4	21.2	21.6	21.7	20.9	21	21.4	21.4	21.4
30	22.2	22.3	22.3	22.4	22.8	23.3	23.7	24.1	23.3	23.6	23.7	22.7
31	22	22.1	22.1	21.9	21.7	21.7	22.5	22.9	23.2	22.3	24.1	23.5
Mean	21.4	21.3	21.2	21.1	21	21.1	21.6	22.3	22.4	22.5	22.6	22.5

RELATIVE HUMIDITY (%)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
75	76	74	**71**	73	74	73	74	93	**97**	95	96	83
90	91	90	**89**	90	94	94	96	**97**	90	93	92	93.7
83	88	87	**91**	92	88	89	95	95	96	96	**97**	91.1
65	64	64	**62**	67	71	80	86	83	81	86	86	80
64	75	69	**62**	69	81	86	87	90	91	89	88	81.4
66	69	83	92	93	94	**95**	92	93	92	91	93	85.1
69	**65.5**	67	71.5	77	81	85	86	89	91	91	91.5	83.4
67	**66**	75	77	83	87	89	89	89	92	92	88	83.6
70	73	82.5	85	83	85	85	86	88	91	91	91	84
61	55	**52**	61	65	70	70	72	76	81	84	89	**76.9**
63	66	67	68	76	76	77	78	82	89	92	91	81.2
65	**64**	65	74	72	78	86	89	92	93	91	94	82.6
66	65	**64**	83	68	74	78	78	82	84	88	91	80.2
64	64	72	72	68	71	74	89	90	91	91	**93**	80.2
64	**63**	68	70	74	78	74	76	95	**97**	96	**97**	81.6
66	66	**62**	65	73	74	77	82	78	83	87	90	80.7
68	**61**	64	69	71	75	74	96	**97**	**97**	93	**97**	81.6
65	70	76	73.5	77	83	83	85	89	92.5	94	94	84.4
64	75	71	68	76	81	87	90	92	93	92	94	83.3
91	88	81	**78**	83	86	92	93	92	93	94	95	91
82	73	**68**	74	75	80	87	89	90	89	89	92	83.5
91	87	89	89	88	93	93	94	94	95	**96**	95	89.8
90	92	92	88	88	90	92	**97**	96	95	96	96	91
93	93	86.5	85	88	90	91	92	93	93	94	94	90.3
82	86	83.5	80	79	79	79	80	80	91	92	93	85.8
71	**70**	72	74	89	85	87	88	**94**	93	87	88.5	84.6
87	**84**	93	94	90	94	95	**96**	**96**	95	94	94	91
97	97	**98**	97	96	97	96	93	93	93	91	**88**	95
96	97	97	97	98	98	97	98	98	**99**	**99**	**99**	**96.7**
88	87	90	85	82	86	86	87	93	94	93	90	90.2
81	78	78	**76**	78	78	79.5	79	84	84	83	89	84.1
75.6	75.8	76.8	78.1	80	82.9	84.9	87.5	90.1	91.5	91.6	92.5	85.5

VAPOR PRESSURE (mm)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
22.9	**23.9**	23.2	22.2	22.2	22	21.5	21.7	21.4	21.3	20.4	20.4	21.7
21.2	20.6	18.7	**18.3**	18.7	18.6	18.9	18.9	**18.3**	18.5	**18.3**	18.7	**20.2**
21.5	21.4	20.3	21.1	21.5	20.1	20.2	20.8	20.5	20.3	20.2	20.3	**20.2**
21.9	21.6	21.1	21	20.7	21.4	21.8	**22.2**	21.5	21	21.5	20.7	20.8
21.6	23	21.7	21.5	23.2	**23.7**	23.3	22.9	22.8	22.6	22	21.1	21.7
22.1	21.5	**22.6**	21.4	22.1	22.1	22.2	21.4	21	20.9	20.3	20.5	21.2
22.5	22	22	21.5	21.6	21.8	21.6	21.4	21.7	21.3	21.1	20.9	21.3
22.1	**23.2**	22.8	20.1	20.9	21.6	21.8	21.7	21.9	21.9	21.8	21.6	21.4
23.9	23.2	23.7	21.6	21.2	21.4	21.1	20.9	20.8	20.8	20.5	**20.4**	21.8
21.2	20.1	**18.8**	20.3	20.8	21.5	21	21	22	22.3	**22.5**	22.3	20.7
22.6	23.7	23.8	23.3	23.3	23	22.8	22.9	23.3	23.4	23.2	22.7	23
23	23.2	22.5	23.1	23.5	22.6	23	23	23.3	22.8	22.1	22	22.9
23.5	23.8	23.8	**24.8**	24.2	23.9	24	23.5	23.6	22.3	22.4	22.7	**23.1**
23	23.9	**24.1**	23.8	23.6	22.3	22.8	20.6	**20.2**	20.3	**20.2**	20.4	22.5
22.3	22.2	23.6	**24.3**	24.2	23.5	22.2	22.4	21	22.2	22.3	22.2	22.1
23.7	23.7	22.5	21.8	23.1	22.2	22.8	23.2	19.3	**19.2**	20.2	20.8	22.1
22.4	20.9	22.6	**24**	23.6	23.2	22	**20.1**	20.7	20.9	20.2	20.8	21.7
22.1	21.3	22.8	23.4	23.2	**24**	22.5	21.6	21.8	22	22.1	21.9	21.7
21.8	**23.3**	22.4	22.1	**23.3**	22.7	22.9	22.9	22.7	22.2	21.9	21.6	22
21.9	21.9	21.7	22.3	22.5	22.6	22.4	22.2	21.7	21.8	21.5	21.4	21.8
22.9	23.6	23.3	23.5	22.6	23.4	23.4	23.4	23.4	23	22.1	21.9	22.4
24	23.8	**24.5**	24.4	22.9	23.3	22.7	22.7	22.6	22.5	22.5	22.1	22.6
22.4	22.2	22.8	22.6	22.9	23.1	22.7	**21.8**	22	21.9	21.9	21.9	22.4
22.8	22.8	22.9	23.3	22.2	22.5	22.1	22.4	22.4	22.6	22.7	22.6	22.5
23.8	22.7	22.4	22.6	22.3	21.5	21.3	**21.2**	**21.2**	22.6	22.8	22.5	22.4
21.9	22.4	22	21.8	21.8	21.4	21.6	21.7	22.7	22.5	22	22	22
22.3	22.5	21.5	22.7	**20.7**	20.8	20.8	20.9	21.1	21.1	21.5	21.3	21.7
21.6	21.6	21.5	**21.4**	21.6	21.9	21.9	22.2	22.5	21.8	22.6	22.2	21.9
21.5	21.3	21.4	21.3	21.4	21.4	21.8	21.6	21.6	21.9	**22**	**22**	21.5
22.9	24	24	23.8	22.9	23.4	23.3	22.8	22.5	**21.9**	22.7	22.3	23
25	23.7	23.1	23.6	23.1	22.7	22.5	22.2	22.7	22.8	22.6	22.7	22.8
22.5	22.5	22.4	22.4	22.3	22.2	22.1	21.9	21.7	21.7	21.6	21.5	21.9

CLOUDS—FORM AND DIRECTION

Day.	8 a.		9 a.		10 a.		11 a.		Noon.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	Ci.-S.	N.	Ci.-S.	Cu.	....	Cu. N	Ci.-S.	Cu. N	Ci.-S.	Cu.
2	....	N.	....	N.	....	Fr.-N. WSW	....	Fr.-N. WSW	....	N.
3	....	N. SW	....	S.-Cu. WSW	....	S.-Cu. WSW	....	S.-Cu. WSW	....	S.-Cu.
4	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	A.-Cu. E	Cu.	A.-Cu. E	Cu.
5	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	A.-Cu.	Cu.	A.-Cu.	Cu.
6	A.-Cu.	Cu.	Ci.-Cu.	Cu.	Ci.-S.	Cu.	Ci.-Cu. EbyN	Cu.	A.-Cu.	Cu.
7	A.-Cu.	Cu.	A.-Cu.	Cu.	A.-Cu.	Cu. NbyE	A.-Cu.	Cu. NbyE	A.-Cu.	Cu. NbyE
8	Ci. E	Cu.	Ci. E	Cu.	Ci.	Cu.	....	Cu. E	....	Cu.
9	....	Cu.	....	Cu.	....	Cu. ESE	....	Cu.	....	Cu.
10	Ci.	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
11	....	Cu. E	....	Cu. NW	....	Cu. NW	....	Cu. NW	....	Cu.
12	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu.	....	Cu.
13	....	Cu.	....	Cu.	....	Cu.	....	Cu. E	....	Cu. E
14	....	Cu. ENE	....	Cu. NNE	....	Cu. NNE	....	Cu.	....	Cu.
15	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	....	Cu.	....	Cu.
16	Ci.	Cu.	....	Cu. NW	Ci.	Cu. NW	Ci.	Cu.	Ci.	Cu.
17	Ci.-S.	Cu.	Ci.	Cu. NE	Ci.	Cu. NE	Ci.-S.	Cu.	Ci.	Cu.
18	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci. E	Cu.	Ci.	Cu.	Ci.	Cu.
19	Ci.	Cu.	Ci.	Cu.	....	Cu. E	Ci.	Cu.	....	Cu. E
20	Ci.-S.	Cu. NE	Ci.-S.	Cu. NE	Ci.-S.	Fr.-N. ENE	....	N.	....	N.
21	Ci.	Cu. ENE	Ci.	Cu. ENE	Ci.	Cu. ENE	Ci.	Cu. E	Ci.	Cu.-N. E
22	Ci.-S.	Cu. E	....	S.-Cu. E	Ci.-S.	Cu.	Ci.-S.	Cu. E	....	S.-Cu. E
23	Ci.-S.	Cu. ENE	Ci.	Cu. ENE	Ci.	Cu.-N. E	....	Cu.-N. E	....	Fr.-N. E
24	A.-Cu. S	Cu.	A.-Cu.	Cu. ESE	Ci.-S.	Cu. S	Ci.-S.	Cu. S	....	N.
25	Ci.	Cu. ESE	Ci.-S.	Fr.-N. SSE	Ci.	Cu. SSE	Ci.-S.	Cu.-N. SSE	....	Fr.-N. S
26	....	S.-Cu. SW	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.
27	Ci.-S.	Cu.-N. SW	....	N. SW	....	N. SW	....	N. SW	....	N. SW
28	....	N. SW	....	N. SW	....	N.	....	N.	....	N. WSW
29	....	N.	....	N. SW	....	N. WSW	....	N.	....	N.
30	....	Cu. WbyS	....	N.-cf. W	....	N.-cf. W	....	Fr.-N.	....	N.-cf. W
31	Ci.	Cu. WSW	....	Cu. WSW	....	N. WSW	....	Cu.-N.	....	Cu.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	Ci.-S.	Cu.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.
2	....	N.	....	N. WSW	....	N. WSW	....	N. WSW	....	N.
3	....	S.-Cu. WSW	....	N. SW	....	N.	....	S.-Cu. SW	....	S.-Cu.
4	A.-Cu.	Cu.	A.-Cu. E	Cu.	A.-Cu.	Cu.	A.-Cu.	Cu.	A.-Cu. E	Cu.
5	Ci.-S.	Cu.	....	Cu.	....	Cu.	Ci.	Cu. E	Ci.-S.	Cu.
6	Ci.	Cu.-N.	Ci.	Cu.-N.	....	Cu.	....	Cu.-N.	....	Cu.-N.
7	Ci.	Cu.	Ci.	Cu.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	N.
8	....	Cu.	....	Cu.-N.	....	Cu.-N. ENE	....	Cu.-N. E	A.-Cu. NE	Cu.-N.
9	....	Cu.	....	Cu.-N.	....	Cu.-N.	....	Cu.-N.	....	Cu.-N. E
10	....	Cu.	....	Cu.-N.	Ci.	Cu.-N.	....	Cu.-N.	....	Cu.-N.
11	....	Cu.	....	Cu.-N.	....	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.
12	Ci.	Cu.	....	Cu.-N.	....	Cu.-N.	....	Cu.-N.	Ci.-S.	Cu.
13	....	Cu. E	....	Cu.-N. E	....	Cu.-N. E	....	Cu.-N. E	....	Cu.-N. E
14	....	Cu.	....	Cu.-N. E	....	Cu.-N. E	A.-Cu.	Cu.-N. E	A.-Cu.	Cu.-N.
15	....	Cu.	Ci.	Cu.	Ci.	Cu.-N.	Ci.	Cu.	Ci. NW	Cu.
16	....	Cu.	....	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.
17	Ci.-S.	Cu. NE	Ci.	Cu.	Ci.-S.	Cu. NE	Ci.-S.	Cu.	....	Cu.-N.
18	Ci.	Cu.	Ci.-S.	Cu. ESE	Ci.	Cu.-N. ESE	....	Cu.	....	Cu. ENE
19	Ci.-S.	Cu. E	Ci.-S.	Fr.-N. ENE	Ci.-S.	Cu.-N. ENE	Ci.-S.	Cu.-N. ENE	Ci.-S.	Cu.-N.
20	....	N. NNE	Ci.-S.	Fr.-N. NNE	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N. NNE	Ci.-S.	S.-Cu.
21	....	N. E	Ci.	Cu.	....	Cu. E	Ci.-S.	Cu.-N. E	Ci.-S.	Cu.
22	....	Fr.-N. E	Ci.-S.	Fr.-N. E	Ci.-S.	N.-cf. E	Ci.-S.	Fr.-N. E	Ci.-S.	Fr.-N.
23	....	Fr.-N. E	....	N. E	....	N.	....	N.	....	Cu.-N.
24	....	N.	....	Fr.-N. SSW	Ci.-S.	N.-cf. SSW	....	N.-cf. SSW	....	N.-cf. SSW
25	....	Fr.-N. SSW	....	N. SW	....	N. SW	Ci.-S.	Cu.	Ci.-S.	Cu.
26	Ci.-S.	Cu. SW	Ci.-S.	Cu. SW	Ci.-S.	Cu. SW	Ci.-S.	Fr.-N. SSW	....	N. SW
27	Ci.-S.	N.-cf. SW	Ci.-S.	N.-cf. SW	....	N.	....	N.	....	N.
28	....	N. WSW	....	N.	....	Fr.-N. WSW	....	N. WSW	....	N. WSW
29	....	N. WSW	....	Fr.-N. WSW	....	N.	....	N.	....	N. N
30	....	Cu.-N.	Ci.-S.	N.-cf. W	Ci.-S	Cu.-N. W	Ci.-S.	S.-Cu. W	Ci.-S.	Cu.-N. WSW
31	Ci.-S.	Cu.	A.-Cu.	N.-cf. WSW	Ci.-S.	Cu. WSW	A.-Cu.	Cu. WSW	Ci.-S.	Cu.

WIND—DIRECTION AND FORCE IN M. P. S.

Day	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.		7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
1	NNE	1.5	NNE	1.5	N	1.5	NNE	1.5	NNW	1.5	NbyE	0.5	NNW	1.5	NNW	1.5	NW	5	NW	1.5	NW	2	W	2.5
2	E	1	ENE	2	ESE	1.5	E	1	NE	3	ENE	.5	SE	.5	SE	.5	SE	.5	SSE	.5	SW	1.5	N	.5
3	SE	3.5	ENE	2	SSW	4.5	SSW	2	SSW	2.5	SE	2	SE	1.5	SE	2	SE	.5	SE	1	SSW	3.5	WSW	2.5
4	E	.5	Calm		NNW	1	NW	2	N	1.5	ENE	2.5	Calm		E	2	ESE	1.5	SE	3.5	ESE	1.5	ESE	1
5	N	1	N	1	N	1	NNE	1	Calm		NNE	.5	NNE	.5	Calm		WNW	1.5	WNW	3.5	WNW	2.5	W	3.5
6	Calm		NE	1	NE	1.5	N	1.5	N	1	Calm		Calm		NE	.5	NW	1	WNW	2	WNW	2.5	WNW	4
7	N	1.5	NNE	1.5	Calm		N	.5	Calm		NE	.5	NE	.5	ESE	.5	Calm		W	1	W	2	WNW	2.5
8	NE	1	NE	1	Calm		Calm		NE	1	NE	.5	NE	.5	NE	1	NNE	.5	Calm		W	3	WSW	1
9	NE	.5	Calm		Calm		Calm		NE	1	Calm		ENE	1	E	.5	SW	1	WSW	2	W	3	WSW	2
10	NNE	2	NE	1	Calm		NNE	.5	Calm		NE	.5	Calm		Calm		E	1	Calm		WSW	1.5	SW	1
11	SE	1.5	SE	1	SE	.5	SE	1	E	1	E	.5	NE	.5	Calm		SSW	1	SW	1.5	W	1	WSW	2
12	E	1	E	1	E	1	E	1	E	1.5	NE	.5	E	.5	ESE	1	SW	.5	S	2	W	2.5	W	3
13	NE	1	NE	.5	Calm		NE	1	NE	.5	N	.5	N	1	NNE	1	WNW	1.5	NW	2	WSW	3	WSW	2
14	SE	.5	E	1	Calm		Calm		Calm		NE	.5	NE	.5	ESE	2.5	NE	2	NW	2	WNW	3	WSW	3
15	ENE	1	ENE	1	Calm		N	1	N	.5	Calm		Calm		E	.5	NNE	.5	WbyS	2	W	4	W	2.5
16	Calm		NE	1	NE	1	NE	1.5	NE	1.5	Calm		Calm		NE	.5	NNE	1	WNW	2	WNW	1.5	WNW	2.5
17	E	1	NE	1	Calm		N	1.5	N	1.5	NE	.5	Calm		Calm		WNW	2.5	W	2	W	1	W	.5
18	Calm		E	.5	E	1	Calm		NE	1.5	Calm		Calm		NE	1	NE	.5	Calm		W	1	W	2
19	NE	1	NNE	1	NNE	1	NE	1	NE	.5	NE	1	NE	1	NE	.5	Calm		W	2	W	2.5	W	2
20	Calm		ENE	1	ENE	2.5	NE	1.5	NE	1.5	NNE	1	E	.5	ENE	1	E	1	Calm		Calm		Calm	
21	Calm		NE	1	NE	1.5	NE	1	NNE	1.5	NE	1	NE	1	NNW	.5	N	1	NE	.5	SSW	.5	NNW	3.5
22	Calm		Calm		E	1	NE	2	NE	1	NE	.5	NE	.5	Calm		N	1	N	1	NW	2	NE	.5
23	NNW	1	NNW	2	N	1	NE	.5	Calm		NNE	1	NE	.5	Calm		W	.5	NW	1	W	2.5	NW	1.5
24	Calm		E	1	E	1	Calm		NE	1	NNE	.5	NNE	.5	Calm		Calm		SSW	1	SSE	.5	WSW	1.5
25	SSE	1.5	SE	1	S	1.5	SE	1	SE	1	SE	1	ESE	.5	SE	.5	SE	2.5	ESE	3.5	SE	4	SE	1
26	Calm		Calm		Calm		S	.5	Calm		ESE	.5	SSW	2.5	SW	3.5	SSW	3	S	1	ESE	2	Calm	
27	Calm		SE	1	SSW	3	SSW	5.5	SSW	2	ESE	.5	SSW	.5	E	1	SSW	5	SW	3.5	SSW	2	SW	5
28	S	3	SSW	2	SW	3.5	WSW	3.5	WSW	3.5	SSW	2	SSW	.5	Calm		Calm		Calm		WNW	1	Calm	
29	SW	5.5	NW	3.5	NNW	3	E	2	NW	1.5	W	1.5	WSW	5	WNW	3.5	W	1.5	NW	1	Calm		Calm	
30	NE	1	SE	1.5	ENE	1.5	ENE	1.5	WNW	2	WSW	9.5	SW	4	SW	5	SW	5	SSW	6	WSW	5.5	WSW	11
31	SW	9.5	WSW	3.5	WSW	1.5	WSW	9	SSW	6.5	SbyW	1	SSW	3	SW	5.5	SW	1	SW	10	SW	6.5	SW	7
Mean		1.3		1.2		1.2		1.5		1.3		1		0.9		1.2		1.4		1.9		2.2		2.3

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.		7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
1	WSW	2.5	WSW	1	SW	2.5	WSW	2.5	WSW	2	W	5	WNW	3.5	WNW	4.5	E	4	SW	2	ENE	1.5	E	1.5	2.3
2	ENE	2	SE	5.5	WSW	6.5	WSW	5.5	SW	7	SW	3	Calm		WNW	5.5	Calm		WSW	6.5	SW	2	WSW	3.5	2.5
3	WNW	2	SSW	4	SSW	3.5	SE	1.5	SSE	.5	S	2	SSE	1.5	SE	1	E	1	E	1.5	ESE	1.5	E	.5	2
4	Calm		WNW	2.5	WNW	3.5	WSW	2	WSW	2.5	WSW	1	Calm		Calm		NW	2	NNW	1.5	N	2.5	NNE	1.5	1.5
5	WSW	2	SW	2	W	1	WSW	2	SW	.5	SSW	.5	NE	1	NE	1	E	1.5	E	1	SE	1.5	ESE	1	1.3
6	W	2.5	W	2	W	1	WNW	.5	Calm		SE	.5	NE	1.5	NNE	2.5	NNW	1.5	N	1	N	1.5	N	.5	1.2
7	WNW	3	W	1	WSW	1	SW	2	SW	1	SE	1	E	1	E	.5	E	.5	Calm		E	.5	NE	.5	.9
8	W	3	WNW	1	NNW	2.5	ENE	2	ENE	.5	ENE	1	NE	.5	NE	1.5	Calm		Calm		NNE	1.5	NE	1.5	1
9	W	2.5	W	2	NE	1.5	NE	1	ENE	1	NNE	2.5	N	3.5	NE	2.5	N	1.5	NW	.5	NW	1.5	N	3	1.4
10	WNW	2.5	W	1	WNW	4	W	1	W	1	SSW	1	SSW	2	SW	2.5	SW	3	SSW	2.5	SSW	1.5	Calm		1.2
11	WSW	2	SW	3	SW	2	SW	3	SSW	2.5	SSW	2	SSW	2.5	SSW	3.5	SSW	2	ENE	1.5	SE	1.5	SSE	.5	1.6
12	W	3	WNW	5	WNW	1	W	.5	WSW	2	Calm		Calm		NE	1	E	.5	NE	1.5	NE	1.5	NE	1.5	1.4
13	WSW	2.5	W	2	W	.5	Calm		Calm		SW	.5	SW	3.5	SW	3.5	SSE	2.5	SSE	1.5	S	1	S	1.5	1.4
14	W	3.5	W	3	E	.5	SW	.5	SW	1	WbyS	1.5	WSW	3.5	NE	4	NE	2.5	NE	.5	SE	.5	Calm		1.5
15	WNW	2	W	3.5	WSW	2.5	WSW	4.5	SW	.5	SW	2.5	SW	5.5	SW	3.5	ENE	3.5	NE	1.5	E	1	E	.5	1.8
16	WNW	2.5	W	1.5	SW	3	SW	3	WSW	3	SW	3.5	SW	3.5	SSW	3.5	N	4.5	NNE	3.5	ENE	1.5	E	1.5	2
17	WSW	1.5	WSW	3	WSW	1.5	SW	2	SW	4.5	SW	3	SW	1	NNE	3.5	N	1	Calm		NE	1	Calm		1.4
18	WNW	2	WNW	1	NE	2.5	NE	.5	NE	.5	Calm		SSW	1.5	SE	1	Calm		NE	.5	E	.5	NE	1	.8
19	WSW	3	WNW	2	NW	4	NNW	1	Calm		NE	1	E	.5	E	.5	E	1	E	1	Calm		NE	.5	1.2
20	NE	1	NNE	.5	NNE	1	Calm		Calm		Calm		Calm		Calm		Calm		Calm		Calm		Calm		.5
21	E	1.5	SW	1.5	SW	1	SE	1	NW	1	NW	1	N	.5	NE	1	ENE	1.5	SE	1.5	ESE	1.5	E	1.5	1.1
22	NE	1	NE	.5	Calm		Calm		S	.5	Calm		SE	.5	NE	1.5	Calm		Calm		N	1	Calm		.6
23	NE	4	W	1	W	1	NW	1	W	1	N	1	NNE	1	Calm		SW	1	Calm		Calm		Calm		.9
24	SSW	2	SSE	1	Calm		Calm		ESE	.5	SE	.5	SE	1	SE	1	Calm		SE	1	E	1	SSE	1	.7
25	W	1	SW	1	SW	2	SSW	1	SSW	1	SSW	2	SSW	2	SW	3.5	SW	2	SE	.5	E	1	Calm		1.5
26	W	.5	W	1	NW	.5	W	2	SW	5.5	SSW	2.5	Calm		Calm		S	.5	SE	.5	SW	1.5	SW	2.5	1.2
27	SSW	1	S	.5	wsw	14	SW	10	SW	3	S	.5	E	1	Calm		E	.5	WNW	3.5	WSW	2.5	SSW	2.5	2.8
28	NE	1	WNW	1	NE	.5	NE	.5	NE	.5	Calm		SSE	2	SSE	3.5	SW	1.5	SW	9.5	SW	4.5	SW	2.5	1.9
29	WSW	.5	NNW	2	Calm		Calm		Calm		NNW	2.5	WSW	1	Calm		NE	2.5	NNW	2	NE	2.5	NE	1.5	1.8
30	W	2	WSW	2	SW	6.5	SW	3	SW	7.5	SW	4	SW	5	WSW	6.5	WSW	3.5	WSW	6.5	WSW	2.5	SW	2	4.4
31	WSW	5	SW	8	SW	8.5	SW	5	SW	7	SW	5	SW	4.5	SW	4.5	SSW	2.5	SSW	3.5	SSW	3.5	SW	6.5	5.3
Mean		2.1		2.1		2.6		1.9		1.9		1.6		1.8		2.2		1.5		1.8		1.5		1.3	1.6

WIND—VELOCITY IN KILOMETERS PER HOUR

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	2	1.5	3	1	1.5	2.5	3	6	7.5	10	11	12
2	1.5	3	6	2	6	3	4	5.5	2.5	6	5	8.5
3	11.5	9.5	13	10	7.5	5.5	5.5	6	7	4.5	13.5	10
4	1.5	1.5	2	7	5	5	2	4	8	9	**13**	7.5
5	1.5	1	1	2	0	0	.5	1.5	5	7	**13**	11.5
6	2.5	3.5	5	3.5	2.5	2.5	2.5	3	3	8	13	**14**
7	2.5	4	1.5	.5	0	1	1	4	1	6	10	12
8	2	2.5	1	.5	2	2	.5	4	3.5	3	11	10
9	.5	0	0	0	0	0	0	0	0	5.5	11	11
10	6	4.5	.5	.5	1	1.5	.5	1	3	5.5	9.5	6.5
11	3	3.5	3	2	3	2.5	3.5	2.5	3	4.5	11.5	8.5
12	2.5	1	3	3	3	4.5	3	3.5	3.5	5.5	10	11
13	4.5	3	.5	1.5	2.5	2.5	2	5	6	7	10	12
14	4	2	2	2	1.5	1	1.5	0	4	5	15	13
15	1	1	0	1	1	.5	.5	1	3.5	5.5	14	10.5
16	1.5	2.5	3.5	2.5	3	2	1	3	4	7	17	**18**
17	2	1	2.5	3.5	3	3	0	2	7	6	6	7
18	0	0	1	1	2.5	2.5	1.5	2.5	1.5	.5	11	9
19	3	3	3.5	3.5	3	3.5	4.5	4	3	7	**13**	11
20	2	1.5	6.5	7	4	5.5	1.5	2.5	4.5	3	4	0
21	.5	2	3	2.5	4.5	4.5	3.5	3.5	4	2	7	7
22	2	2	2	5	4	2	2	3.5	3.5	1	7	7
23	2	5	4	.5	0	0	.5	2.5	.5	4	11	**13**
24	0	.5	2.5	1.5	2	2	1	1	2	4	8	8
25	10	3	4	3	3	2	2	4	3	12	**14**	9.5
26	3	2	2	5	1.5	2	5.5	11	14	12	9	2
27	3.5	4	7	12	9	4	4	3	7	23	19	25.5
28	6	8	9.5	14	16	13.5	6	1.5	1.5	0	5	1.5
29	18	**28**	17.5	7	7.5	8	18	19	11	5	5.5	0
30	7	9	8	6	7	14	20	19	29	16	**39**	28
31	23.5	18	8	39	24.5	11.5	10	16	17.	21	28	31
Mean	4.2	4.2	4.1	4.8	4.2	3.7	**3.6**	4.7	5.6	7	**12.1**	10.8

AMOUNT OF CLOUDS (0-10)

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.	
														h.	*m.*
1	10	10	10	9	9	9	9	10	10	9	10	10	9.6	2	05
2	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0**	**00**
3	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0**	**00**
4	9	5	4	4	7	7	6	8	7	7	8	9	6.8	7	00
5	6	3	3	2	3	5	4	8	8	8	9	9	5.7	6	40
6	7	7	6	7	6	6	5	6	10	10	10	10	7.5	4	20
7	3	7	5	8	8	6	7	7	9	10	10	10	7.5	7	10
8	2	6	5	5	4	4	3	4	8	8	8	4	5.1	6	30
9	2	2	5	4	4	4	4	8	8	8	7	9	5.4	6	35
10	2	2	1	1	3	4	4	2	4	5	8	5	**3.4**	8	40
11	3	4	4	4	3	4	4	5	6	8	9	9	5.2	8	05
12	4	4	5	5	4	4	3	4	6	7	9	10	5.4	7	55
13	2	0	1	3	4	4	4	4	5	6	4	4	**3.4**	9	15
14	6	6	5	6	5	4	3	4	5	5	5	3	4.8	7	40
15	1	2	1	3	3	4	3	4	4	5	7	7	3.7	**9**	**25**
16	4	4	3	4	3	4	4	4	6	9	10	9	5.3	7	20
17	6	7	9	9	9	8	7	6	7	8	8	10	7.8	5	50
18	6	8	8	7	6	8	8	8	9	7	6	7	7.3	4	35
19	2	2	4	4	7	6	8	9	9	9	10	10	6.7	6	15
20	8	10	10	10	10	10	10	10	10	10	10	10	9.8	0	05
21	6	5	7	7	9	9	10	6	8	10	9	9	7.9	7	05
22	7	9	9	8	10	10	10	10	10	10	10	9	9.3	**0**	**00**
23	9	8	7	9	8	10	10	10	10	10	9	10	9.2	1	40
24	8	9	9	9	9	10	10	10	10	10	10	10	9.5	2	25
25	8	7	10	8	10	10	10	10	10	10	9	10	9.3	0	10
26	10	10	10	9	9	10	10	10	10	10	10	10	9.8	0	25
27	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0**	**00**
28	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0**	**00**
29	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0**	**00**
30	10	7	10	10	10	10	10	10	10	10	10	10	9.8	1	05
31	10	8	7	9	9	9	10	9	6	5	5	6	7.8	4	25
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	132	40
Mean	**6.5**	**6.5**	6.7	6.9	7.2	7.4	7.3	7.6	8.2	8.5	**8.7**	8.7	7.5	4	17

WIND—VELOCITY IN KILOMETERS PER HOUR

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
8	7	10	12	11	12	**18**	**18**	14	8	7	2.5	7.9
2.5	8	**34**	25	24	24	13	7	5.5	14.5	14	16	10
8	**14**	10.5	6	5	8	9	3.5	3	3.5	4	2	7.5
3.5	7	8	12	12	8	2	1	3.5	5	5.5	4.5	5.7
11.5	7.5	6	8	2	.5	1.5	1.5	4	2	6	3.5	4.1
11	9	8	5	2.5	1.5	2	7.5	8.5	3.5	.5	2.5	5.2
13.5	13	10.5	10	6	5	3	1	1	0	0	2	4.5
10.5	**11.5**	10	8.5	10	3.5	3.5	1	.5	.5	.5	2	4.3
12	11.5	6.5	9.5	6.5	3	**13**	11.5	5	3.5	2	4	4.8
10	9	9	12	9	8	4	**15**	10	9	7	3.5	6.1
8.5	11	15.5	**16**	**16**	12	13	13	10	4	4	4.5	7.4
13	**13**	**13**	6	3	7	4	2	3	3.5	5	5	5.5
11.5	12.5	11	5	1	1	4	**13**	12.5	7	4.5	4	6
13	11.5	12.5	3	10	14	12	**26**	7	1	.5	.5	6.8
12.5	15	13	15	12.5	17	**19**	14.5	17	2	2.5	1.5	7.5
10	13	14	14	14	13	10	12	14	7	4	5	8.1
10	11	12	15	18	18	10	**21.5**	6	3.5	5.5	1.5	7.3
12	7	7	7	2.5	1.5	9	6	1.5	3.5	2	3	4
13	9	9	5	1	5	1	2	1	2	1	1	4.7
2	4.5	**7.5**	4.5	1.5	.5	.5	0	0	1	0	0	**2.7**
7.5	3.5	7	5.5	4.5	3	2	3	3	5	5.5	4.5	4.1
8	8	4	0	2.5	2.5	1	5	4	1.5	3	2.5	3.5
11.5	6	4.5	3	3.5	1.5	3.5	4.5	3.5	2.5	2	.5	3.7
13	8	3	3	6	6	8	5	1	2.5	2.5	4	3.9
7.5	9	13	13	9	9.5	11.5	11	12	2	3.5	1.5	7.2
4	6	8	6	**18**	16	7	1.5	1.5	3	3.5	7	6.3
7.5	3	**30**	29.5	22	5.5	3	2	3.5	19.5	10	10	11.1
6	6.5	6	7	5	3	5	15	5.5	18.5	**19**	14	8
.5	2	0	.5	1.5	3.5	5.5	3	4.5	6.5	8	10	7.9
20	14.5	25.5	18	30.5	26	22.5	20	18.5	25.5	14	17.5	18.9
18	27	**40**	26	27	30	21.5	20.5	11.5	10.5	13	26	**21.6**
9.7	9.6	11.9	10	9.6	8.7	7.8	8.6	6.3	5.8	5.1	5.4	7

FREQUENCY OF THE WIND

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW.	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	1	4	.....	1	2	.....	.....	.....	.....	.....	2	4	2	2	3	3	.....	188.5	2.6	70.4
2	1	.....	1	3	2	1	4	1	.....	.....	4	4	.....	1	.....	.....	2	240.5	**0**	48.5
3	.....	.....	.....	1	3	1	8	2	1	6	.....	1	.....	1	.....	.....	.....	180	.8	4.8
4	2	1	.....	1	2	3	1	.....	.....	.....	.....	3	.....	2	2	2	5	137.5	3.6	.....
5	3	3	2	.....	2	1	1	.....	.....	1	2	2	2	3	.....	.....	2	98	3.1	.....
6	5	1	4	.....	.....	.....	1	.....	.....	.....	.....	.....	3	4	1	1	4	124.5	2.2	7.1
7	2	1	3	.....	4	1	1	.....	.....	.....	2	1	3	2	.....	.....	4	108.5	2.8	.....
8	.....	2	9	3	.....	.....	.....	.....	.....	.....	.....	1	2	1	.....	1	5	104	2.7	.....
9	3	1	5	2	1	.....	.....	.....	.....	.....	1	2	3	.....	2	.....	4	116	2.8	.....
10	.....	2	2	.....	1	.....	.....	.....	.....	4	3	1	3	2	.....	.....	6	145.5	**4.4**	.....
11	.....	.....	1	1	2	.....	5	1	.....	6	4	2	1	.....	.....	.....	1	178	3.8	.....
12	.....	.....	5	.....	7	1	.....	.....	1	.....	1	1	4	2	.....	.....	2	131	3.5	.....
13	2	1	4	.....	.....	.....	.....	2	2	.....	3	3	2	1	1	.....	3	143.5	2.8	.1
14	.....	.....	6	.....	2	1	2	.....	.....	.....	2	2	3	1	1	.....	4	162	3.6	.....
15	2	1	1	3	3	.....	.....	.....	.....	.....	4	2	4	1	.....	.....	3	181	3.9	13.5
16	1	2	5	1	1	.....	.....	.....	.....	1	4	1	1	4	.....	.....	3	195	4.2	.....
17	3	1	3	.....	1	.....	.....	.....	.....	.....	4	3	3	1	.....	.....	5	175	3.4	13.7
18	.....	.....	8	.....	3	.....	1	.....	.....	1	.....	.....	2	2	.....	.....	7	95	2.5	.....
19	.....	2	8	.....	4	.....	.....	.....	.....	.....	.....	1	3	1	1	1	3	112	2.4	2.8
20	.....	3	3	3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13	**64**	.5	4.8
21	2	1	7	1	2	1	2	.....	.....	1	2	.....	.....	.....	2	2	1	98	2.1	7.4
22	3	.....	8	.....	1	.....	1	.....	1	.....	.....	.....	.....	.....	1	.....	9	83	.7	.3
23	2	2	3	.....	.....	.....	.....	.....	.....	.....	1	.....	5	.....	3	2	6	89.5	.8	34.9
24	.....	2	1	.....	2	1	5	3	.....	2	.....	1	.....	.....	.....	.....	7	94.5	.7	5.8
25	.....	.....	.....	.....	1	2	9	1	1	4	4	.....	1	.....	.....	.....	1	172	1.7	2.2
26	.....	.....	.....	.....	.....	2	1	.....	3	3	4	.....	3	.....	1	.....	7	150.5	2	1.9
27	.....	.....	.....	.....	3	1	1	.....	2	8	4	2	.....	1	.....	.....	2	266.5	**0**	51
28	.....	.....	4	.....	.....	.....	.....	2	1	3	5	2	.....	2	.....	.....	5	193	**0**	195.2
29	.....	.....	3	.....	1	.....	.....	.....	.....	.....	1	3	2	1	3	4	6	190	**0**	**293.5**
30	.....	.....	1	2	.....	.....	1	.....	.....	1	9	8	1	1	.....	.....	.....	454.5	1.3	36.7
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	14	4	.....	.....	.....	.....	.....	518.5	2.1	15.5
Total	32	30	97	22	52	16	44	12	12	47	80	54	53	36	21	16	120	5,189.5	67	810.1
Mean	1	1	3.1	0.7	1.7	0.5	1.4	**0.4**	**0.4**	1.5	2.6	1.7	1.7	1.2	0.7	0.5	**3.9**	167.4	2.2	26.1

EXTREME VALUES

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°*C.*		*Per cent.*	*mm.*	*mm.*		°*C.*		*Per cent.*	*mm.*
1	755.75	0.05a.	31.2	11.10a.	97	23.9	752.18	4.00p.	23.4	midnight	71	20.2
2	58.30	11.10p.	**25.8**	0.20p.	97	22.6	53.35	2.40a.	**20.8**	8.40p.	89	**18.3**
3	60.85	11.10p.	27.2	1.05p.	97	**21.8**	57.10	0.25a.	21.5	1.10a.	78	18.7
4	60.60	11.20p.	32.2	2.30p.	97	22.2	**59.15**	3.40p.	22.5	2.15a.	62	19.6
5	60.65	9.35a.	32.1	3.55p.	94	23.7	58.11	4.00p.	22.8	5.35a.	62	20
6	61	10.20p.	31.5	1.10p.	95	22.6	58	2.35p.	22.9	5.30a.	66	19.5
7	61	9.45a.	32.2	2.50p.	96	22.5	59.10	2.55p.	22.8	5.15a.	65.5	20.1
8	**61.40**	9.40a.	32.2	2.05p.	97	23.2	58.95	4.05p.	22.9	5.45a.	66	19.8
9	60.60	0.05a.	32.5	1.35p.	95	23.9	57.45	4.05p.	23.4	5.50a.	70	20.4
10	59.61	9.00a.	33.3	2.35p.	97	22.5	56.80	3.50p.	21.7	5.45a.	**52**	18.8
11	60.05	11.25p.	32.9	0.50p.	95	24.8	57.15	2.45p.	24.2	5.45a.	63	21.8
12	60.20	8.55a.	**33.9**	2.35p.	95	24.4	57.45	3.45p.	24.4	5.45a.	64	**21.9**
13	60.15	8.45a.	**33.9**	3.15p.	95	24.8	57.30	4.40p.	**24.7**	3.45a.	64	**21.9**
14	59.85	8.45a.	33.3	2 15p.	**93**	24.1	56.85	3.55p.	23.7	11.55p.	60	20.2
15	58.80	0.05a.	32.8	1.10p.	97	24.3	56.10	4.30p.	23	3.35a.	63	20.3
16	58.85	9.00p.	33.5	2.45p.	97	24	55.80	3.30p.	23.8	5.45a.	62	19.2
17	59.50	7.55p.	33.1	2.25p.	97	24	57.05	3.45p.	23.1	8.00p.	61	20.1
18	58.95	0.10a.	31.8	1.05p.	97	24	56.20	4.25p.	22.8	5.40a.	65	20.3
19	58.25	0.05a.	32	1.10p.	96	23.3	55.50	5.15p.	23.2	5.25a.	64	20.6
20	57.94	11.00a.	28.4	3.50p.	96	22.8	56.07	4.00p.	23.3	5.30a.	78	20.8
21	57.34	9.00a.	31.7	11.20a.	95	23.8	54.65	3.45p.	23.5	4.45a.	68	20.8
22	57.55	10.25p.	29.7	10.20a.	96	24.5	55.05	4.00p.	24	5.45a.	75	21.1
23	57.05	0.05a.	29.7	11.10a.	97	23.5	54.90	3.55p.	24.2	5.45a.	78	21.8
24	56.65	11.00p.	31.1	11.25a.	97	23.7	54.15	3.30p.	23.8	5.30a.	73	21.7
25	57.20	10.35p.	30.7	11.25a.	97	23.8	55.15	4.35p.	24	4.55a.	70	21.2
26	57.25	8.25a.	30.6	1.55p.	94	23.1	53.65	4.40p.	24.5	5.45a.	70	21
27	55.10	0.05a.	27.9	11.05a.	96	23.2	52.95	2.20p.	23.6	7.15p.	84	20.7
28	55.20	11.40a.	26.4	11.55p.	98	22.8	53.20	4.25p.	23.6	2.30p.	88	21.4
29	55	9.45p.	26.3	0.05a.	**99**	22	52.85	4.25p.	23.2	7.55a.	**92**	20.9
30	**54.30**	10.00p.	29.1	9.10a.	**99**	24.1	**51.92**	4.00p.	23.6	0.05a.	78	**21.9**
31	55.05	11.35p.	31	1.50p.	**93**	**25**	52.05	4.15p.	23.9	0.50a.	76	21.7
Mean	758.39	....	31	....	96.2	23.5	755.68	....	23.3	....	70.2	20.5

DAILY GENERAL REMARKS

1....⛈ E quadrant in the evening; ●^{2} at night.
2....Somewhat rainy weather with gusty winds in the afternoon.
3....● in the morning and afternoon.
4....Cloudy weather.
5....As yesterday.
6....⌓ early in the morning; light thundershowers in the afternoon.
7....T E, d° in the afternoon.
8....⛈ NE quadrant in the afternoon.
9....⌓^{2} early in the morning; ⛈ E quadrant in the afternoon; coloration of clouds at sunset.
10....⛈ E and S quadrants in the afternoon.
11....⌓° early in the morning; ⛈ various points at noon.
12....T NE in the afternoon; ϟ NNW in the evening.
13....d°, T E quadrant in the afternoon.
14....⛈ various points in the afternoon.
15....⛈° various points in the forenoon, ● at night.
16....ϟ N, NNE in the evening.
17....⊕ in the forenoon and afternoon; ⛈ E, N in the evening; ● at night.
18....T NE quadrant in the afternoon.
19....⊕, ⛈ N quadrant, d° in the afternoon.
20....●° in the morning; d in the afternoon.
21....● in the afternoon.
22....d° in the afternoon.
23....d° in the morning; T in the afternoon; ● in the afternoon and at night.
24....≡ in the morning d at noon; ●° in the afternoon.
25....d in the early morning; ●° in the afternoon.
26....●°, somewhat gusty SW winds in the after noon.
27....Somewhat rainy weather with gusty SWly winds in the afternoon.
28....Very rainy weather with gusty SWly winds at night.
29....Very rainy weather; T WSW in the forenoon; T, ⛈^{2} various points in the afternoon.
30....Still rainy in the early morning, less frequent and decreasing in intensity in the rest of the day, gusty SWly winds at intervals reaching to 19 meters per second at 9.45 p. m.; T N 10.25 a. m.
31....Gusty SWly winds at intervals with some rains.

OBSERVATIONS FOR AUGUST, 1919

ATMOSPHERIC PRESSURE, 700mm+

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	54.35	53.80	53.45	53.40	53.50	53.60	54.23	54.52	54.95	54.79	54.45	54.33
2	54.70	54.45	54.35	54.40	54.50	54.79	55.07	55.19	55.58	55.50	55.29	54.89
3	55.50	55.20	55	54.80	55.05	55.22	55.76	55.86	56.20	56.31	55.96	55.47
4	55.60	55.20	54.80	54.95	55.10	55.86	55.81	55.76	55.69	55.62	55.61	55.26
5	55.65	55	54.75	55.15	55.20	55.36	55.89	56.36	56.41	**56.94**	56.46	56.35
6	55.05	54.45	54.10	53.90	54.05	54.72	**55.24**	55.23	55.16	55.18	54.91	54.46
7	**53.05**	52.95	52	51.75	51.65	51.71	52.71	52.66	52.48	52.60	52.50	52.16
8	52.10	51.90	51.70	51.70	51.95	52.38	52.48	52.68	52.73	52.66	52.66	52.53
9	52.15	**51.90**	52.35	52.10	52.30	52.56	53.06	53.15	53.78	54	53.55	53.73
10	54	53.40	53.40	53.45	53.55	53.81	54.36	54.82	**55.06**	54.91	54.61	54.37
11	53.80	53.75	53	52.65	52.75	53.25	53.31	53.75	53.75	53.85	53.45	53.87
12	53.65	52.85	52.75	**52.40**	52.50	52.48	53.33	53.83	54.23	54.12	54	53.83
13	54.55	54	53.70	**53.60**	53.65	54	54.35	54.80	54.97	55.24	55.43	55.22
14	55.95	55.90	55.60	**55.45**	55.65	56.01	56.62	56.88	57.05	57.05	56.69	56.64
15	56.90	56.30	56.10	56.05	56.15	56.43	57.38	57.91	57.63	57.30	57.56	57.46
16	57.65	57.30	57.20	57.30	**57.15**	57.30	57.65	58.05	58.34	58.22	58.34	58.22
17	59.25	58.80	58.45	58.50	58.55	58.54	58.92	59.14	59.54	59.50	59.11	58.79
18	58.75	58.50	58.20	58.25	58.30	58.15	58.34	58.63	58.68	58.60	58.53	57.82
19	58.30	57.40	57.90	57.70	57.75	57.80	57.85	58.11	58.46	**58.52**	58.43	57.85
20	**55.80**	**55.80**	54.80	54.40	54.55	54.51	54.38	54.15	54.12	53.53	53.68	52.63
21	54	**53.85**	54.20	54.30	54.55	54.99	56.05	56.96	57.24	57.05	56.83	56.53
22	59.10	58.50	57.80	57.75	57.75	58.09	58.49	58.72	58.99	58.57	58.38	58.08
23	**58.95**	58.30	57.50	57.65	57.70	58.09	58.59	**58.95**	58.89	58.75	58.38	57.60
24	**57.10**	56.60	56.15	55.75	55.90	56.21	56.59	56.36	56.70	56.81	56.57	55.92
25	55.15	54.95	55.30	55.20	55.25	54.73	54.93	55.64	55.79	56.17	55.69	55.07
26	55.85	55.50	55.35	**54.90**	55.10	55.53	56.48	57.15	58.01	58.22	58.33	58.06
27	59.05	58.60	58.35	58.25	**57.90**	57.87	58.47	59.11	**59.56**	59.51	59.13	58.70
28	58.05	57.75	57.45	57.35	57.30	57.73	57.82	58.06	58.10	57.92	58.20	58.16
29	57.20	57.20	57	56.80	56.80	56.75	57	57.24	**57.31**	57.05	57.03	56.34
30	55.80	55.30	55.10	55.20	55.10	55.12	55.49	55.61	55.81	**55.86**	55.67	55.33
31	55.10	54.95	**54.85**	55.10	55.20	55.40	55.85	56.24	56.46	**56.50**	56.15	55.86
Mean	55.87	55.50	55.25	55.17	55.24	55.45	55.89	56.18	56.38	56.35	56.18	55.86

TEMPERATURE (°C.)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	26	**25.4**	26.2	26	25.9	26.4	25.9	27.9	25.6	28	**29.6**	28.7
2	26.5	26.4	26.9	26.8	26.3	26.3	27.9	28.5	30	28.9	29.5	30.5
3	25	**24.2**	**24.2**	25	25	25.6	26.2	26.5	25.9	25	25.3	26.1
4	25.3	25	25	24.9	24.7	24.9	25	25.7	26.1	26.8	26.4	**28**
5	25	25	25.5	24.9	24.6	24.5	24.6	24.8	24.9	24.7	24.9	24.1
6	25	25	24.9	24.8	25.3	25.5	26.1	27	26.4	26.1	26	**27.1**
7	26.1	26	26.1	26.1	26.2	25.5	25.5	25.9	26.5	27.6	**28.1**	**28.1**
8	26.6	26.6	26.9	27.1	25.6	**25.3**	25.9	26.5	27.8	28.3	29.4	**30**
9	25.9	25.7	**24.6**	24.7	25	25.5	25.6	26.5	25.9	25.6	**27**	24.7
10	26.1	26.4	26.2	25.8	25.1	25.7	**24.4**	25.2	25.9	26.1	25.5	25.8
11	26.1	26.2	25.7	26.6	**26.9**	25.8	26	26.3	26.4	25.6	26.7	25
12	24.5	24	23.9	24.3	24.4	24	24.2	24.5	24.2	24.5	24.6	24.9
13	**23.9**	24.2	24.2	24.7	24.5	24.7	24.5	24.4	25.4	24.8	24.8	26.1
14	24.3	**24.1**	24.3	24.3	24.3	24.4	24.8	25.4	25.6	25.7	27.2	27.9
15	24.7	24.9	24.9	24.9	25.3	25.1	24.2	24.7	25.8	26.4	26.7	26.4
16	23.9	24.1	24	24.3	24.2	24	25.2	27	28.2	29.5	29.8	**30**
17	24.5	**24.4**	24.6	24.6	24.5	24.5	25.1	26.4	26.7	26.5	28	28.6
18	25.3	25.2	25.1	25.1	25	25.5	26.2	28.1	29	29.7	28.8	30.1
19	24.7	24.6	**24.4**	25	24.9	24.8	25.6	27.2	28	29	28.5	29.3
20	25.8	25.5	25.7	25.6	25.2	**25**	25.9	26	**26.9**	**26.9**	26.4	26.3
21	26.1	25.8	25.7	25.8	25.4	25.3	25.2	24.8	25.7	27	28	29.1
22	24.1	24.2	24.3	24.2	**24**	**24**	25.9	28	29.1	30.2	30.9	**31.3**
23	25	24.8	24.4	24.2	24.1	**24**	25.4	27.8	28.1	29.2	29.3	29.5
24	26.2	26.6	26.8	26.7	26.9	26	26.6	28.4	27.8	27.5	**29**	27.3
25	25.8	25.7	24.5	24.3	24.7	25.2	26.3	**26.5**	26	24.5	24.7	25.2
26	23.4	24.5	24.4	24.2	24.1	24.2	24.3	24.4	24	24.3	24.1	24
27	23.2	23.3	23.2	23.1	**23**	**23**	23.4	24.4	23.8	24.2	25.3	**26.4**
28	23.5	23.5	23.4	**23.3**	**23.2**	23.3	24.4	25.5	26.8	26.2	26.7	26.3
29	**23.9**	24.6	24.9	24.9	24.9	25	25.5	26	27.3	27.6	**29.3**	29
30	25.7	25.5	25.5	25.5	25.5	25.5	26.1	26.9	26.7	26.7	26.2	**27.2**
31	25.5	25.4	25.3	25.4	25.4	25.3	25.4	25	24.9	24.6	24.5	**24.1**
Mean	25.1	25.1	**25**	25.1	**25**	**25**	25.4	26.2	26.5	26.7	27.1	**27.3**

ATMOSPHERIC PRESSURE, $700^{mm}+$

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
53.88	53.60	53.40	**53.37**	53.60	53.80	54.04	54.70	54.70	55.05	**55.35**	55.05	54.16
54.58	54.43	54.23	**54.11**	54.23	54.76	55.35	55.45	56.05	**56.50**	56	55.80	55.01
55.35	55.01	**54.66**	54.84	54.86	54.82	55.35	55.80	56	56.20	**56.40**	56.05	55.49
54.79	54.47	54.37	**54.31**	54.56	54.87	55.50	55.70	56.05	56.15	**56.20**	56.10	55.35
55.89	55.11	55.31	55.01	55.01	**54.51**	55.28	55.25	55.45	55.85	55.50	55.55	55.55
54.88	54.88	54.28	53.77	**53.52**	53.81	53.76	54.60	54.30	53.95	54.10	53.70	54.42
51.75	51.99	51.56	**51.31**	51.37	51.93	52.43	53	52.70	52.60	52.50	52.40	**52.24**
52.13	**51.63**	51.66	51.77	51.87	52.12	52.55	52.80	53	**53.05**	53	52.80	52.33
53.57	53.17	52.87	52.77	52.82	53.10	53.57	53.85	54.20	**54.65**	**54.65**	54.40	53.26
53.86	53.55	52.88	**52.74**	53.11	53.40	53.70	53.90	54.40	54.35	54.45	54.10	53.92
53.40	52.90	52.83	**52.46**	52.59	52.73	53.53	53.65	53.75	54.35	**54.45**	53.95	53.41
53.63	53.13	52.87	53.33	52.88	53.02	53.12	53.75	54.55	55.10	**55.35**	55.10	53.58
54.67	54.88	54.33	54.38	54.21	54.61	55.80	56	56.05	56.15	**56.25**	56.10	54.87
56.18	56.29	56.26	56.64	56.75	56.80	56.80	57.45	57.35	57.40	**57.55**	57.50	56.60
56.54	56.37	**55.72**	55.97	55.99	56.06	56.69	57.35	57.50	58.10	**58.15**	58	56.90
58.03	58.41	58.39	58.44	58.69	59.09	58.84	58.90	59.25	59.40	**59.55**	59.25	58.29
58.29	58.07	58.12	**57.89**	57.94	58.30	58.55	58.80	59.10	**59.65**	59.55	59.25	**58.78**
57.19	57.09	56.79	**56.44**	56.75	56.99	57.74	58.50	58.95	58.90	**59**	58.70	58.07
57.35	56.98	56.92	**56.89**	56.92	56.92	57.02	57.20	57.30	57.35	56.80	56.15	57.49
51.88	51.43	51.32	51	**50.96**	51.25	51.86	52.60	53.20	54.20	54.70	54.35	53.38
56.13	55.70	55.52	55.97	56.15	57.03	57.61	57.85	58.40	**59.30**	59.25	59.25	56.45
57.86	57.28	**57.26**	57.57	57.60	57.73	58.27	58.95	59.25	**59.65**	59.45	59.25	58.35
57.26	57.09	56.57	**56.37**	56.41	56.47	56.95	57.65	57.70	58	58.30	57.60	57.74
55.55	55.03	55.08	54.99	**54.92**	55.50	55.70	55.70	55.80	56.10	56.25	55.85	55.96
54.91	54.33	54.16	**54.15**	54.23	55.06	55.82	55.90	56.20	**56.70**	56.65	56.50	55.35
57.86	57.50	57.20	57.66	57.72	57.71	58.05	58.70	58.85	59.30	59.35	**59.40**	57.41
58.66	58.10	58.28	58.17	58.28	58.30	58.60	58.65	58.90	59.05	59.05	58.65	58.63
57.60	57.34	57.09	**56.87**	57.07	57.60	57.46	58.05	58.45	**58.60**	58.25	57.80	57.75
55.92	55.18	55.01	**54.51**	55.18	55.79	56.14	56.35	56.65	56.55	56.35	56.15	56.40
55.12	54.82	54.93	**54.72**	54.79	54.99	55.23	55.55	55.60	55.65	55.85	55.30	55.33
54.98	54.73	54.61	**54.22**	54.32	54.64	54.70	55	55.45	55.75	55.60	55.45	55.30
55.47	55.18	54.98	**54.92**	55.01	55.28	55.68	56.05	56.29	56.57	**56.58**	56.31	55.73

TEMPERATURE (°C.)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
28.9	28.6	28.4	29	27.9	27.8	27.9	28	28	28	26.8	26.5	**27.4**
31	29	28.7	27	27.2	25.2	25	25.1	25.4	**24.2**	24.7	25.2	27.2
25.9	27	**27.9**	27.6	27.3	26.9	26.2	25.7	26	25.6	25.5	25.4	25.9
28	27.8	27.8	27.5	27	26.7	26.6	26.6	26.3	26.1	25	**24.5**	26.2
24.5	**26.1**	24.8	25.1	24.4	24.9	24.1	24.4	24.5	24.7	**24**	24.2	24.7
23.3	24.1	25.1	25	25.4	25.7	25.6	24.4	24.7	25.6	25.7	26	25.4
27.3	25	24.4	25.3	**23.9**	25.3	25	24.9	25	25.2	25.9	27	25.9
27.7	29.8	27.8	27.7	26.8	27.6	26.4	27.2	25.6	25.4	25.9	26	27.1
25.8	26.1	26.4	26.2	26.3	25.3	25.6	26	25.9	25.6	25.3	25.7	25.7
26.8	27.4	**27.9**	27.3	25.4	26.4	26.6	26.4	26	26.8	26.9	26.9	26.2
25.8	25	24.9	25.4	25.3	25	24.4	24.8	25.5	24.6	24.1	**23.9**	25.5
24.2	24.8	24.1	24.4	24.6	**25.3**	25.1	24.4	24.7	24.3	**23.6**	23.8	24.4
26.4	25.2	24.7	24.5	25.5	26.3	24.7	24.9	24.5	24.8	24.8	24.7	24.9
28.5	26	25.4	24.8	24.4	25	25.3	25	25.1	24.9	24.7	24.5	25.2
27.2	**27.5**	26.6	25.7	26	26	25.4	25.5	25.4	24.8	24.7	**24.1**	25.5
24.7	25.9	25	**23.6**	24.8	25	25.1	25.2	25	24.7	24.5	24.5	25.5
29.5	28.5	26.9	29.4	27.8	27.1	26.9	26.7	26.3	26.1	26	25.8	26.5
30.2	**30.6**	29	29.2	27.8	26.9	26.9	25.9	25.5	25.5	25.4	**24.8**	27.1
29.7	29.4	**30.3**	26.6	26.9	26.4	26.2	26.2	26.2	25.8	26.4	26.1	26.8
26.2	26.2	25.8	25.7	26	26.2	26.2	26.1	25.8	25.8	26	25.7	26
30.1	30	**30.2**	29.2	28.5	26.3	24.7	24.7	24.7	24.7	24.6	**24.5**	26.5
31	31	31	27.5	27.7	26.9	26.2	26	25.6	25.3	25.1	25	27
25.6	27.9	**30.1**	28.8	28.3	27.5	26.9	26.1	26.4	26.8	27	26.8	26.8
28.8	28.5	28	27.7	27	26.9	26.2	26.5	26.4	26.9	27.1	**25.8**	27.2
24.9	24.7	24.7	24.6	24.8	24.9	24	24.4	24.3	23.9	23.3	**23.1**	24.8
24.5	**25.2**	24.7	24.3	24	23.5	23.4	23.4	23.4	**23.3**	**23.3**	**23.3**	**24**
26.3	**26.4**	23.5	23.9	23.9	23.7	23.5	23.5	23.5	23.5	23.5	23.5	**24**
27	25.5	25.8	25.4	25.7	25.1	25	24.5	24.4	24.5	24.3	23.9	24.9
28.8	28.3	28.5	28.1	27.1	26.4	25.7	25.2	25.3	24.9	25.5	25.7	26.4
24.6	25.1	**24.5**	24.7	24.8	25.2	25.5	25.6	26.1	25.6	26.1	25.8	25.7
24.1	24.5	25.4	**26**	25.8	24.8	24.5	25.8	25.7	25.8	25.9	25.2	25.2
27	27	26.7	26.4	26.1	25.9	25.5	25.5	25.4	25.3	25.2	25.1	25.9

RELATIVE HUMIDITY (%)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	87	92	86	88	88.5	88	**93.5**	82	93	85	**77**	80
2	88	89	85	87	88	89	85	85	77	78	85	78
3	97	97	**98**	97	96	93	90	94	94	97	93	89
4	94	**97**	94	94	92	92	94	93	91	87	90	81
5	96	96	93	96	97	97	97	93	**92**	**92**	95	**99**
6	92	88	95	96	94	93	89	**84**	90	94	94	88
7	89	90	89	89	89.5	94	92	93	91	86	85	**84**
8	89	91	89	87	92	93	91	88	88	86	79	**77**
9	93	93	96	97	97	96	95	90	92	93	93	**98**
10	92	92	90	88	92	88	**99**	95	88.5	89	94	96
11	89	91	92	88	**86**	91	92	94	91	93	92	94
12	93	96	**97**	94	94	**96**	96	95	92	96	95	92
13	**97**	96	96	94	95	96	**97**	92	90	93	93	**86**
14	**97**	**97**	**97**	**97**	**97**	**97**	**97**	96	91	95	89	**82**
15	95	95	95	94	93	92	95	89	86	86	**83**	84
16	**97**	94	94	93	94	96	92	85	81	76.5	**70**	74
17	**97**	95	95	95	**97**	**97**	96	90	88	90	82	**80**
18	**98**	**98**	**98**	**98**	**98**	97	94	84	78	77	**75**	**75**
19	94	**95**	**95**	91	92	92	88	83.5	83	78	78	76
20	88	90	84	88	91	**92**	87	86	82	**77**	85	90
21	83	86	85	84	86	88	88	**95**	93	85	80	74
22	**97**	96	95	96	**97**	**97**	88	79	72	68	65	**64**
23	92	92	95	96	96	**97**	93	83	81	77	75	75
24	91	89	86	86	89	89	85	80	84	84	78	84
25	92	92	96	**97**	95	95	94	93	94	94	92	92
26	**98**	96	96	97	96	96	94	92	96	95	91	92
27	97	97	97	**98**	**98**	**98**	97	95	94	94	89	85
28	**97**	96	97	97	**98**	97	96	90	85	89	86	86
29	**96**	94	92	92	92	92	90	89	79	80	**74**	78
30	89	86	87	87	88	91	87	**83**	86	86	88	83.5
31	93	91	91	90	90	93	93	91	92	94	92	94
Mean	93.1	93.1	92.7	92.6	93.2	**93.6**	92.4	89.1	87.6	86.9	85.1	**84.2**

VAPOR PRESSURE (^{mm})

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	**21.7**	22.1	21.8	21.9	22	22.4	23.2	22.7	22.5	23.9	23.6	23.5
2	22.6	22.7	22.4	22.8	22.3	22.5	23.8	24.7	24.2	23.2	**26**	25.4
3	22.8	**21.8**	22.1	22.8	22.5	22.5	22.8	**24.3**	23.4	22.8	22.2	22.2
4	22.6	22.8	22.1	22	**21.4**	21.6	22.1	22.7	22.9	22.8	**23.1**	22.7
5	22.5	22.5	22.4	22.4	22.2	22	22.2	21.7	**21.4**	**21.4**	22.2	22.1
6	21.7	**20.8**	22.2	22.3	22.6	22.4	22.5	22.3	22.9	23.4	**23.5**	**23.5**
7	22.5	22.5	22.5	22.2	22.6	22.8	22.2	23	23.4	23.6	**23.9**	23.7
8	23	23.5	23.4	23.2	22.4	**22.3**	22.6	22.6	24.3	**24.6**	24.2	24.2
9	23	22.9	**22**	22.5	22.8	23.2	23.2	23	22.8	22.5	**24.5**	22.7
10	23	23.5	22.9	**21.6**	21.9	21.7	22.5	22.6	22	22.2	22.8	23.6
11	22.5	23	22.5	22.7	22.8	22.4	22.9	23.7	23.3	22.5	**23.9**	22.1
12	21.3	21.2	21.3	21.2	21.3	21.2	21.5	21.7	**20.7**	21.9	21.8	21.6
13	21.3	21.5	21.5	21.8	21.7	22.2	22.3	**21**	21.7	21.7	21.7	21.7
14	21.8	21.5	21.8	22	22	21.9	22.5	23.1	22.1	23.3	**23.8**	23
15	21.9	22.2	22.2	22	22.3	21.7	21.3	**20.6**	21.2	21.9	21.5	21.5
16	21.3	21	**20.8**	21	21.1	21.2	21.8	22.5	23	**23.4**	21.8	**23.4**
17	22	**21.6**	21.8	21.8	22	22	22.7	23.1	22.9	23.2	22.9	23.1
18	23.4	23.4	23.1	23.3	23.2	23.4	23.6	23.7	23.1	24	22	23.9
19	21.8	21.8	21.6	**21.3**	21.4	21.5	21.6	22.4	23.3	23.3	22.6	22.9
20	21.9	21.8	20.7	21.4	21.6	21.6	21.6	21.5	21.6	**20.4**	21.7	**22.9**
21	20.9	21.2	20.9	**20.7**	**20.7**	21	21.1	22.1	**22.7**	22.5	22.5	22.2
22	21.5	21.5	21.4	21.5	21.4	21.4	21.8	**22.3**	21.6	21.7	21.7	21.7
23	21.6	21.5	21.6	21.5	21.4	**21.4**	22.5	23.1	22.9	**23.2**	22.7	22.8
24	23	23	22.6	22.5	23.4	**22.1**	22.2	23.1	23.2	22.8	23.1	22.5
25	22.7	22.5	22	22	21.9	22.6	23.7	**23.9**	23.3	21.5	21.2	21.8
26	21	**21.9**	21.7	21.7	21.4	21.5	21.2	21	21.2	21.4	**20.4**	**20.4**
27	20.6	20.7	20.6	20.6	20.5	20.5	20.8	21.6	20.6	21.1	21.4	**21.7**
28	20.7	**20.6**	**20.6**	20.7	20.8	20.7	21.7	21.8	22.2	22.4	**22.5**	21.9
29	**21.1**	21.6	21.4	21.4	21.4	21.6	21.8	22.3	21.6	21.9	22.5	**23.1**
30	21.9	**20.9**	21	21	21.3	22	21.8	21.7	22.3	22.3	22.2	**22.4**
31	22.4	21.9	21.8	21.7	21.7	22.2	22.5	21.3	21.4	21.6	21.1	**21**
Mean	22	22	**21.8**	21.9	21.9	21.9	22.3	22.5	22.4	22.5	22.6	22.6

RELATIVE HUMIDITY (%)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
82	84	84	81	84	83	83	82	82	81	89	91	85.2
75	80	80	86.5	88	95	98	97	96	**99**	98	97	87.6
92	87	84	**83**	87	90	92	94	92	96	96	96	92.7
82	**80**	82	81	83	85	84	85	87	88	**97**	**97**	88.8
99	95	97	95	95	95	98	**99**	97	97	**99**	98	**96.1**
100	96	93	94	90	90	93	94	94	86	89	89	91.9
88	94	91	90	**99**	93	90	93	96	96	91	90	90.9
88	78	83	85	86	87	88	87	94	**95**	92	93	87.8
91	**89**	91	92	95	96	96	93	93	95	95	93	93.8
87	87	**85**	86	93	90	90	90	90	88	86	87	90.1
93	95	94	92	94	95	**97**	95	93	96	95	**97**	92.9
97	95	95	**97**	91	92	**90**	93	93	96	96	96	94.5
87	95	95	95	95	91	95	94	**97**	**97**	**97**	**97**	94.2
82	92	94	96	96	92	94	94	92	92	94	**93**	93.5
83	85	88	88	92	92	93	94	95	94	94	**96**	90.9
92	88.5	90	95	93	94	95	94	95	95	**97**	**97**	90.5
80	85	94	84	88	92	93	94	96	**97**	**97**	**97**	91.6
75	76	80	81	82	81	83	80	89	89	90	93	86.2
77	76	**73**	87	84	87	88	88	89	90	85	87	85.7
89	89	90	88	88	89	89	89	90	87	86	86	87.5
66	69	68	74	74	88	92	92	92	92	93	93	84.2
66	66	65	76	73	75	81	85	89	91	92	92	**81.9**
88	82	**72**	78	77	84	85	88	86	86	85	84	85.3
79	**77.5**	80	82	84	84	88	88	89	90	87	**93**	85.3
97	**97**	**97**	96	96	92	95	95	**90**	94	**97**	**97**	94.5
91.5	**90**	91	93	96	97	97	97	97	97	97	97	95
84	**82**	94	91	93	95	97	97	97	97	97	97	94.2
83	93	90	90	90	91	91	94	96	96	96	97	92.5
77	79	80	78	87	88	87	92	93	94	93	89	86.9
93	94	**97**	93	92	90	89	88	89	87	88	90	88.8
94	95	91	92	92	94	**96**	93	**89**	**89**	91	92.5	92.2
85.7	86.2	86.7	87.7	88.9	89.9	91.2	91.5	92.2	92.5	92.9	93.3	90.1

VAPOR PRESSURE (mm)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
24.2	**24.4**	24.1	24.1	23.4	23.1	23.2	23.1	22.9	22.7	23.3	23.4	23
24.9	23.7	23.5	22.9	23.6	22.6	22.9	22.9	23.1	**22.2**	22.7	23	**23.4**
22.8	23.1	23.4	22.8	23.4	23.6	23.2	23.1	22.9	23.3	23.2	23.1	22.9
22.9	22.2	22.6	22	21.9	22.1	21.8	21.9	22.1	22.1	22.8	22	22.3
22.7	**23.9**	22.5	22.5	21.6	22.2	21.9	22.5	22	22.3	22	22.1	22.2
21.3	21.4	22.1	22.1	21.7	22.1	22.5	21.3	21.8	21.9	21.9	22.3	22.2
23.8	22.1	**20.6**	21.5	21.9	22.3	21.2	21.8	22.5	22.8	22.6	23.7	22.6
24.4	24.3	23.1	23.5	22.6	23.7	22.4	23.4	22.9	22.9	22.8	23.1	23.3
22.4	22.2	23.3	23.2	24.1	23	23.3	23.1	23	23.2	22.7	22.9	23
22.8	23.5	**23.8**	23.1	22.3	22.9	23.1	23.1	22.5	23	22.8	22.9	22.8
22.8	22.4	22	22.1	22.6	22.4	21.9	22.1	22.6	22	**21.1**	21.5	22.5
21.8	**22.1**	21.1	21.9	20.8	21.9	21.3	21.2	21.5	21.6	**20.7**	20.9	21.4
22.3	22.6	21.9	21.7	23	**23.2**	21.9	22	22	22.5	22.5	22.3	22
23.6	22.9	22.7	22.3	21.7	21.7	22.6	22.1	21.9	21.6	21.8	**21.3**	22.3
22.2	**23.2**	22.7	21.5	22.9	22.9	22.3	22.8	22.9	21.9	21.8	21.4	22
21.2	22	21.2	**20.5**	21.7	22.1	22.5	22.4	22.4	21.9	22	22	21.8
24.5	24.5	24.6	**25.5**	24.5	24.5	24.4	24.3	24.4	24.3	24.2	23.9	**23.4**
24.1	**24.7**	23.7	24.4	22.8	21.3	21.7	**19.9**	21.7	21.7	21.7	21.7	22.9
23.7	23	23.3	22.6	22.1	22.3	22.2	22.2	22.4	22.3	21.7	21.8	22.3
22.4	22.4	22.3	21.7	21.9	22.4	22.4	22.2	22.3	21.5	21.5	21.1	21.8
21	21.7	21.6	22.2	21.4	22.3	21.2	21.2	21.4	21.4	21.4	21.3	21.5
22.1	22.1	21.6	20.6	20.1	**19.6**	20.4	21.1	21.8	21.8	21.9	21.7	21.4
21.6	22.7	22.9	22.8	22.1	22.8	22.4	22.1	22	22.6	22.5	22	22.3
23.3	22.4	22.5	22.7	22.3	**22.1**	22.2	22.6	22.7	**23.6**	23.2	22.8	22.7
22.6	22.3	22.3	22	22.3	21.4	21	21.6	**20.3**	20.7	20.7	20.5	22
20.9	21.4	21	21	21.2	20.7	20.8	20.8	20.6	20.7	20.7	20.7	21.1
21.3	21.1	20.2	**20.1**	20.5	20.6	20.7	20.7	20.7	20.7	20.7	20.7	**20.8**
22.1	22.4	22.3	21.7	22.1	21.5	21.3	21.5	21.7	21.7	21.6	21.3	21.6
22.6	22.5	23	22	**23.1**	22.4	21.3	21.8	22.3	22	22.6	21.9	22
21.4	22.3	22	21.5	21.5	21.4	21.7	21.6	22.2	21.2	22.1	22.3	21.8
21	21.7	21.9	**22.9**	22.7	21.9	21.9	22.8	21.9	22	22.6	22	21.9
22.6	**22.7**	22.4	22.3	22.3	22.2	22.1	22.1	22.2	22.1	22.1	22.1	22.2

CLOUDS—FORM AND DIRECTION

Day.	8 a.		9 a.		10 a.		11 a.		Noon.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	....	Cu. SW	....	N. SW	....	Cu. SW	....	Cu. SW	....	Cu. SW
2	A.-Cu.	Cu.-N. WSW	....	Fr.-N. WSW	....	Fr.-N. WSW	A.-Cu.	Cu.-N. WSW	....	Cu.-N. W
3	....	Cu.-N. WSW	....	Cu.-N. WSW	....	Cu.-N.	....	Cu.-N.	....	Cu.-N.
4	....	Cu.-N. WSW	....	Cu.-N. WSW	....	Cu.-N. WSW	....	Fr.-N. WSW	....	Cu.-N. WSW
5	....	N. WbyN	....	N.	....	N.	....	N.	....	N.
6	....	Cu.-N. W	....	Fr.-N. W	....	N. W	....	N. WSW	....	N. WSW
7	....	N. WbyS	....	N. WbyS	....	N.-cf. WbyS	....	Cu.-N. W	....	N.-cf. WSW
8	....	Fr.-N. WSW	....	Cu.-N. WSW	....	Fr.-N. WSW	....	Fr.-N. WSW	....	Cu.-N. WSW
9	....	N. WSW	....	N. WSW	....	N. WSW	....	N. WSW	....	N. WSW
10	....	N. WSW	....	N. WSW	....	N. WSW	....	N. WSW	....	N. WSW
11	....	N. WSW	....	N. WSW	....	N. WSW	....	N. WSW	....	N. WSW
12	....	N.	....	N. WSW	....	Fr.-N. W	....	N.	....	N.
13	A.-Cu. W	N. WSW	A.-Cu. W	Fr.-N. WSW	....	N. WSW	....	N. WSW	....	Cu. WSW
14	....	Cu.-N. WSW	....	N. WSW	....	N. W	....	Cu.-N. WSW	....	Cu.-N. WSW
15	....	N.-cf. WSW	....	Cu. WSW	Ci.-S.	Cu.-N. WSW	....	N. WSW	Ci.-S.	Cu.-N. WSW
16	A.-Cu. W	Cu.	A.-Cu.	Cu.	A.-Cu.	Cu.-N. W	A.-Cu.	Cu.-N. W	....	Cu.-N. W
17	Ci.-S.	Cu.-N. W	Ci.-S.	Cu.-N. W	Ci.-S.	Cu.-N. W	Ci.-S.	Cu.-N. W	A.-Cu.	Cu. W
18	Ci.	Cu.	Ci.	Cu.	Ci. NE	Cu.	....	Cu. WSW	Ci.	Cu. WSW
19	Ci.	Cu. W	Ci.	Cu. W	Ci.	Cu. W	....	Cu. W	Ci.	Cu.
20	....	N.	....	N.-cf. NW	....	S.-Cu. W	....	N.	....	N. W
21	....	N. SSW	....	Cu.-N. SSW	....	Cu.-N. SSW	....	Fr.-N. SSW	....	Cu.-N. SSW
22	....	Cu.	....	S.-Cu. SW	....	Cu.	....	Cu.	....	Cu.
23	....	Cu. W	Ci.	Cu. W	A.-Cu.	Cu. W	A.-Cu.	Cu. W	Ci.	Cu. W
24	A.-Cu.	Cu. WSW	A.-Cu.	Cu.-N. WSW	....	Cu.-N. W	A.-Cu.	Cu.-N. W	A.-Cu.	Cu.-N. W
25	....	N. WSW	....	N. WSW	....	N. WSW	....	Fr.-N. WSW	....	Fr.-N. WSW
26	....	N. SW	....	N. SW	....	N. SW	....	N. SW	....	N.
27	....	Cu.-N. WSW	....	N. WSW	Ci.-S.	N.	Ci.-S.	Cu.	Ci.-S.	Cu.
28	Ci.-S.	Cu. W	Ci.-S.	Cu. W	Ci.-S.	Cu. W	Ci.-S.	Cu. W	....	Cu. W
29	A.-Cu.	S.-Cu. WbyN	A.-Cu.	Cu. WbyN	A.-Cu.	Cu. WNW	A.-Cu.	Cu. WNW	Ci.-S.	Cu.
30	....	S.-Cu. W	....	Cu. W	....	Cu. WSW	....	Cu. WSW	....	Fr.-N. WSW
31	....	N. W	....	N. W	....	N. WbyS	....	Fr.-N. WbyS	....	N. W

Day.	1 p.		2 p.		3 p.		4 p.		5 p.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	A.-Cu.	Cu.-N. WSW	....	Fr.-N. W	....	Fr.-N. W	A.-Cu.	Cu.-N. W	....	Fr.-N. W
2	Ci.-Cu.	Cu.-N. W	....	N.-cf. W	....	Cu. W	....	S.-Cu. W	....	Cu.-N. W
3	....	Fr.-N. WSW	....	Cu.-N. WSW	....	Cu. WSW	....	Cu.-N. WSW	....	Cu.-N. W
4	Ci.-S.	Cu.-N. WSW	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N. WSW	Ci.-S.	Cu.-N. WSW	Ci.-S.	S.-Cu. WSW
5	....	N.	....	N. WSW	....	N. WSW	....	N. WSW	....	N. WSW
6	....	N. WSW	....	N. WSW	....	N. WbyS	....	N.	....	N.
7	....	Cu.-N. WSW	....	N. WSW	....	N. WSW	....	N. WSW	....	N. WSW
8	Ci.-S.	Cu.-N. WSW	....	Cu.-N. WSW	....	Cu.-N. WSW	Ci.-S.	Cu. WSW	Ci.-S.	S.-Cu.
9	....	S.-Cu. WSW	....	N. WSW	....	N. WSW	....	N. WSW	....	N. WSW
10	Ci.-S.	N.-cf.	Ci.-S.	Fr.-N. WSW	Ci.-S.	N.-cf. WSW	Ci.-S.	N.-cf. WSW	....	Fr.-N. WSW
11	....	N. WSW	....	N.	....	N.	....	Fr.-N. WbyS	....	N. WSW
12	....	N. WbyS	....	N. W	....	N. W	....	N. W	....	N. WSW
13	....	Cu. WSW	....	N. WSW	....	N. WSW	....	N.	A.-Cu.	N. WSW
14	....	Cu. SW	....	N. SW	....	N. WSW	....	N. WSW	....	N. WSW
15	Ci.-S.	Cu.-N. WSW	....	Cu.-N. W	....	Cu.-N. W	....	N. W	....	N. W
16	....	N. W	Ci.-S.	N. W	Ci.-S.	Cu.-N. W	....	N. W	....	N. W
17	A.-Cu.	Cu. W	A.-Cu.	Cu.-N. W	....	N. W	A.-Cu.	Cu.-N. W	A.-Cu.	Cu.-N. W
18	Ci.	Cu.-N.	Ci.	Cu.-N. WSW	Ci.	Cu. WSW	Ci.	Cu.-N.	....	Cu.-N. WSW
19	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu. W	A.-Cu.	N. W	....	Cu.
20	....	N.	....	N. W	....	N. W	....	N. W	....	N. W
21	A.-Cu. W	Cu. SW	....	Cu. SW	A.-Cu.	Cu. SW	....	Cu. SW	....	Cu.-N. WSW
22	A.-Cu.	Cu. SW	A.-Cu.	Cu.	Ci.-S.	Cu.	A.-Cu. W	Cu. SW	A.-Cu. W	Cu.
23	....	N. W	....	S.-Cu. W	Ci.-Cu. ENE	Cu. W	Ci.	Cu.	....	Cu.
24	....	Cu.-N. W	....	Cu.-N. W	....	S.-Cu. W	....	S.-Cu. W	....	S.-Cu. W
25	....	Fr.-N. WSW	....	Fr.-N. SW	....	N. SW	....	N.	....	N.
26	....	Fr.-N. SW	A.-Cu.	N.-cf. SW	....	Fr.-N. SW	....	N. SW	....	Fr.-N. SW
27	....	Cu. SW	....	Cu. SW	....	N. SW	....	Cu. SW	Ci.-S.	Cu.
28	A.-Cu. NW	Cu. W	....	Fr.-N. W	....	Fr.-N. W	....	Cu.-N. W	A.-Cu.	Cu. W
29	Ci.-S.	Cu.-N.	....	Cu.-N.	....	Cu.-N.	....	Cu.-N. N	....	Fr.-N.
30	....	Fr.-N. W	....	N. W	....	Fr.-N. W	....	Fr.-N. W	....	Fr.-N.
31	....	N. W	....	Fr.-N. WSW	....	Fr.-N. W	....	Fr.-N. WSW	....	Fr.-N. WSW

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	SSW 4.5	S 1.5	SW 9	S 4.5	S 3.5	SW 3	SW 3	SSW 2	SSW **13**	SW 9	SW 9	SW 12
2	SSW 2.5	SSE 1	WSW 5.5	WSW 4.5	SW 5.5	SW 4.5	SW 6	SW 4	SW 6	SW 5	WSW 5	WSW 4.5
3	WSW 1.5	NE 1	Calm	WSW 2.5	SW 3	WSW 2	WSW 1.5	Calm	WNW 1	SSW 2.5	SSW 2	SW 4.5
4	SSW 3.5	SSW 3	SSW 5.5	SW 3.5	SW 5.5	WSW 4	WSW 4	SW 6.5	WSW 3	SW 3.5	SW .5	swbyw 5
5	SW 5.5	SW 2.5	WNW 2.5	Calm	Calm	Calm	ENE 1	SW .5	WSW 5.5	SW **8.5**	W 3.5	WNW 3
6	SW 9	SW 8	SW 3.5	SW 2.5	SW 5.5	WSW 4	WSW 5	WSW 8	WNW 1	SW 6.5	WSW 4	SW 3
7	SW 8	SW 8	SW 7.5	SW 9	SW 8	wsw 10	WSW 6	WSW 6	WSW 9	WSW 8	WSW 6.5	WSW 9
8	WSW 6.5	WSW 6.5	WSW 9	SW 6.5	WSW 9	WSW 9	WSW 5	WSW 8	WSW 8.5	WSW 5.5	WSW 6	WSW 7
9	SW 1.5	SW 9	WNW 9	WNW 3.5	NW 3.5	WSW 5	swbyw 9	SW 3	WSW **9.5**	WSW 6.5	WSW 7	WSW 6.5
10	SW 3	WSW 3.5	WSW 3.5	WSW **9.5**	WNW 1	W 3	W 8	SW 6	SW 7.5	SSW 1.5	SW 5	SSW 4.5
11	SW 9	SWbyW 4.5	WSW 1.5	swbyw 9	SWbyW 9	WSW 9.5	WSW 6	WSW 6.5	SW 7	SW 12	WSW 4	WSW 9
12	W 6	W 3.5	WSW 3.5	WSW 6.5	W 3	WbyS 3.5	SSW 3	WSW 3.5	WSW 3.5	SW 2.5	SW 3.5	WbyS **12**
13	SSW 3.5	WSW 9	WSW 9	SW 3	SSW 2.5	WSW 9	WSW 8	wsw 10.5	SWbyW 7	SW 6	SW 6	SSW 4.5
14	SSE 2	S 2	SSE .5	Calm	Calm	S 1	Calm	SSW .5	W 3	WSW .5	SSW 1	SSW 1.5
15	SW 5.5	SW 3.5	SW 3.5	SW 1	SW 1.5	SW 5	SW 8	SSW 5	SSW 1	SW .5	SW 8	WSW **11**
16	SSW 3.5	SSW 3.5	WSW .5	SSE 1.5	Calm	Calm	Calm	SSE 1	SSE .5	SSW 1	SSW 3	SW 5.5
17	Calm	WSW 3.5	WSW 3.5	Calm	Calm	Calm	Calm	SSW 1	SSW .5	SSW 1	WSW 1	SW 1
18	Calm	SW 1	W .5	SW .5	Calm	SW 1	SW 1	SSE 1	SW 1.5	SW 1	WSW 1.5	swbyw 3.5
19	S 1.5	Calm	Calm	SW 3.5	WSW 1.5	S 1	WSW 1	WSW 1	WSW 1	WSW 3	WSW 2.5	WSW 1
20	NNW 2	NNW 1.5	WNW 3.5	NW 3	NNW 1.5	W 4.5	W 4	W 6.5	WSW 4	WSW 12	WSW 5	SW 8
21	SSW **9**	SSW **9**	SbyW 3.5	S 6.5	S 3.5	S 6	SSE 3	S 1	S 1	SE 3.5	SE 3	SSE 3
22	Calm	SSW .5	SSW .5	Calm	Calm	Calm	E 1	ESE 1	ESE 1	SE 2	SE 1	SW 1
23	Calm	Calm	Calm	Calm	Calm	Calm	Calm	NNW 2	WNW 1	NNW 2.5	WNW 1.5	W 3
24	WSW .5	WSW 2.5	WSW 4.5	W 2.5	WSW 4.5	WNW 3	WNW 5.5	SWbyW 6	wsw **12**	NW 4	NW 8	WNW 2.5
25	WbyS 6.5	wbyN 3.5	WNW 3.5	SW 1.5	WSW 8	SSW 1.5	SW 5.5	WSW 8	WSW 4.5	SW 7	SSW 8	SSE 2
26	SSW 2.5	SW 1	ENE 3	ENE 2	ENE 3.5	SE 1	SSW **2**	SbyW 5.5	S .5	S 4	S **9**	SSE 3
27	SW 5	SW 1	Calm	E .5	E 1	E .5	ESE .5	ESE .5	SW 1.5	SSW .5	ESE .5	Calm
28	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	SSE 3	SSW 1	W 1
29	WSW 1	SW 2.5	SW 3.5	WSW 3.5	SW 2	WSW 2	**WSW** 2.5	Calm	WNW 1	NW 2.5	NW 4.5	WNW .5
30	WNW 5.5	**WNW** 9	WSW 2.5	WNW 6.5	W 5.5	WSW 3.5	WSW 4	W 1	WbyS 7	SW 10	SWbyW **11.5**	swbyw 8.5
31	swbyw 9	SWbyW 9	wsw **10.5**	WSW 3.5	SWbyW 6.5	SW 5	SW 5	WSW 6.5	WNW 1.5	swbyw 6	WSW 2	WSW 9
Mean	3.8	3.7	3.6	3.2	3.2	3.3	3.5	3.6	4	4.5	4.3	4.8

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
1	SW 8.5	SW 5.5	SW 6.5	WSW 8	SW 4.5	SW 9	SW 9	SW 9	SW 5.5	SSW 3.5	SSW 2.5	SSW 1.5	6.1
2	WSW 7	SW **8**	SW 7.5	SW 4.5	SW 1	W 2	W 2.5	Calm	NW 1	Calm	Calm	SW 1	3.7
3	WSW **8.5**	WSW 7.5	WSW 5.5	NW .5	NW .5	WNW .5	Calm	Calm	Calm	Calm	Calm	Calm	1.9
4	WSW 3.5	WSW 4	SW 3.5	SW **8.5**	SW 5.5	WSW 6	SW 5.5	SW 3.5	Calm	Calm	Calm	W 2	3.7
5	SW 4	WSW 4	WSW 4	Calm	SSW 5	Calm	WNW 3	Calm	WSW 3.5	SSW 4	SSE 1	SW 1.5	2.6
6	SW 6	SW 3.5	SW 4.5	WSW 5	WSW 7.5	WSW 4.5	SW 5.5	wnw **10**	SW 9	WSW 3.5	WSW 5.5	WSW 4.5	5.4
7	SW 9	wsw 10	WNW 6	WSW 4	wsw **12**	WSW 9	wsw **12**	wsw 11	**WNW** 1	**WNW** 3.5	WSW 5.5	WSW 6.5	7.7
8	WSW 9	wsw **12**	wsw 10	wsw 11	WSW 9.5	SW 6	WSW 4.5	WSW 8	WSW 6	WSW 6.5	SW 3.5	SSW 2	7.3
9	WSW 7.5	W 8	WSW 4.5	WSW 6	WSW 5	SSW 7	SSW 5	SSW 5.5	SSW 3.5	SW 8.5	WSW 5.5	WSW 3.5	5.9
10	SW 9	SW 5.5	SW 4.5	SW 4	SSW 9	SW 9	SW 3.5	SW 5.5	SW 4.5	SW 6.5	SWbyW 9	SWbyW 6.5	5.5
11	WSW 7	swbyw 18	WSW 6.5	W 5	WSW 3	W .5	WSW 6.5	WSW 2	WSW 1.5	**WNW** 2	WSW 9	WSW 9	6.5
12	WbyS 1	WSW 7	WNW 3	WbyS 4	WSW 2.5	WSW 6.5	wsw 10	WSW 3.5	SW 4.5	SW 4.5	SSW 3	SW 6.5	4.6
13	SW 4	WSW 7	wbyN 5.5	wsw **14**	SW 5.5	SW 6	W 3.5	W 2.5	Calm	Calm	S 1.5	S 2	5.4
14	SW 2	SW 5	SW 7	SW **9**	SW 6	WSW 5.5	WSW 3	WSW 5.5	WSW 2	SW 1	SW 8	SW 5.5	3
15	WSW 6	SW 6	WSW 5.5	SW 7	WSW 5	WSW 2	WSW 7.5	WSW 1.5	SSW 1.5	SW 3.5	SSW 5.5	SSW 2.5	4.5
16	WSW 6.5	SW 3	SSW 2	SW **10**	W 1.5	W 1	Calm	Calm	Calm	NE 1	Calm	Calm	1.9
17	WSW 4	WSW 5	WSW 4	SW 6	WSW **7**	SW 3	WSW 3.5	SW 2	SW 1	Calm	Calm	Calm	2
18	WSW 6.5	WSW 6	WSW 4	WSW 4.5	WSW **8**	WSW 4.5	WSW 3.5	WSW 3.5	SW 2.5	SW .5	Calm	SSW .5	2.4
19	W 2.5	W 2.5	WSW 4	WSW 4	SWbyW **5**	SW 2.5	WSW 1.5	SW 2.5	WNW 1	Calm	WNW 2	WNW 2.5	2
20	W 11	wsw 12	wsw 10	WSW 8.5	wsw 14	wsw **15**	wsw **15**	SW 14	SW 9	SW 9	SW 9	SSW 6	**7.8**
21	S 5	S 5	SSW 4	S .5	S 2.5	SW 7.5	SSE 1	SW 1.5	S 1.5	Calm	S 2.5	SSW 2.5	3.6
22	SW .5	WSW 1.5	WSW 3	W **11**	WSW 4.5	WNW 1	W 1	W .5	Calm	Calm	Calm	Calm	1.3
23	W 1	W 2	WSW 5	SW 5.5	WSW **6**	WSW 5	SW 4.5	WSW 5.5	WSW 1.5	W 3	W 1	W 1.5	2.1
24	wsw 11	WNW 4	WNW 3.5	WSW 6.5	WNW 3	W 2.5	WNW 1.5	WNW 2.5	W 3.5	WSW 6.5	WSW 9	WNW 3.5	4.7
25	SW 8	Calm	SW 6.5	Calm	SW 11	SW **12**	wsw 10	SWbyW 9	wbyN 3.5	SSW 4.5	SSE 2	SSW 2	5.4
26	SSW 3	SSE **2**	SSE **2**	SSW 4	Calm	SSE .5	SE 1	SSE 1	SE 1.5	SE .5	Calm	WSW 1.5	2.2
27	Calm	Calm	SW **5**	SSW 1.5	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	.8
28	W **3.5**	W 1	WSW .5	SW 1	SW .5	SSW .5	Calm	Calm	Calm	Calm	Calm	Calm	.5
29	WSW .5	Calm	WSW .5	W .5	WSW 4	WSW **6**	WNW 1	Calm	Calm	Calm	SW 2.5	W 1.5	1.8
30	WbyS 7	W 7	W 7	WSW 5	SW 7	SW 6.5	SW 5	SW 9	SW 9	SWbyS 9	SW 9	SW 9	6.8
31	SWbyW 4	SW 8	SW 4	SWbyW 4	WSW 7.5	WNW 1	SW .5	SW 5.5	SW 9	SW 3.5	SW 5.5	SSW 1.5	5.8
Mean	5.4	**5.5**	4.8	5.3	5.3	4.6	4.2	4	2.8	**2.7**	3.3	2 8	4

WIND—VELOCITY IN KILOMETERS PER HOUR

Day.	Mdt.-1 a.	1–2 a.	2–3 a.	3–4 a.	4–5 a.	5–6 a.	6–7 a.	7–8 a.	8–9 a.	9–10 a.	10–11 a.	11–Noon.
1	23	9.5	25.5	18	14	15	25	18	22	39	29	32
2	6	8	18	25	27	23	22	25	23	30	28	25
3	8	7.5	2	5	9	16	13	9	9	14	19	20
4	9	13	15.5	23.5	24.5	25	23.5	23	16	18	17	19
5	14	18	14	2.5	1	2.5	6	7	27	14	19	24
6	24	33	23	14	23	12	22	16	20	20	33	14
7	29	28	30	39	29	36	30	31	26	36	43	39
8	31	36	37	30	38	37	35	33	29	33	38	33
9	11	10	29	19	21	10	26	26	38	20	28	36
10	25	18	23	37	18	25	32.5	31	29	22.5	22	14
11	30	35	19	31	33	36	31	32	23	33	38	44
12	35	15	22	26	24.5	13.5	14	17	16	11	16	34
13	21	29	29	28	14	19	32	41	25	43	42	20
14	11	8.5	5.5	1	0	5	8	3	6	5	2	10.5
15	29	21	22	11	13	17	20	25.5	8.5	3	20	26
16	15	13	5	5	2	2	2.5	4.5	6	6	20	19
17	0	17	16	8	1	2	1	3.5	4.5	4	3	6.5
18	0	1	3.5	3.5	1	4.5	4.5	2.5	6.5	8	15	13
19	4	3	3	11	9	7	5	9	12	14	14	11
20	8.5	5	6	13	9	3	15	22	29	44	45	38
21	26	22	23	25	20	17	19	10	14	12	10	10.5
22	5	1	4.5	1	1.5	1	4.5	6.5	6.5	7	6	5
23	0	1.5	.5	0	0	0	0	.5	3.5	10	14	13
24	8	8	13	13	14	20	12	20	29	26	25	17
25	26	28	25	11	23	18	14	27	29	30	15	16.5
26	8	9	4	10	8	9	14	20	13.5	10.5	28	15
27	14.5	11	2	2	4	3	1.5	2.5	8	7	3	3
28	2	1	0	1	0	.5	.5	1	2	6	11	9.5
29	1	6.5	11.5	11	9	7	12	4	3	8	14	12
30	14	22	22	15	25	20	14	14	14	36	42	25
31	37.5	37.5	35	35	29	25	31	28.5	17.5	8	25	28.5
Mean	15.3	15.4	15.8	15.3	14.3	13.9	15.8	16.5	16.6	18.6	22.1	20.4

AMOUNT OF CLOUDS (0–10)

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.	
														h.	*m.*
1	10	4	10	10	10	10	9	10	10	9	10	10	9.3	1	40
2	9	8	10	10	10	7	7	10	9	10	10	10	9.2	3	40
3	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
4	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
5	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
6	9	10	10	10	10	10	10	10	10	10	10	10	9.9	0	00
7	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
8	10	10	10	10	10	10	10	8	10	10	10	10	9.8	1	35
9	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
10	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
11	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
12	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
13	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
14	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
15	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
16	7	7	7	7	8	10	10	10	10	10	10	10	8.8	3	20
17	10	10	9	9	10	8	9	10	10	8	9	10	9.3	2	35
18	7	7	5	5	8	5	6	8	8	6	10	8	6.9	6	05
19	7	8	8	8	8	7	8	8	8	9	6	9	7.8	5	50
20	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
21	10	10	8	10	10	10	6	8	8	9	9	10	9	4	05
22	7	5	8	4	5	9	7	7	7	7	8	7	6.8	8	30
23	9	8	6	7	5	7	10	9	8	7	8	8	7.7	5	05
24	10	10	9	10	9	10	10	10	10	10	10	10	9.8	1	40
25	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
26	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
27	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
28	10	10	10	10	10	10	9	10	10	10	9	10	9.8	0	05
29	9	10	9	8	7	8	9	10	10	10	10	10	9.2	2	25
30	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
31	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	46	35
Mean	9.5	9.3	9.3	9.3	9.4	9.4	9.4	9.6	9.6	9.5	9.6	9.7	9.5	1	30

The sunshine of the 27th in our "Monthly Bulletin" should be 0^{h} 00^{m} instead of 0^{h} 05^{m}.

WIND—VELOCITY IN KILOMETERS PER HOUR

Noon-1 p.	1-2 p.	2-3 p.	3-4 p.	4-5 p.	5-6 p.	6-7 p.	7-8 p.	8-9 p.	9-10 p.	10-11 p.	11-mdt.	Mean.
35	32	33	37	30	33	32	33	20	15	15	8	24.7
30	32	30	32	16	15	12	5	6	3	2.5	2	18.6
34	26	24	6	6	3	2	2	4	.5	1	.5	10
20	20	20	26	24	18	20	18	9	1	4	16	17.6
17	25	22	8	8	10	10	3.5	11.5	17	12	8	12.5
35	22	21	24	24	25	22	37	33	28	25	26	24
35	34	34	25	44	33	47	33	15	4.5	19.5	32	31.3
32	39	43	39	35	26	30	32	30	23	21	19	32.5
32	40	23	29	28	27	20	12	13	22.5	27.5	21	23.7
36	23	24	22	22	24	20	26	27.5	24	33.5	32	25.5
30	40	40.5	22	14	13.5	22	17.5	13.5	16.5	20.5	32	27.8
14	28	15	12	13	14	34	24	15	19	13	18	19.3
19	23	18	25	22	23	22	18	1	5	7	10	22.3
7	21.5	24	27	34	21	17	21	20.5	6.5	16	33	13.1
27	21	29	28	27	19	14	14.5	4.5	16	19	15	18.8
28	16	7	18	20	5	2.5	1	.5	1	1	0	8.3
14.5	19	15	16	19	17	14	11	6	2	0	0	8.3
20	21	24	17	20	20	13	18	13	8	1	2	10
9	16	17	23	22	18	6	8	11.5	2.5	11	9.5	10.6
47	39	42	44	50	50	54	46	37	38	38	24	31.1
24	20.5	20	14	11.5	16.5	18	5	15.5	3.5	4	8.5	15.4
6	9	16	33	20	11	7	5	1	1	0	0	6.6
20	10	14	24	26	31	22	26	12	12	12	6	10.8
31	28	21	20	27	17	16.5	11	14	19.5	34	30	19.8
23.5	8	4	5	7	25	32	28	22	16	13	9	19
7	14.5	14.5	15	5	2.5	4	4.5	7	3.5	2.5	9.5	9.9
3	.5	12.5	17	5	0	1	1	3	2	2.5	1.5	4.6
12.5	13	10	9	5	5	5	1	1	1	.5	.5	4.1
10	6	5.5	5.5	16	19	8	1	0	0	5	11	7.8
43	21	25	16	30	31	26.5	27.5	30	32.5	29.5	35	25.4
30.5	32	29	25.5	28.5	6	5	22	26	15.5	16.5	14	24.5
23.6	22.6	21.8	21.4	21.3	18.7	18	16.5	13.6	11.6	13.1	14	17.4

FREQUENCY OF THE WIND

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW.	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	.....	.....	.....	.....	.....	.....	.....	.....	3	6	14	1	.....	.....	.....	.....	.....	593	1.9	12
2	.....	.....	.....	.....	.....	.....	.....	1	.....	1	11	5	2	.....	1	.....	3	445.5	1.8	185.1
3	.....	.....	1	.....	.....	.....	.....	.....	.....	2	2	7	.....	2	2	.....	8	240.5	2.1	74.8
4	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	10	7	1	.....	.....	.....	3	423	1.9	37.6
5	.....	.....	.....	1	.....	.....	.....	1	.....	2	6	4	1	3	.....	.....	6	301	.5	158.5
6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12	10	.....	2	.....	.....	.....	576	.4	54
7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	15	.....	3	.....	.....	.....	752	.6	148.4
8	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	3	20	.....	.....	.....	.....	.....	779	1.2	106.9
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	4	12	1	2	1	.....	.....	569	.1	107.7
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	13	5	2	1	.....	.....	.....	611	.4	112.8
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	18	2	1	.....	.....	.....	667	0	210.4
12	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	5	9	7	1	.....	.....	.....	463	0	130.3
13	.....	.....	.....	.....	.....	.....	.....	.....	2	3	6	8	2	1	.....	.....	2	536	0	68.6
14	.....	.....	.....	.....	.....	.....	.....	2	2	3	8	5	1	.....	.....	.....	3	314	.3	32.6
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	12	7	.....	.....	.....	.....	.....	450	1	30.7
16	.....	.....	1	.....	.....	.....	.....	3	.....	5	3	2	2	.....	.....	.....	8	200	1	13.4
17	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	5	8	.....	.....	.....	.....	8	200	1.2	2.6
18	.....	.....	.....	.....	.....	.....	.....	1	.....	1	8	10	1	.....	.....	.....	3	240	2.8	1.3
19	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	3	11	2	3	.....	.....	3	255.5	2.9	3
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	5	9	4	1	1	3	.....	746.5	.6	48.9
21	.....	.....	.....	.....	.....	.....	2	3	11	5	2	.....	.....	.....	.....	.....	1	369.5	2.7	19.9
22	.....	.....	.....	.....	1	2	2	.....	.....	2	2	3	3	1	.....	.....	8	158.5	3.6	.....
23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	5	6	2	.....	2	7	258	3.2	1
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10	3	9	2	.....	.....	474	2	52.7
25	.....	.....	.....	.....	.....	.....	.....	2	.....	4	7	5	1	3	.....	.....	2	455	0	227.9
26	.....	.....	.....	3	.....	.....	4	5	3	5	1	1	.....	.....	.....	.....	2	238.5	.1	53.9
27	.....	.....	.....	.....	3	3	.....	.....	.....	2	4	.....	.....	.....	.....	.....	12	110.5	.1	11.3
28	.....	.....	.....	.....	.....	.....	.....	1	.....	2	2	1	3	.....	.....	.....	15	98	.8	2
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	8	2	3	2	.....	5	186	2.5	.9
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9	6	6	3	.....	.....	.....	610	.6	40.7
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	9	12	.....	2	.....	.....	.....	588	.1	33.1
Total	.....	.....	2	4	4	5	8	19	23	66	181	224	52	43	9	5	99	12,908	36.4	1,983
Mean	.....	.....	0.1	0.1	0.1	0.2	0.3	0.6	0.7	2.1	5.8	7.2	1.7	1.4	0.3	0.2	3.2	416.4	1.2	64

The total movement in Kms. of the 22nd and 29th in our "Monthly Bulletin" should be 158.5 and 186.0 instead of 156.5 and 176.0.

The monthly total in our "Monthly Bulletin" should be 12,908.0 Kms. instead of 12,896.0 Kms., and the monthly mean should be 416.4 Kms. instead of 416.0 Kms.

EXTREME VALUES

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°*C.*		*Per cent.*	*mm.*	*mm.*		°*C.*		*Per cent.*	*mm.*
1	755.40	11.05p.	29.8	11.10a.	93.5	24.4	753.30	3.05p.	25	1.55a.	77	21.7
2	56.70	9.50p.	31.1	0.10p.	99	**26**	54	3.15p.	24.1	9.55p.	75	22.2
3	56.45	9.50a.	28	3.05p.	98	24.3	54.55	2.50p.	24	2.15a.	83	21.8
4	56.25	11.10p.	28.5	0.50p.	97	23.1	54.20	3.45p.	24.4	11.55p.	80	21.4
5	57.05	9.55a.	26.2	2.15p.	99	23.9	54.40	6.20p.	23.6	11.10p.	**92**	21.4
6	55.60	0.15a.	27.6	9.35a.	**100**	23.5	53.35	5.10p.	23	0.50p.	84	20.8
7	53.60	0.05a.	28.5	0.35p.	99	23.9	51.20	3.30p.	23.5	4.50p.	84	20.6
8	**53.40**	9.25p.	30.2	11.50a.	95	24.6	51.63	2.00p.	25.2	5.10a.	77	**22.3**
9	54.75	10.30p.	27	11.00a.	98	24.5	51.90	2.00a.	23.9	2.40a.	89	22
10	55.10	9.30a.	28.3	3.15p.	99	23.8	52.60	3.40p.	24	7.05a.	85	21.6
11	54.50	11.05p.	27	9.25a.	97	23.9	52.46	4.00p.	23.6	10.50p.	86	21.1
12	55.45	10.15p.	**25.5**	6.10p.	97	22.1	51.95	3.45a.	23.4	11.40p.	90	20.7
13	56.30	10.55p.	26.5	0.40p.	97	23.2	53.40	4.10a.	23.5	0.05a.	86	21
14	57.80	10.40p.	29	0.50p.	97	23.8	55.30	3.45a.	23.6	1.30a.	82	21.3
15	58.25	10.35p.	27.8	1.50p.	96	23.2	55.72	3.00p.	23.8	11.55p.	83	20.6
16	59.60	11.10p.	30.9	11.45a.	97	23.4	57.10	2.35p.	23.3	3.55p.	70	20.5
17	**59.75**	10.15p.	30.5	0.30p.	97	25.5	**57.85**	3.40p.	24	1.10a.	80	21.6
18	59.20	0.05a.	31.1	2.10p.	98	24.7	56.44	4.00p.	24.6	5.10a.	75	19.9
19	58.85	10.20a.	30.3	3.00p.	95	23.7	56.89	4.00p.	24.3	2.30a.	73	21.3
20	56.10	0.05a.	27	10.10a.	**92**	22.9	**50.80**	4.20p.	24.5	5.55a.	77	20.4
21	59.45	10.40p.	30.7	2.15p.	95	22.7	53.75	1.20a.	24	8.25a.	66	20.7
22	59.70	10.15p.	**31.8**	0.45p.	97	22.3	57.20	2.55p.	23.7	5.30a.	**64**	**19.6**
23	59.20	0.05a.	30.5	11.35a.	97	23.2	56.25	4.30p.	23.9	5.45a.	72	21.4
24	57.60	0.05a.	29.8	11.05a.	93	23.6	54.85	2.25p.	**25.7**	11.55p.	77.5	22.1
25	56.75	9.50p.	27.3	7.55a.	97	23.9	54.10	3.45p.	**22.5**	11.45p.	90	20.3
26	59.60	11.35p.	25.7	2.35p.	98	21.9	54.70	3.20a.	22.8	0.05a.	90	20.4
27	59.65	9.30a.	26.7	1.20p.	98	**21.7**	57.80	2.50p.	22.9	5.10a.	82	20.1
28	58.75	10.10p.	27.5	0.50p.	98	22.5	56.80	3.25p.	23	5.10a.	83	20.6
29	57.80	0.05a.	29.7	11.05a.	96	23.1	54.40	3.45p.	23.5	0.30a.	74	21.1
30	56.15	0.15a.	27.3	8.05a.	97	22.4	54.45	4.35p.	34.3	2.40p.	83	20.9
31	56.65	10.10a.	26.1	4.05p.	96	22.9	54.10	4.15p.	23.8	0.35p.	89	21
Mean	757.14	....	28.5	....	96.9	23.5	754.43	....	23.9	....	80.6	21

DAILY GENERAL REMARKS

1....Gusty SWly winds at intervals with some light rain.
2....● in the morning; T WSW in the evening; ●^{2} at night.
3....●^{2} in the morning; ●°, somewhat gusty WSW winds in the afternoon.
4....● in the morning and at night; somewhat gusty SWly winds in the afternoon.
5....Very rainy weather with somewhat gusty SWly winds in the morning.
6....Somewhat squally weather with ●, especially in the afternoon.
7....Rainy and squally weather
8....Squally weather; ● in the early morning and at night.
9....Squally and rainy weather.
10....As yesterday.
11.... Do.
12.... Do.
13....Squally and still somewhat rainy weather.
14....● or d at intervals with somewhat gusty SW winds in the afternoon and at night.
15....Gusty SWly winds at intervals with some ● especially in the early morning and at night.
16....● in the early morning and afternoon; T N, gusty SW winds in the afternoon.
17....p° 9.30 a. m.; p, somewhat gusty SWly winds in the afternoon.
18....d^2 in the early morning; somewhat gusty WSW winds in the afternoon.
19....●° in the early morning and afternoon.
20....Squally and somewhat rainy weather.
21....● in the morning and at night; gusty Sly winds in the early morning and afternoon.
22....●° in the early morning; gusty Wly winds in the afternoon.
23....≡ in the morning; d in the morning and afternoon.
24....Gusty Wly winds at intervals with some ●, ⌒, T SE in the morning.
25....Very rainy and somewhat squally weather; T S 12.20 p. m.; ⇲ NW quadrant 4.45 p. m.
26....Somewhat rainy weather especially in the early morning; gusty S winds in the forenoon.
27....Some ● or d especially in the early morning; gusty SW winds in the afternoon.
28....d in the early morning and afternoon.
29....d in the morning and afternoon; ⊕°, ⇲ NE quadrant in the afternoon.
30....Gusty Wly winds at intervals; ● in the morning and afternoon.
31....Somewhat rainy and squally weather.

OBSERVATIONS FOR SEPTEMBER, 1919

ATMOSPHERIC PRESSURE, 700mm+

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	55.35	54.95	54.75	**54.50**	54.85	55.28	55.48	55.91	56.36	56.30	56.04	55.56
2	57.35	57.15	**56.85**	56.90	57.10	57.08	57.45	57.85	57.99	58.32	58.23	57.98
3	59.15	59.05	59	58.80	58.75	58.85	59.19	59.76	60.07	60.21	60.04	59.92
4	60.35	59.85	59.50	59.60	59.70	59.72	60.06	60.30	60.49	60.67	60.37	59.89
5	59.90	59.70	59.70	59.60	59.55	59.76	60.14	60.34	**60.52**	60.20	59.94	59.39
6	59.10	58.80	58.80	58.60	58.50	58.76	59.43	**59.71**	59.54	59.53	59.27	58.32
7	57.65	56.95	56.80	56.70	56.70	57.13	57.78	58.11	58.14	58.24	58.02	57.47
8	57.30	57	56.95	56.65	56.65	57.05	57.37	57.90	58.09	58.16	57.73	57.39
9	57.75	57.35	57.15	57.45	57.45	57.87	58.36	58.83	58.89	58.83	58.42	57.63
10	58.30	57.80	57.40	57.50	57.40	57.74	**58.40**	58.32	58.39	58.29	57.99	57.35
11	**56.80**	56.50	56.20	56.10	56.10	56.16	56.61	56.64	**56.80**	56.79	56.54	56.27
12	55.30	55.35	55.25	55.40	55.35	55.41	55.49	55.42	55.21	**55.55**	55.36	54.92
13	54.30	54.25	54	54.25	54.40	54.63	55.20	55.66	55.74	55.73	55.29	54.84
14	56.15	56.05	55.75	55.75	55.90	56.14	56.79	57.16	57.34	57.14	56.80	56.64
15	57.15	56.70	56.50	56.50	56.70	56.75	57.24	58.10	58.20	57.77	57.35	56.87
16	57.85	57.75	57.60	57.50	57.80	58.09	58.44	58.78	59.05	59.03	58.81	58.26
17	59.15	59.25	59.20	59.15	59.10	59.22	59.61	60.04	60.13	60.32	60.04	59.58
18	60.25	60.20	60.25	60.25	60.60	60.88	61.40	62.02	**62.14**	62.07	61.82	60.75
19	60.35	60.30	60.10	60	60	60.02	60.40	60.54	**60.72**	60.62	60.33	59.87
20	59.50	59.10	58.95	59.05	59.15	59.54	59.77	60.22	60.25	60.20	59.76	58.95
21	60.05	59.60	59.30	59.10	59.35	59.53	59.95	60.39	60.34	60.24	59.78	59.02
22	60	59.60	59.45	59.50	59.80	59.90	60	60.42	**60.57**	60.54	60.13	59.49
23	59.45	59.15	58.90	58.85	59	59.14	59.51	60.03	60.09	**60.28**	59.98	59.38
24	59.90	59.40	59.10	59.05	59	59.35	59.86	60.29	**60.38**	60.29	59.91	59.62
25	59.65	59.45	59.45	59.30	59.40	59.89	60.09	60.39	**60.65**	60.55	60.34	59.84
26	60.20	60.10	59.70	59.80	60	60.12	60.34	60.73	**61.10**	60.84	60.53	60.09
27	60.05	59.75	59.50	59.25	59.35	59.79	60.24	60.40	**60.57**	60.49	60.18	59.59
28	59.75	59.45	59.20	59.10	59.25	59.37	59.83	60.29	**60.31**	60.19	59.92	59.38
29	59.55	59.30	59.25	59.25	59.45	59.65	59.90	**60.12**	60.05	60.03	59.57	59.02
30	59.60	59.20	59.15	59.25	59.60	59.78	60.10	60.24	**60.38**	60.13	59.88	58.99
Mean	58.57	58.30	58.12	58.09	58.20	58.42	58.81	59.16	**59.28**	59.25	58.95	58.41

TEMPERATURE (°C.)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	24.9	24.6	24.7	24.5	**24.3**	25.2	25	24.6	25	25.5	26.3	27.5
2	24.1	24	23.6	**23.4**	**23.4**	24	25.3	26.4	26.9	28.6	29.5	29.5
3	24.4	24	23.8	23.6	**23.4**	**23.4**	25.6	26.8	27.6	28.9	29.1	29.9
4	24.6	24.3	24.3	24	23.8	23.9	25.5	27.3	29	28.5	29.7	30.2
5	24.3	24.6	24.1	23.8	23.5	23.8	26	27.8	28.7	28.8	29.5	30.3
6	23.9	23.9	**23.7**	23.8	24.2	24.3	25.1	26	29.2	30.8	30.2	30.5
7	**24.1**	**24.1**	24.2	24.5	24.7	24.5	25.5	27	29.3	28.2	29.6	28.8
8	24.4	23.9	23.7	23.4	23.1	**23**	24.6	26.4	27.6	28.4	28.4	28.6
9	25.3	24.9	24.5	24.1	**23.8**	**23.8**	26.2	28.3	27.1	29.3	29.4	**29.6**
10	23.8	23.7	23.5	23.5	**23.3**	23.4	24.3	26.2	28.3	28.8	29.1	28.4
11	24.7	24.5	24.3	24.4	24.4	**24.1**	24.7	26.3	27.7	28.3	27.8	**28.4**
12	24.8	24.6	23.8	23.8	**23.6**	23.7	24.3	25.8	26.6	27.1	28	28.7
13	26	24.3	**24.2**	24.4	24.4	24.4	24.6	26.5	25.2	27.4	28.6	28.7
14	25.1	24.9	24.7	24.6	24.7	**24.3**	26.5	26.8	28.3	29.5	29.6	29.2
15	24.3	**24.2**	**24.2**	24.7	24.8	24.5	26.5	28.3	30.3	30	30.3	30.5
16	24.4	24.6	24.5	**24.3**	**24.3**	**24.3**	24.8	25.8	27.3	27.4	25.5	27
17	24.4	24.6	24.2	**23.9**	24	24	25.5	27.5	28.8	29.3	28.5	29.2
18	24.8	24.4	24.3	23.9	24	24	24.2	**23.8**	24.9	25.4	27.9	28.7
19	24.5	24.2	23.9	23.7	**23.4**	**23.4**	26.1	28.3	27.9	29.5	29.9	29.3
20	23.6	23.6	23.3	**22.9**	**22.9**	23	25.6	27.5	27.6	27.5	28.8	**30.4**
21	25.6	25.3	25.1	25	**24.8**	25	26.8	28	29.5	30.7	31.1	31.5
22	25.8	25.1	24.8	24.7	24.4	**24.3**	26.5	28.3	29.2	30	29	**30.5**
23	24.5	24.2	23.8	23.8	23.8	**23.6**	26.3	28.8	30	30.1	29.1	30.1
24	23.4	22.7	22.1	21.6	21.3	**21**	23.6	27.1	28.3	28.5	28.7	29.5
25	23	22.5	22.3	22.1	**21.7**	22.6	24.7	27.6	28.3	29.5	30.1	29.9
26	24	23.6	23.2	22.9	**22.8**	22.9	25.2	28	27.5	29.2	30.2	29.9
27	24.5	24.2	24	23.8	23.4	23.3	24.7	27.5	29.5	29	29.1	30
28	22.1	21.9	21.7	21.5	**21.4**	21.6	24.2	26.5	28.6	29.9	30.2	30
29	23.8	23.4	23.4	23.3	23.1	**22.7**	24.7	27.5	29.7	29	30.2	30
30	24.6	24.2	24	23.9	23.3	**22.9**	24.7	28	29.7	30.5	29.7	30.2
Mean	24.4	24.1	23.9	23.7	**23.6**	**23.6**	25.2	27	28.1	28.8	29.1	29.5

ATMOSPHERIC PRESSURE, 700^{mm}+

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
55.03	55.08	54.91	54.92	55.36	55.94	56.15	56.30	57.20	57.15	57.55	**57.70**	55.78
57.35	57.13	57.47	57.27	58.18	58.46	58.74	59	59.95	59.95	**60.15**	59.45	58.06
59.44	59.15	**58.74**	58.97	59.17	59.60	59.98	60.45	61	**61.15**	60.95	60.80	59.67
59.20	58.58	**58.11**	58.27	58.29	58.71	59.80	60.20	61.10	**61.40**	61.15	60.65	59.83
58.57	57.87	57.39	**57.21**	57.38	57.82	59.82	59.80	59.95	60	59.95	59.75	59.34
57.68	56.98	56.54	**56.51**	56.75	57.17	57.57	57.90	58.60	58.85	58.60	58.30	58.33
56.82	56.38	56.02	55.99	**55.97**	56.59	56.80	57.65	58.05	**58.40**	58.25	57.75	57.26
56.78	56.33	56.09	**55.83**	56.34	56.79	57.05	57.75	58	**58.30**	58.15	58	57.24
57.60	57.65	57.20	**56.52**	56.72	57.65	57.65	58	58.75	**59**	58.85	58.50	57.92
56.34	55.53	**55.44**	55.53	55.57	56.08	56.24	56.70	56.95	57.25	57.20	57.05	57.12
55.89	55.58	55.35	54.56	**54.15**	54.50	54.95	55.20	55.45	55.80	55.70	55.75	55.85
54.38	54.05	**53.70**	**53.70**	53.86	54.06	54.35	54.50	54.80	55.20	55	54.75	**54.85**
54.28	54.10	**53.89**	54	54.23	54.61	55.10	55.80	56.30	**56.55**	56.50	56.35	55
55.95	55.30	**55.18**	55.42	55.54	55.97	56.55	56.95	57.50	**57.70**	57.65	57.45	56.45
56.42	**55.97**	56.18	56.05	56.28	56.81	57.53	57.95	58.35	**58.45**	58.25	58.10	57.17
57.59	**57.05**	57.08	57.13	57.70	58.14	58.44	58.95	59.30	**59.45**	59.35	59.30	58.27
58.97	58.48	58.12	**58.08**	58.32	59.22	59.88	60.25	**60.55**	60.45	60.45	60.40	59.50
60.01	59.65	59.12	**58.98**	59.22	59.84	60.33	60.70	60.90	61.05	61.15	60.95	**60.61**
59.22	58.88	58.69	58.48	**58.39**	58.78	59.27	59.95	60.45	60.55	60.30	60.15	59.85
58.38	57.75	**57.67**	57.74	57.98	58.29	58.93	59.55	60	60.30	**60.45**	60.30	59.24
58.35	57.81	**57.43**	57.45	57.85	58.65	59.25	59.70	60.10	60.30	**60.40**	60.30	59.34
58.84	58.22	57.81	**57.78**	58.11	58.34	58.73	59.35	60	60.05	60	59.80	59.43
58.77	58.17	**57.92**	58.01	58.02	58.32	58.79	59.30	59.90	60.15	60.15	60.10	59.22
59.06	58.53	58.34	**58.13**	58.43	58.82	59.34	59.85	60.10	60.20	60.30	60	59.47
59.31	58.83	**58.48**	58.60	58.73	58.91	59.43	59.95	60.25	60.55	60.50	60.30	59.70
59.16	58.84	58.12	**58.05**	58.14	58.53	59.02	59.40	59.90	60.20	60.40	60.30	59.73
58.97	58.71	58.27	**58.18**	**58.18**	58.54	59.02	59.40	60.10	60.30	60.30	60	59.55
58.61	58.43	58	**57.88**	58.08	58.29	58.60	59.35	59.60	59.70	59.85	59.65	59.25
58.27	57.76	**57.27**	57.41	57.66	58.08	58.56	58.90	59.30	59.80	59.85	59.70	59.07
58.19	57.52	57.17	**57.04**	57.21	57.62	58.10	58.50	59	59.20	59.25	59.30	58.93
57.78	57.34	57.06	**56.99**	57.19	57.64	58.13	58.58	59.05	59.25	59.22	59.03	58.37

TEMPERATURE (°C.)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
24.7	26.9	27	**27.8**	27.1	26.4	26	25.8	25.2	25.3	25.3	24.6	25.6
29.6	**30**	28	28.2	27.2	26.5	26.1	25.6	25.5	25.1	24.8	24.6	26.2
29.9	29.6	**30.1**	29.3	28.4	27.4	27.1	26.7	26.3	25.6	25.1	24.7	26.7
30.5	30.5	**31.6**	30.7	29.1	28.2	**22.9**	23.6	24	24	24.2	24.5	26.6
30.5	30.8	30	**31.1**	30.9	28.5	23.8	**23.2**	23.4	23.7	23.6	23.8	26.6
30.8	30.8	**30.9**	30	30.2	28.4	28	26	24.7	24.3	24.5	24.3	27
27.7	**29.7**	29.2	27.5	26.7	26.2	25.6	25.6	25.7	25.4	24.9	24.8	26.4
29.9	**29.9**	28.9	29.2	28.8	27.6	26.7	26.5	26.3	26.5	26.3	25.7	26.6
28.5	25	25.2	24.7	25	24.7	24.3	24.1	24.3	24.3	24.4	24.1	25.6
28.2	**30.1**	29.9	29	28.9	27.5	26.7	26.5	25.9	25.5	25.1	25	26.4
28.4	28	26.3	27.2	27	26.2	25.5	25.3	25	24.9	24.9	24.9	26
29	28.7	28.3	27.9	27.9	27.5	26.9	26.8	26.4	26.9	27	26.6	26.4
29.5	29	28.6	28	27.6	27.3	27.1	26.6	26.3	26.1	26.2	25.7	26.5
29	28.7	**29.9**	29.6	28.3	28	27.1	26.6	26.2	25.3	24.9	24.6	26.9
30.8	30.5	29.4	28.9	28.4	28	25.1	25.4	25.2	24.9	24.7	24.6	27
26.5	27.4	28	**28.1**	27	26.5	25.9	25.5	25.6	25	24.6	24.4	25.8
30.3	**30.5**	29.6	29.3	28.7	27.2	26.8	26.4	26.1	25.7	25.3	25.1	26.9
30.9	27.8	29.3	29.2	28.5	27.3	26.5	26.3	26.2	25.8	25	24.8	26.2
29.2	**30.4**	28.4	29.6	29.7	27.3	26.3	25.6	25.4	24.9	24.8	24.1	26.7
28.5	30	29.8	28.8	28.2	27.3	26.6	26.4	26	25.9	25.7	25.7	26.5
31.9	30.2	30.1	30.1	29.2	28	27.3	27.1	26.8	26.5	26.3	25.7	**27.8**
29.7	30.4	30.1	30.1	29.2	26.9	26	25.8	25.5	25.3	25.3	24.7	27.2
30.8	**30.9**	30.5	29.7	29.4	27.8	26.7	25.8	25.2	24.6	24.6	23.7	27
30.6	31	30.2	**31.3**	30	28.3	27	25.9	24.7	24.1	23.5	23.3	26.2
29.1	29.8	**31**	30.6	29.2	27.6	26.8	25.9	25.2	24.7	24.4	24.2	26.4
30.5	**31.6**	31	31	28.5	27.4	26.8	26.2	25.9	25.4	25	24.7	26.8
30.2	27.2	29.3	**30.2**	29.3	27	25.6	25.3	24.6	23.6	22.8	**22.6**	26.3
30.4	25.6	26.9	27.2	27	26.1	25.3	25.2	25.3	25.1	24.6	24.1	**25.5**
30.7	30.9	31	**31.8**	28.6	27.3	26.7	26.5	25.7	25.7	25	24.8	26.9
30.9	31.1	31.3	**31.5**	30.8	28.9	27.5	26.5	25.9	25	24.1	24.1	27.2
29.6	29.4	29.3	29.3	28.5	27.3	26.2	25.8	25.5	25.2	24.9	24.6	26.5

RELATIVE HUMIDITY (%)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	95	94	92	94	93	92	95	**97**	92	91	88	83
2	95	95	96	96	**97**	89	86	82	80	75	76.5	78
3	96	97	**98**	**98**	**98**	**98**	89	86	83	76	74	68
4	96	**97**	**97**	**97**	**97**	**97**	91	82	76	80	76	71
5	**97**	96	**97**	96	**97**	**97**	86	80	75	74	72	68
6	**97**	**97**	**97**	**97**	94	94	89	85	74	68	72	72
7	**96**	**96**	**96**	95	93	**96**	91	82	**72**	78	74	76
8	91	94	95	95	95	**96**	89	81	76	76	77	75
9	92	92	93	93	94	94	82	77	84	76	75	**74**
10	**97**	96	96	95	95	96	93	89	77	78	77	79
11	**96**	94	**96**	95	95	**96**	94	90	81	80	81	**77**
12	96	**97**	93	95	96	96	**97**	89	86	86	83	80
13	92	96	**97**	96	**97**	**97**	95	87	87	**76**	79	78
14	95	95	95	96	94	96	86	84	76	**70**	71	75
15	**97**	96	96	94	95	96	85	81	71	69	**68**	69
16	**96**	94	95	**96**	**96**	**96**	94	89	81	84	93	85
17	93	89	91	92	93	**95**	83	73	69	67	68	66
18	88	90	91	91	91	91	90	**93**	90	89	78	76
19	88	91	92	94	**96**	**96**	82	69	72	68	67	67
20	96	97	97	**98**	97	97	85	74	76	76	76	68
21	90	92	92	92	**94**	93	80	70	62	57	58	**56**
22	83	88	88	89	**91**	**91**	81	70	66	68	71	**64**
23	87	90	91	91	94	**95**	82	71	65	69	68	65
24	87	91	91	**95**	**95**	**95**	81	69	60	**59**	66	60
25	91	92	94	94	**95**	89	78	69	65	**61**	67	68
26	95	95	95	**96**	94	92	83	74	76	**68**	**68**	69
27	93	93	92	94	95	**97**	89	76	67	69	71	65
28	**95**	93	93	94	93	93	81	76	69	66	65	65
29	96	**97**	96	96	95	96	86	77	69	71	65.5	65
30	93	95	95	94	**96**	**96**	87	74	70	65	65	63
Mean	93.3	94	94.2	94.6	**94.8**	94.7	87	79.9	74.9	73	73	**70.8**

VAPOR PRESSURE (mm)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	22.2	21.6	21.4	21.5	**21**	21.8	22.4	22.2	21.7	22	22.3	22.6
2	21.1	21	20.7	20.4	20.6	**19.7**	20.6	21.1	21.2	21.9	23.4	**23.8**
3	21.1	21.6	21.5	21.3	21	21	21.8	22.6	22.8	22.4	22.2	21.3
4	22	21.8	21.8	21.6	21.3	21.3	22	22.1	22.5	23	23.5	22.8
5	21.8	22	21.5	20.9	20.7	21.2	21.5	22.2	21.8	21.8	22.2	21.9
6	21.5	21.3	**21**	21.2	21.1	21.2	21.1	21.3	22.3	22.4	23	**23.2**
7	21.4	21.4	21.5	21.7	21.5	21.9	22	21.7	21.9	22.1	22.8	22.4
8	20.8	20.7	20.6	20.3	**19.9**	**19.9**	20.4	20.7	20.8	21.9	22.3	21.7
9	21.9	21.6	21.3	20.8	**20.6**	**20.6**	20.8	21.9	22.4	**22.9**	**22.9**	22.8
10	21.2	20.8	20.6	20.4	**20.1**	20.4	21	22.4	22.1	22.8	23.1	22.7
11	22.2	21.5	21.6	21.6	21.6	**21.4**	21.8	22.8	22.3	**22.9**	22.4	22.3
12	22.3	22.2	**20.4**	20.8	20.7	20.8	21.8	22	22.3	22.8	23.3	23.3
13	22.9	21.6	21.7	21.7	21.9	21.9	21.8	22.4	20.7	**20.6**	23	22.7
14	22.5	22.2	21.9	22	21.8	21.6	22.2	22	21.7	**21.3**	21.9	22.6
15	21.8	**21.5**	**21.5**	21.8	22.1	21.9	21.8	**23.2**	22.7	21.8	21.9	22.4
16	21.7	21.6	21.7	21.6	21.6	21.6	21.9	22	21.9	22.9	22.6	22.5
17	**21.2**	20.4	20.3	20.3	20.7	21	20.1	20	20.4	20.3	**19.8**	19.9
18	20.5	20.4	20.5	20.1	20.1	20.3	20.2	20.4	21	21.5	21.8	22.2
19	20.1	20.3	20.3	20.5	20.4	20.4	20.5	**19.7**	20.2	20.8	20.9	20.3
20	20.7	20.9	20.5	20.4	**20.2**	**20.2**	20.8	**20.2**	20.9	20.6	**22.4**	21.8
21	22	21.9	21.9	21.6	21.9	22	21	19.7	19	**18.6**	19.5	19.1
22	20.5	20.9	20.5	20.6	20.6	20.6	20.8	19.9	19.9	21.4	21.1	20.7
23	20	20.2	20	20	20.6	20.5	20.8	20.8	20.6	**21.8**	20.4	20.6
24	18.6	18.7	18	18.1	18	17.6	17.6	18.4	**17**	17.1	19.3	18.4
25	19	18.6	18.8	18.5	18.2	**18**	**18**	19	18.5	18.8	21.2	21.3
26	21	20.5	20	19.8	19.3	**19.1**	19.7	20.9	20.6	20.3	21.6	21.5
27	21.3	20.9	20.4	20.6	20.3	20.5	20.6	20.6	20.5	20.7	21.2	20.5
28	18.7	18.1	17.9	17.8	**17.6**	17.8	18.1	19.5	20.1	20.7	20.7	20.5
29	20.9	20.8	20.4	20.3	19.9	**19.6**	19.8	21	21.2	21.1	20.9	20.6
30	21.4	21.3	21	20.7	20.3	19.8	20	20.7	**21.6**	21.1	20.2	20.1
Mean	21.1	20.9	20.7	20.6	**20.5**	**20.5**	20.8	21.1	21.1	21.3	21.8	21.6

RELATIVE HUMIDITY (%)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
96	86	86.5	**82**	85	89	91	88	88	90	89	93	**90.4**
76	**73**	80	77	84	89	88	93	89	92	95	96	86.6
67	70	69	76	79	84	83	86	90	93	96	97	85.5
70	70	**68**	72	78	83	**97**	95	**97**	**97**	**97**	96	86.5
65	**64**	67	**64**	69	81	95	**97**	**97**	**97**	**97**	**97**	84.4
68	**67**	**67**	70	71	78	80	89	94	**97**	95	**97**	83.7
84	**72**	74	81	83	88	91	91	91	89	89	90	86.2
71	**69**	72	70	75	81	86	86	89	84	86	90	83.3
79	92	91	92	92	93	95	**97**	96	96	95	96	89.2
79.5	**70**	**70**	76	78	82	87	85	89	89	94	95	85.9
78	81	88	84	85	90	93	94	95	**96**	95	**96**	89.6
79	80	80	82	84	84	86	86	90	88	87	90	87.9
76.5	**76**	80	82	84	81	83	86	87	90	89.5	92	86.8
76	79	73	75	80	78	83	86	89	95	96	**97**	85
70	**68**	76	76	77	79	95	94	93	95	95	96	84.6
90	83	**80**	81	86.5	87	88.5	90	89	91	92	93	89.6
63	64	66.5	66	69	77	79	81	83	84	87	88	78.6
64	79	74	74	74	75.5	82.5	80	79	82	83	86	83
68	**64.5**	77	71	71	78	82	86	85	89	88	92	80.6
75	**65**	72	76	78	83	84	85	89	88	90	89	83.8
56.5	66	67	69	73	81	80	82	85	86	84	81	76.9
67	67	68	70	66	77	80	79	84	82	84	87	77.5
63	64	65	67	69	78	81	84.5	83	87	79	86	78.1
59	**59**	64	63	65	70	80	78	83	86	90	89	**76.5**
69.5	67	65	69	78	85	87	88.5	88	92	94	94	80.8
70	**68**	69	71	74	78	82	85	85	88	90	92	81.5
64	84	72	66	72	80.5	88	83	82	85	91	90	81.6
64.5	93	88	87	88	94	**95**	92.5	92	91	94	**95**	85.7
63	64	62	**60.5**	73	80	84	83	88	88	91	92	80.8
64	62	61	**60**	63.5	69	76	83	82	85	86	86	77.9
71.2	72.2	73.1	73.6	76.8	81.8	86.1	87.1	88.4	89.7	90.6	91.9	83.6

VAPOR PRESSURE (mm)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
22.2	22.8	**22.9**	22.8	22.7	22.7	22.7	21.9	21.1	21.5	21.4	21.4	22
23.3	22.9	22.5	22	22.6	22.8	22.1	22.5	21.7	21.9	22.1	22	21.8
20.9	21.5	21.8	**22.9**	22.7	22.6	22.3	22.5	22.8	22.5	22.7	22.3	22
22.8	22.8	23.4	23.5	23.2	**23.6**	**20**	20.5	21.4	21.4	21.8	21.9	22.2
21	21.2	21.3	21.6	22.8	**23.4**	20.8	**20.6**	20.8	21.2	21.1	21.3	21.5
22.4	22.2	22.4	22.1	22.5	22.4	22.5	22.3	21.8	21.8	21.7	21.8	21.9
23.3	22.3	22.3	22	21.7	22.2	22.1	22.1	22.3	21.5	**20.9**	**20.9**	21.9
22.2	21.5	21.3	21.1	22	22.3	22.3	22.2	**22.5**	21.6	21.9	22.1	21.4
22.8	21.6	21.6	21.2	21.6	21.5	21.4	21.5	21.6	21.6	21.6	21.4	21.7
22.5	22.2	21.9	22.7	**23.2**	22.4	22.7	21.8	22.2	21.7	22.3	22.4	21.9
22.4	22.7	22.3	22.6	22.5	22.8	22.6	22.6	22.4	22.4	22.2	22.4	22.3
23.6	23.3	22.7	23	23.4	23	22.5	22.6	23.1	23.2	23.1	23.1	**22.5**
23.4	22.7	23.1	22.9	22.9	21.7	22	22.3	22.1	22.6	22.6	22.5	22.2
22.5	**23.1**	23	22.9	22.7	21.9	22.3	22.3	22.4	22.7	22.4	22.2	22.3
23	22.2	23	22.4	22.3	22.3	22.5	22.7	22.2	22.2	21.9	22	22.2
23.2	22.5	22.5	22.9	22.9	22.4	22	21.8	21.8	21.3	**21.1**	21.2	22
20.3	20.7	20.5	20.1	20.2	20.6	20.6	20.7	20.9	20.5	20.8	20.7	20.5
21.1	22	**22.3**	**22.3**	21.4	20.3	21.2	20.4	20.1	20.3	**19.7**	19.9	20.8
20.3	20.8	**22.3**	21.9	21.9	21.1	20.8	21	20.6	20.9	20.5	20.6	20.7
21.8	20.6	**22.4**	**22.4**	22.1	22.3	21.8	21.7	22.3	21.8	22.1	21.9	21.4
19.8	21.1	21.2	22	21.9	**22.7**	21.5	21.8	22.2	22	21.3	20	21.1
20.8	21.6	21.6	**22.2**	19.8	20.2	20	**19.5**	20.3	19.6	20.2	20	20.6
20.8	21.1	21.1	20.6	21	21.6	21.1	20.8	19.9	19.9	**18.2**	18.8	20.5
19.3	19.8	20.5	**21.3**	20.5	20.1	21.1	19.5	19.1	19.1	19.5	18.9	**19**
20.8	21	21.6	22.6	**23.4**	23.3	22.8	22	21.1	21.2	21.3	21.1	20.4
22.6	23.6	22.9	**23.7**	21.4	21	21.4	21.4	21	21.1	21.2	21.2	21.1
20.5	**22.6**	21.7	21.1	21.7	21.3	21.4	19.8	18.8	**18.3**	18.8	18.4	20.5
20.8	22.5	23.2	**23.4**	23.3	**23.4**	22.7	22	21.9	21.5	21.6	21.1	20.6
20.8	21.3	20.6	21.1	21.3	21.5	**21.9**	21.4	21.5	21.7	21.3	21.5	20.9
21.1	20.7	20.6	20.5	20.9	20.5	20.8	21.4	20.4	20	**19.1**	19.3	20.6
21.7	21.9	22	**22.1**	**22.1**	22	21.7	21.5	21.4	21.3	21.	21.1	21.4

CLOUDS—FORM AND DIRECTION

Day.	8 a.		9 a.		10 a.		11 a.		Noon.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	....	N. WSW	....	N. WSW	Ci.-S.	N. WSW	Ci.-S.	Cu.	....	N. WSW
2	A.-Cu.	Cu.	A.-Cu. SSW	Cu.	A.-Cu.	Cu.	A.-Cu. SSW	Cu.	A.-Cu. SSW	Cu.
3	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.-N.	Ci.	Cu.
4	Ci. E	Cu.	A.-Cu.	Cu. NE	Ci.	Cu. NE	....	Cu. ENE	....	Cu.
5	Ci.	Cu.	....	Cu. NE	Ci.	Cu. NE	Ci.	Cu. NE	Ci.	Cu.
6	A.-Cu.	Cu. NE	Ci.	Cu.	....	Cu. ENE	Ci.	Cu. ENE	Ci.	Cu. ENE
7	A.-Cu. NE	Cu.	....	Cu. ENE	Ci.	Cu.-N. ENE	Ci.	Cu.-N.	Ci.	Cu.-N. ENE
8	Ci.	Cu.	Ci.-Cu. SE	Cu. E	Ci.-S.	Cu. E	Ci.-S.	Cu. E	Ci.-S.	Cu. E
9	Ci.	Cu. WbyS	Ci.	Cu. ENE	Ci.	Cu. ENE	Ci.	Cu. ENE	....	Cu.-N.
10	A.-Cu.	Cu.	A.-Cu.	Cu. ENE	A.-Cu.	Cu. ENE	....	Cu. ENE	A.-Cu.	Cu. ENE
11	Ci.-S .	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu. NE	Ci.-S.	Cu.-N. NE	Ci.-S.	Cu.N.
12	Ci.-S·	Cu.	Ci.-S.	Cu. E	Ci.-S.	Cu. W	Ci.-S.	Cu. W	Ci.-S.	Cu. W
13	Ci.-S.	Cu. WbyS	Ci.-S.	N. WSW	A.-Cu.	Cu. WSW	Ci.	Cu.	Ci.-S.	Cu.
14	....	Cu.-N. NW	Ci.-S.	Cu.	Ci.-S.	Cu.	A.-Cu.	Cu.	Ci.-S.	Cu.
15	Ci.-S.	Cu. S	Ci.	Cu. SSE	Ci.	Cu. SSE	Ci.	Cu. SSE	Ci.	Cu. SSE
16	A.-Cu.	Cu. E	Ci.-S.	Cu.	....	Cu.-N. SE	....	N. EbyS	....	N. E
17	A.-Cu. WNW	Cu.	A.-Cu. WNW	Cu.	A.-Cu. WNW	Cu.	A.-Cu. WNW	Cu. E	A.-Cu. WNW	Cu. E
18	....	N.-cf. E	....	Fr.-N. E	....	Cu.-N. E	....	Cu.-N. E	....	Cu. E
19	A.-Cu. E	Cu.	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu. E	....	Cu.-N. E
20	Ci.	Cu. E	Ci.	Cu. E	....	Cu. E	A.-Cu.	Cu. E	....	Cu. E
21	A.-Cu.	Cu. E	A.-Cu.	Cu. E	Ci.	Cu. E	Ci.-Cu.	Cu.	....	Cu.
22	A.-Cu. E	Cu.	A.-Cu. E	Cu.	Ci.	Cu. E	....	Cu. E	....	Cu. E
23	Ci.	Cu.	Ci.	Cu.	....	Cu. E	....	Cu. E	....	Cu. E
24	....	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
25	Ci.	Cu.	....	Cu. E	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu. E
26	Ci.	Cu. E	....	Cu. E	....	Cu.	Ci.	Cu. E	A.-Cu.	Cu. E
27	Ci.	Cu.	Ci.	Cu. E	Ci.-S.	Cu. E	....	Cu.-N. E	Ci.-S.	Cu. E
28	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E	Ci.	Cu. E	....	Cu. E
29	Ci.	Cu.	Ci.	Cu.	Ci.	Fr.-Cu. E	Ci.	Cu. E	Ci.	Cu. E
30	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	....	N. WSW	....	Cu.-N. WSW	....	Cu.-N. WSW	....	Cu.-N. WSW	....	Cu.-N. wsw
2	A.-Cu. SSW	Cu.-N.	A.-Cu. SSW	Cu.-N.	....	Cu.-N. SSW	A.-Cu.	Cu.-N. SSW	A.-Cu.	Cu.-N. SSW
3	Ci.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.
4	....	Cu.	....	Cu.	....	Cu.-N.	....	Cu.-N. ENE	....	Cu.-N. ENE
5	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.-N.	Ci.	Cu.-N.	....	Cu.-N.
6	Ci.	Cu. NE	Ci.	Cu.-N. NE	Ci.	Cu.-N. NE	Ci.	Cu.-N. NE	A.-Cu.	Cu. NE
7	Ci.-S.	Cu. ENE	Ci.-S.	Cu.-N. ENE	Ci.-S.	Cu.-N. ENE	Ci.-S.	Cu.-N. ENE	Ci.-S.	S.-Cu.
8	Ci.-S.	Cu.	Ci.-S.	Cu.-N. E	....	Cu.-N. NE	Ci.-S.	Cu. NE	Ci.	Cu. ENE
9	....	Cu.-N.	....	Cu.-N.	....	Cu.-N.	....	Cu.-N.	Ci.-S.	S.-Cu.
10	Ci.	Cu.	A.-Cu.	Cu.	A.-Cu.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu. ENE
11	....	Cu.	....	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.	Ci.-S.	Cu.
12	Ci.-S.	Cu.	Ci.-S.	Cu. W	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu. W
13	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.
14	A.-Cu.	Cu. WNW	A.-Cu.	Cu. WNW	A.-Cu. NW	Cu.	A.-Cu. NW	Cu.	Ci.-S.	Cu.
15	Ci.-S.	Cu.	Ci.-S.	Cu. SSE	....	Cu.-N. SE	Ci.-S.	Cu.-N.	....	Cu.-N. SSW
16	....	N. E	....	Cu.-N.	....	S.-Cu. E	....	S.-Cu. E	....	S.-Cu. E
17	A.-Cu.	Cu.	A.-Cu. WNW	Cu. E	A.-Cu.	Cu. E	A.-Cu.	Cu. E	Ci.	Cu. E
18	Ci.-S.	Cu. E	....	Cu. E	Ci.-S.	Cu. E	Ci.-S.	Cu. E	A.-Cu. NW	Cu.
19	....	Cu. E	....	Cu. E	....	Cu.-N. E	Ci.	Cu. E	Ci.	Cu.
20	....	Cu. E	....	Cu.-N. E	....	Cu.-N. E	....	Cu.-N. E	....	Cu.-N. E
21	....	Cu. E	....	Cu. E	....	Cu. E	Ci.	Cu. E	....	Cu.
22	....	Cu. E	....	Cu. E	Ci.	Cu. ESE	....	Cu. E	....	Cu. E
23	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
24	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
25	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu.	Ci.	Cu.
26	....	Cu. E	....	Cu.-N. E	....	Cu. E	....	Cu.-N. E	....	Cu.-N. E
27	Ci.-S.	Cu. E	Ci.-S.	Cu. E	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.
28	Ci.	Cu. E	....	N.	....	N.	....	Fr.-N.	Ci.	Fr.-N.
29	A.-Cu.	Cu.	Ci.	Cu.	A.-Cu.	Cu.	A.-Cu.	Cu.	A.-Cu.	Cu.
30	....	Cu.	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	SW 2	SW 2.5	SW 3	S 1.5	SW 8	SW 3.5	S 1	S 0.5	WSW 3	SW 1.5	SSW 1.5	SW 1
2	Calm	Calm	Calm	Calm	Calm	SbyW 3.5	Calm	SE 1	Calm	SW .5	WSW 2	WbyS 4
3	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	WSW .5	WSW 1	W 1.5	WNW 1.5
4	Calm	Calm	Calm	Calm	Calm	Calm	Calm	ESE .5	SW .5	WSW 2	WSW 2.5	WSW 4
5	Calm	Calm	E 1	Calm	Calm	NE .5	Calm	Calm	SSW .5	WNW 1	WNW 2	W 1.5
6	NE 1.5	Calm	Calm	N .5	Calm	NNE .5	NE .5	ENE .5	ENE .5	NE .5	WSW .5	WSW 1
7	N 2	N 1.5	Calm	Calm	Calm	Calm	Calm	Calm	NNE .5	W .5	WNW 1.5	WSW 1.5
8	Calm	N .5	NNE 1.5	N 1	Calm	Calm	NNE .5	NE .5	Calm	NW .5	WNW 1	WSW 2
9	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	SSW .5	WbyS 1	W 2
10	Calm	Calm	Calm	NE .5	Calm	Calm	NE .5	Calm	SSW .5	WSW .5	WNW 1	Calm
11	Calm	Calm	NE .5	Calm	Calm	Calm	ENE .5	Calm	NE .5	SSW 2	W 1	W 2
12	Calm	Calm	W 1.5	Calm	ENE 1.5	Calm	SE .5	Calm	Calm	Calm	Calm	SSW .5
13	WNW .5	Calm	Calm	Calm	Calm	Calm	Calm	SW .5	WSW 6	SW 4	SW 5	SW 3
14	Calm	Calm	Calm	SE .5	S .5	SE .5	Calm	ENE .5	Calm	S 1	WSW 3.5	W 3
15	SE 1.5	SE 1	SE 1	ESE .5	Calm	SE .5	SE 1	SE 1	ESE 1	SW .5	WSW 1	WSW .5
16	Calm	Calm	Calm	Calm	Calm	Calm	NE .5	Calm	ENE .5	Calm	Calm	Calm
17	NW .5	Calm	Calm	ESE .5	Calm	Calm	Calm	ESE 1	ENE 3	ESE .5	ESE 1	ESE 1
18	NE 1.5	Calm	ENE .5	Calm	Calm	Calm	NE 1	NE .5	Calm	Calm	ENE .5	ESE .5
19	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	W 2	Calm	WNW 2	WNW 1.5
20	E .5	Calm	Calm	Calm	Calm	Calm	Calm	NW .5	WNW 1	W .5	WSW 1.5	SW 1.5
21	Calm	Calm	Calm	Calm	Calm	Calm	ENE 2.5	E 1	E 1	E 1.5	SE 4	ESE 2
22	Calm	Calm	NE .5	Calm	Calm	Calm	Calm	NNE .5	Calm	W 2	W .5	W 2
23	NE 1	Calm	Calm	Calm	Calm	Calm	Calm	ESE .5	ESE .5	W .5	W 1.5	WNW .5
24	ESE 1.5	Calm	Calm	Calm	NE 1.5	NE .5	Calm	Calm	WSW .5	WNW 2	WNW 3.5	W 3
25	Calm	Calm	Calm	E .5	NE 1	NE .5	Calm	NNE .5	NW 1	NW 2.5	NNW 1	NW 2.5
26	Calm	NE .5	Calm	NE 1	NE 1.5	NE .5	NE .5	W .5	WNW 1	WNW 1.5	W 1.5	W 2.5
27	ENE .5	Calm	NE .5	NE .5	NE .5	Calm	NE .5	NE .5	NNW .5	W 1	W 2	W 2.5
28	Calm	NE 1	Calm	E 1	NE 1	NNE 1.5	NNE 2	NNW .5	NNW .5	W 2.5	WNW 2.5	WNW 1
29	Calm	Calm	Calm	Calm	Calm	NE .5	Calm	NNE .5	Calm	W 1.5	W 3.5	W 4
30	Calm	Calm	Calm	Calm	Calm	Calm	NE .5	Calm	SSW 1.5	SW 1	WSW 1.5	W 3
Mean	0.4	0.2	0.3	0.3	0.5	0.4	0.4	0.4	0.9	1.1	1.7	1.8

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
1	wsw 11	S 0.5	SW 0.5	WSW 3.5	SW 4.5	WSW 5	SSW 1.5	S 3.5	SW 6.5	SW 3.5	SW 2.5	Calm	3
2	WSW 3.5	WSW 4.5	WSW 5	WSW 2	W 3	WSW 2.5	WSW 1	SW 1.5	S 1.5	Calm	Calm	Calm	1.5
3	WNW 2	SW 2	WSW 4	WSW 3	WSW 3	SW 1	SW 2.5	WSW 1	Calm	Calm	Calm	Calm	1
4	WSW 4	W 2	W 1	W 3	WSW 2	SW 1	NW 6.5	Calm	Calm	Calm	Calm	Calm	1.2
5	WNW 3.5	WSW 3	WSW 1	WSW 3.5	WSW 3	WSW 1	NE 2	S 1	Calm	Calm	Calm	Calm	1
6	WSW 3.5	WNW 2.5	W 1.5	Calm	WSW 1	WSW 1	WSW 2.5	NW 3.5	NE 3.5	Calm	N 1	Calm	1.1
7	WNW .5	SE 2.5	SE 1	SSE 2.5	Calm	Calm	Calm	NE 1.5	E .5	NNE 3	NNE 1.5	Calm	.9
8	W 3.5	W 2	W .5	W .5	Calm	Calm	Calm	Calm	S .5	S 1.5	Calm	Calm	.7
9	W 1	Calm	NNE 1	Calm	N 1	Calm	Calm	Calm	Calm	Calm	Calm	Calm	.3
10	W 1	W 2.5	WSW .5	S .5	SE 1	Calm	ESE 1	NNE 2	Calm	SSW 1	WSW .5	Calm	.5
11	WSW 1	SE 8	SE 1	S 1.5	Calm	Calm	Calm	Calm	Calm	SE .5	Calm	Calm	.8
12	SW .5	SW 4	SW 3.5	SW 3.5	SW 4	SW 3.5	SW 2.5	SW 1.5	Calm	W 1.5	SW 2.5	Calm	1.9
13	SW 5.5	SW 4.5	SW 6.5	SW 4	SW 4	SW 3	SW 3.5	SSW 1.5	SSW 1.5	SSW 2	SW 1.5	Calm	2.3
14	W 2.5	W 3	WSW 4	WSW 7	WSW 6	WSW 4	SW 1.5	SSW 2.5	SSW 2	S .5	Calm	Calm	1.8
15	WSW 1	SW 3	SW 4	SW 4	SW 2.5	SW 1	Calm	Calm	NE 1.5	NE 1	Calm	Calm	1.1
16	NNW 1	ENE .5	E 1.5	Calm	Calm	Calm	SE 1	SE 1	NNE .5	Calm	Calm	Calm	.3
17	ESE 1.5	ESE 1.5	ESE 3.5	ESE 1.5	ESE 2	ESE 1	ESE 1	E 1.5	Calm	Calm	Calm	E 0.5	.9
18	SSE .5	WNW 1	wbyN 3.5	W 1	ESE .5	S .5	Calm	SE 1.5	NE 2.5	NE 1.5	NE 3.5	ENE .5	.9
19	W 2.5	SW .5	NNW .5	NE 1	ENE .5	E 1	NE 1	ESE 1	ESE 2	ENE .5	Calm	Calm	.7
20	WNW 1	W 1	SE 1	WNW 2	Calm	Calm	SE 1	SE .5	Calm	Calm	Calm	Calm	.5
21	ESE 2	Calm	Calm	ESE 1.5	E .5	E .5	Calm	Calm	Calm	Calm	Calm	NNW .5	.7
22	W 2	Calm	N 1	NNE .5	E .5	Calm	ESE 1.5	ESE 1.5	ESE 1.5	ESE 1.5	ESE 1.5	ESE 1	.8
23	W .5	W 2	W 2.5	SE 2	NNE .5	Calm	SE 1	SE 1.5	SE 1.5	NE 1	ESE 2	ESE 1.5	.9
24	W 2	W 1.5	Calm	SW .5	Calm	NNW .5	NE 1	NE .5	NE .5	ENE .5	Calm	Calm	.8
25	W 1	W .5	W 2	W 1	WNW .5	NW 1	NE .5	NE .5	Calm	Calm	Calm	ENE 1	.7
26	W .5	ESE 1.5	SE 2.5	SE 1.5	ESE 1.5	SE .5	Calm	E 1	ESE 1	SE .5	ESE 1	Calm	.9
27	W 2.5	NW .5	Calm	Calm	Calm	Calm	Calm	E 1	Calm	Calm	Calm	ENE 1	.6
28	W 3	E 2	ESE 1	SE .5	Calm	Calm	SE .5	SE 1	SE 2	ESE 1	E .5	Calm	1
29	WNW 3	WNW 3	W 2	W .5	SE 1	SE .5	E .5	SE 2	SE 1	Calm	Calm	Calm	1
30	WNW 3.5	W 1	WNW 2.5	W 1	W .5	Calm	SE 1	E 1	E .5	Calm	Calm	Calm	.8
Mean	2.4	2	2	1.8	1.4	1	1.2	1.2	1	0.7	0.6	0.2	1

WIND—VELOCITY IN KILOMETERS PER HOUR

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	8	5	9.5	6.5	15	23	12	6	12	15	7.5	12.5
2	1.5	2	2	3	1	5	8	4.5	3	2.5	12	21
3	1.5	0	0	.5	1.5	0	0	1	2.5	3.5	8	10
4	1	.5	1	2	0	0	0	2	4	3	12	12
5	1.5	1.5	2.5	.5	.5	0	.5	.5	.5	5	13	13.5
6	1	0	.5	.5	1	.5	.5	1	5	4	8	11
7	4	2	2	1	3	0	0	0	1.5	5.5	8	8.5
8	1	1	1	4	1.5	.5	0	4.5	5.5	2	9	11
9	0	0	0	.5	2.5	.5	0	1	1.5	4	7	9
10	0	0	0	0	0	0	0	1	5	6	9	7
11	1.5	2.5	1.5	2	1	4	2.5	.5	4.5	4.5	7.5	6.5
12	1	1	3.5	4	4.5	3	1	2	2	1	1	3
13	2	4.5	0	.5	0	.5	6	5.5	17	18	17	21
14	2	2	2	2	2	2	2	1	2.5	6.5	9.5	14
15	3	2	2.5	2.5	2.5	2.5	4	5	6	6	6	9.5
16	0	0	0	0	0	0	0	0	1	2	1	2
17	.5	.5	.5	2	1	0	2	2	1	10	9	8
18	3.5	3	2.5	3	2	1.5	5.5	9	2.5	1.5	3	4.5
19	4.5	.5	0	.5	1	1	0	.5	5	7.5	8.5	13
20	.5	2	1.5	.5	.5	.5	0	1	5	8.5	7.5	6
21	1.5	.5	0	1	.5	0	4.5	5	10	11	11	12
22	1	0	0	0	0	0	.5	3	4	3	12	10
23	3	2.5	.5	.5	0	0	0	1	3.5	6	12	13.5
24	5	3	1.5	.5	3	1.5	3	0	1.5	7	11	11
25	.5	1	.5	0	1	4	3.5	1	4	6	8.5	7
26	2.5	1.5	2	3.5	4.5	5	3	2	7	3.5	12.5	9
27	2	2	1.5	1	1	1	1	3.5	3	3	13.5	10
28	3	2	3	3.5	3.5	4.5	3	4	5.5	6	13.5	12.5
29	0	0	0	.5	2.5	1.5	4.5	1.5	3.5	5	12	15.5
30	0	.5	0	2	2.5	3	2.5	3.5	3.5	9	10	11.5
Mean	1.9	1.4	1.4	1.6	2	2.2	2.3	2.4	4.4	5.8	9.3	10.5

AMOUNT OF CLOUDS (0–10)

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.	
														h.	*m.*
1	10	10	10	10	10	10	10	8	8	10	10	10	9.7	0	00
2	6	8	8	8	6	5	8	7	8	6	8	8	7.2	5	40
3	7	7	8	7	6	7	7	9	9	10	10	10	8.1	5	40
4	6	6	5	4	3	3	3	3	4	7	8	1	4.4	8	10
5	3	4	4	4	3	3	3	3	5	4	8	8	4.3	9	45
6	4	5	3	3	4	5	6	7	8	7	7	7	5.5	7	25
7	10	8	5	8	9	9	10	10	10	10	9	9	8.9	3	35
8	4	4	4	8	9	9	9	8	8	8	8	7	7.2	5	00
9	4	5	8	8	8	8	10	10	10	10	10	10	8.4	2	55
10	8	8	5	5	8	8	8	7	6	7	7	8	7.1	4	00
11	8	5	6	9	10	10	10	10	10	10	10	10	9	0	00
12	6	7	10	10	10	10	9	9	10	10	10	10	9.2	0	00
13	6	9	9	9	9	9	9	10	10	10	10	10	9.2	0	00
14	9	8	7	5	4	6	8	7	7	7	5	5	6.5	4	35
15	3	4	5	5	4	5	6	8	9	10	9	10	6.5	7	20
16	8	9	9	10	10	10	10	10	10	10	10	10	9.7	0	00
17	6	9	9	10	9	9	10	8	8	9	10	10	8.9	1	40
18	8	10	10	10	8	8	8	7	6	6	8	10	8.2	4	05
19	6	5	5	6	6	7	9	8	7	6	5	5	6.2	6	10
20	3	4	4	8	5	7	10	8	8	8	8	8	6.8	5	55
21	4	8	5	4	3	3	3	5	8	7	8	7	5.4	6	20
22	9	7	6	5	5	7	5	8	7	5	5	4	6.1	6	05
23	3	3	2	3	4	4	4	7	7	8	4	3	4.3	7	35
24	2	2	3	3	3	3	3	3	4	5	5	3	3.2	7	25
25	3	4	8	7	6	8	8	7	4	3	2	2	5.2	5	20
26	1	3	7	2	4	5	9	8	7	8	6	10	5.8	6	35
27	9	7	7	9	8	10	8	9	8	7	6	3	7.6	2	40
28	7	7	7	7	8	7	7	9	9	7	6	3	7	5	20
29	2	3	3	5	5	7	6	5	7	6	5	3	4.8	8	30
30	2	1	2	3	3	2	3	4	4	4	5	6	3.2	9	55
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	147	40
Mean	5.6	6	6.1	6.5	6.3	6.8	7.3	7.4	7.5	7.5	7.4	7	6.8	4	55

WIND—VELOCITY IN KILOMETERS PER HOUR

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
30	12.5	4.5	11	15	15	18	9	15	25	13	3.5	**12.6**
23	24	**29**	15	21	18	10	3	5	3	0	2.5	9.1
10	9	11	13.5	**14.5**	10	11	9	6.5	4.5	2	.5	5.4
14	13	**14**	11	11	7	11	7.5	1.5	3	1.5	2.5	5.6
13.5	12.5	9.5	**15**	**15**	12	8	6	0	0	1	0	5.5
10	13	11	3	8	12	11	**19**	12	4.5	3	.5	5.8
3.5	7	9	**15**	8	1.5	.5	3	4	6	11	2	4.4
9.5	**11.5**	7	4	2.5	1	.5	0	1	5.5	3	.5	3.6
7	8	3	4.5	2.5	0	0	0	0	0	0	0	2.1
6	7.5	**9.5**	2.5	6	3	2	4.5	0	1.5	3	6	3.3
5	8	7	8	6	1	1	2	2	1	0	3	3.4
5	10	18	**19**	16.5	18.5	15.5	11.5	6	5.5	10.5	8	7.1
19.5	18.5	**23**	19.5	18.5	15.5	13.5	9	10	8	9	6	10.9
13.5	14	22	24	**27**	20	17	9	7	1	2	3	8.6
8.5	14	**18**	16.5	10.5	13	9.5	.5	3.5	6	3.5	2	6.5
4	**6.5**	3	1	.5	1	2	2	2	2.5	0	0	**1.3**
9	9	12.5	12.5	**13**	9	6	6	3	3	1	2	5.1
4.5	**11**	10.5	9.5	3.5	1.5	2	1.5	6.5	6.5	10.5	9	4.9
12	10	3.5	4.5	3	3	2	4	6	4	5	1.5	4.2
10	9	8	2	1	4	3.5	4.5	1	1	1	1	3.3
10.5	7	2.5	4.5	1.5	3.5	.5	.5	0	.5	1.5	4	3.9
12	6.5	8.5	8	7	5.5	3	6.5	3.5	4.5	4	3	4.4
11	11	10	5.5	5	0	1.5	2.5	4.5	3.5	4.5	5.5	4.5
13	11	5.5	5.5	3	3	4.5	1	1	1	.5	0	4
13	9	9	8.5	5	3	1.5	2.5	3.5	1.5	.5	2	4
9	4	**13**	11.5	8	7	2.5	5	4.5	2	2.5	1.5	5.3
11	10	1	1	.5	0	.5	3.5	3.5	0	0	2	3.1
14	**14**	7	3	2	1.5	1.5	5	6	5	3	3	5.4
13.5	13	12	5.5	7.5	7.5	8	5.5	4	1	2	.5	5.3
10.5	10	10	7	5.5	5	7	5.5	4	1	1.5	2	4.9
11.2	10.8	10.4	9	8.3	6.7	5.8	5	4.2	3.7	3.3	2.6	5.2

FREQUENCY OF THE WIND

Day.	N.	NNE.	NE.	ENE	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1									5	2	12	4					1	303.5	1.1	17.2
2							1		2		2	8	1				10	219	2.9	
3											3	6	1	2			12	130	3	
4						1					2	5	3		1		12	134.5	2.8	8.9
5			2		1				1	1		5	1	3			10	132	3.2	26.6
6	2	1	4	2								6	1	1	1		6	140	3	21.1
7	2	3	1		1		2	1				1	1	2			10	106	2.1	2
8	2	2	1						2			1	4	1	1		10	87	2.7	
9	1	1								1		1	2				18	51	1	3.8
10		1	2			1	1		1	2		4	2				10	79.5	2.1	3.1
11			2	1			3		1	1		1	2				13	82.5	.8	9.2
12				1			1			1	9		2				10	171	1.7	26.7
13										3	12	1		1			7	262	2.2	3.1
14				1			2		3	2	1	5	3				7	207	3	3
15			2			2	6				6	3					5	157	2.8	**34**
16		1	1	2	1		2									1	16	**30.5**	1.1	4.1
17				1	2	12									1		8	122.5	3.4	
18			6	3		2	1	1	1				2	1			7	118	2.7	5.2
19			2	2	1	2					1		2	2		1	11	100.5	3.2	
20					1		3				1	1	2	3	1		12	79.5	3.2	
21				1	5	3	1									1	13	93.5	4.3	
22	1	2	1		1	6							4				9	105.5	4.1	
23		1	2			4	4						5	1			7	107	3.9	
24			5	1		1					1	1	3	2		1	9	97	3.8	
25		1	4	1	1								4	1	4	1	7	96	3.1	
26			5		1	4	4						4	2			4	126.5	3.2	
27			5	2	1								4		1	1	10	75.5	2.7	.3
28		2	2		3	2	4						2	2		2	5	129	2.1	7.7
29		1	1		1		4						5	2			10	126.5	4	
30			1		2		1			1	1	1	4	2			11	117	**4.4**	
Total Mean	8 0.3	16 0.5	49 1.6	18 0.6	22 0.7	40 1.3	40 1.3	2 0.1	16 0.5	14 0.5	51 1.7	54 1.8	64 2.1	28 0.9	10 0.3	8 0.3	280 9.3	3,786.5 126.2	83.6 2.8	176 5.9

EXTREME VALUES

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°*C.*		*Per cent.*	*mm.*	*mm.*		°*C.*		*Per cent.*	*mm.*
1	757.70	Midnight	**28.3**	3.30p.	97	22.9	754.35	3.35a.	24.2	4.55a.	**82**	**21**
2	60.15	11.00p.	30.6	1.10p.	97	**23.8**	56.75	3.30a.	23.1	4.25a.	73	19.7
3	61.15	10.00p.	30.9	0.30p.	**98**	22.9	58.70	3.10p.	23.2	5.45a.	67	20.9
4	61.40	10.00p.	32.2	2.55p.	97	23.6	57.95	2.55p.	22.8	7.05p.	68	20
5	60.60	8.50a.	31.9	4.45p.	97	23.4	57.15	3.45p.	23.2	8.00p.	64	20.6
6	59.80	0.05a.	31.8	2.35p.	97	23.2	56.40	3.55p.	23.4	3.15a.	67	**21**
7	58.40	10.00p.	30.6	1.40p.	96	23.3	55.97	5.00p.	24	1.50a.	72	20.9
8	58.40	9.55p.	30.7	1.55p.	96	22.5	55.83	4.00p.	22.7	5.35a.	69	19.9
9	59.05	9.55p.	29.9	10.20a.	97	22.9	55.95	4.30p.	23.3	5.45a.	74	20.6
10	58.50	0.05a.	31	2.35p.	97	23.2	55.40	3.10p.	22.8	5.05a.	70	20.1
11	57	0.05a.	28.8	11.45a.	96	22.9	54.15	5.00p.	24	5.55a.	77	21.4
12	**55.80**	0.15a.	29.2	1.15p.	97	23.6	**53.60**	3.10p.	23.3	4.45a.	79	20.4
13	56.65	10.35p.	29.8	1.10p.	97	23.4	53.80	3.20p.	23.8	3.30a.	76	20.6
14	57.75	10.30p.	30.6	2.35p.	97	23.1	55.15	2.35p.	23.8	5.55a.	70	21.3
15	58.50	10.15p.	31.7	1.55p.	97	23.2	55.90	2.15p.	24.1	2.45a.	68	**21.5**
16	59.45	10.00p.	28.4	3.55p.	96	23.2	56.90	2.45p.	24	5.25a.	80	21.1
17	60.60	9.15p.	31.7	1.35p.	95	**21.2**	57.90	3.20p.	23.8	5.45a.	63	19.8
18	**62.30**	9.25a.	30.9	1.00p.	93	22.3	**58.95**	3.50p.	23.4	5.45a.	64	19.7
19	60.90	0.05a.	31.6	1.55p.	96	22.3	58.30	4.45p.	23.2	5.55a.	64.5	19.7
20	60.45	11.00p.	31.4	2.50p.	**98**	22.4	57.55	2.35p.	22.6	5.05a.	65	20.2
21	60.45	10.45p.	**32.9**	1.40p.	94	22.7	57.40	3.15p.	**24.7**	4.35a.	**56**	18.6
22	60.70	8.25a.	31.7	2.50p.	**91**	22.2	57.78	4.00p.	23.8	5.45a.	64	19.5
23	60.35	9.50a.	31.8	1.50p.	95	21.8	57.85	3.10p.	23.3	5.50a.	63	18.2
24	60.40	9.05a.	32.8	3.50p.	95	21.3	58.10	4.30p.	**20.8**	5.55a.	59	**17**
25	60.70	9.25a.	32.1	3.25p.	95	23.4	58.45	3.20p.	21.6	5.05a.	61	18
26	61.15	9.05a.	32.7	2.20p.	96	23.7	57.90	3.20p.	22.7	4.55a.	68	19.1
27	60.57	9.00a.	31.2	3.35p.	97	22.6	58.15	3.45p.	22.6	Midnight	64	18.3
28	60.45	8.30a.	31.1	0.30p.	95	23.4	57.85	4.15p.	21.3	5.15a.	64.5	17.6
29	60.20	8.05a.	32.5	3.55p.	97	21.9	57.20	3.15p.	22.5	5.55a.	60.5	19.6
30	60.45	9.10a.	32.2	4.35p.	96	21.6	57	4.05p.	22.8	6.10a.	60	19.1
Mean	759.67	....	31.1	....	96.1	22.8	756.81	....	23.2	....	67.8	19.8

DAILY GENERAL REMARKS

1....● in the morning and afternoon; T NE quadrant 11.45 a. m.; gusty WSW winds in the afternoon.
2....Overcast.
3....⊕ in the forenoon and afternoon, being intense at noon; ϖ° at night.
4....● in the evening.
5....d in the early morning; ⌒, heavy thundershowers in the evening.
6....ϟ in the evening; ●^{2} at night.
7....● 12.05 p. m.
8....⊕ in the forenoon.
9....Light thundershowers in the afternoon.
10....●° in the forenoon and at night; ⌈ϟ° NNW in the evening.
11....●, ⌈ϟ° SSE in the afternoon.
12....● in the early morning; ⊕° at noon.
13....●^{2} in the early morning; d in the evening.
14....d early in the morning; ⌒ in the morning.
15....● early in the morning; heavy thundershowers in the evening.
16....Light thundershowers in the forenoon.
17....Overcast.
18....⩍° early in the morning; ● in the morning; d° at night.
19....⩍° early in the morning; d° 2.28 p. m.
20....⩍° early in the morning; d° 4.30 p. m.; ϟ° NW quadrant in the evening.
21....Cloudy weather.
22....As yesterday.
23.... Do.
24....⩍° early in the morning.
25.... Do.
26....d°, near ⌈ϟ in the afternoon.
27....≡°, ⊕^{2} in the morning; d in the afternoon.
28....● in the afternoon.
29....⩍° early in the morning.
30....Cloudy weather.

OBSERVATIONS FOR OCTOBER, 1919

ATMOSPHERIC PRESSURE, 700^{mm}+

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon
1	59.10	58.90	58.45	58.40	58.65	59.02	59.34	59.70	59.68	**59.73**	59.30	58.87
2	58.40	58.10	57.85	57.70	57.60	57.91	58.37	58.34	**58.54**	58.50	57.94	57.51
3	58	57.75	57.50	57.35	57.50	57.84	58.19	58.65	**58.77**	58.60	57.93	57.43
4	57.75	57.55	57.50	57.50	57.60	58.19	58.64	**58.99**	58.92	58.77	58.42	57.66
5	57.75	57.30	57.25	57	57.40	57.45	58.35	**58.78**	58.68	58.43	57.97	57.32
6	58.10	57.65	57.75	57.80	57.80	58.39	58.50	59.19	59.29	59.02	58.42	57.61
7	58.75	58.10	57.95	57.85	58.35	59.08	59.44	59.76	**60.13**	59.78	59.14	58.55
8	59	57.85	57.55	57.70	57.95	58.04	58.50	59.15	**59.40**	59.35	58.81	57.71
9	56.70	56.45	56.10	55.85	56.05	56.16	56.50	57.04	57.29	**57.35**	57.12	56.40
10	56.25	55.80	55.75	55.55	56	56.31	56.76	57.17	57.46	57.20	56.72	56.12
11	57.50	57.30	57.20	57.20	57.25	57.82	58.30	58.65	58.81	58.65	58.12	57.69
12	60.20	59.90	59.70	59.75	60.05	60.40	60.89	60.83	60.94	60.98	60.67	60.07
13	60.80	60.25	59.95	60.10	60.20	60.45	61	61.64	**61.80**	61.52	60.99	60.29
14	59.30	59.10	58.90	59.05	59.10	59.20	59.34	59.46	**59.60**	59.27	59.05	58.39
15	57	56.60	55.85	55.60	55.75	55.95	56.86	57.55	**57.70**	57.22	56.61	56.05
16	56.45	56.20	55.90	56	56.55	56.72	57.52	57.51	57.91	57.74	57.28	56.56
17	57.85	57.30	57.15	57.05	57.35	58.01	58.61	59.03	**59.15**	59	58.29	57.58
18	58.35	58.10	57.65	57.45	57.45	57.81	58.30	58.76	58.79	58.73	58.29	57.38
19	57.95	57.85	57.55	57.75	57.95	58.23	58.92	58.84	59.17	58.85	58.50	57.97
20	59.25	58.85	58.05	**58**	58.35	59.03	59.36	59.74	**60.15**	**60.15**	59.74	59.20
21	59.45	59.25	59.15	59.20	59.60	59.99	60.45	60.89	61.20	60.97	60.65	60.13
22	60.75	60.45	60.15	60.15	60.35	60.76	61	60.98	**61.24**	60.72	60.39	59.97
23	60.35	60.15	59.95	59.75	59.85	60.35	60.62	61.12	**61.43**	61.25	60.73	60.34
24	60.50	60	59.55	59.55	59.70	60.10	60.20	60.51	60.72	**60.94**	60.49	59.89
25	59.70	59.65	59.40	59	59.40	59.82	60.50	60.93	**61.14**	60.84	60.40	59.89
26	59.90	59.85	59.85	59.80	59.95	60.35	60.84	61.08	**61.28**	61.19	60.54	59.84
27	60.10	59.85	59.70	59.90	60.05	60.60	61.10	61.64	**61.99**	61.98	61.59	60.98
28	60.70	60.40	59.75	59.60	59.60	60.26	60.59	60.75	**60.99**	60.48	60.16	59.73
29	59.40	59.10	58.70	58.80	59.10	59.68	60.13	60.35	**60.77**	60.68	60.19	59.65
30	59.85	59.80	59.50	58.95	59.20	59.61	60.01	60.49	**60.68**	60.35	60.15	59.43
31	59	58.95	58.70	58.70	58.90	59.56	59.92	60.60	**60.83**	60.74	60.50	59.59
Mean	58.84	58.53	58.26	58.20	58.41	58.81	59.26	59.62	**59.82**	59.64	59.20	58.57

TEMPERATURE (°C.)

Day	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	24.1	23.3	22.8	22.3	21.9	**21.6**	24.3	27.2	29.1	29.1	29.2	**29.9**
2	23.7	23.4	23.2	23.1	22.7	**22.5**	24.3	27.4	29.7	28.9	29.1	30.2
3	24.7	24.8	**24.3**	24.4	24.5	24.5	25.7	28.2	29.8	29.5	30.4	30.9
4	27	24.3	25.2	24.3	24.1	**23.5**	25.1	27.5	29	29	30	30.4
5	24.5	24.4	24.4	24.4	24.4	**24.3**	25.3	27.7	30.4	30.8	30.3	31.1
6	25.7	25.5	25.3	25.5	25.3	**24.9**	25.7	27.5	29.8	29.5	29.7	30.2
7	24.9	24.3	24	23.8	23.8	**23.7**	25.1	27.6	27.6	30.1	**30.8**	29.5
8	23.9	23.7	23.6	**23.4**	23.5	23.5	23.6	24.5	24.2	24.6	24.5	24.3
9	24.3	24.2	**23.6**	**23.6**	**23.6**	23.7	24.4	25.5	26.2	26.9	27	27.2
10	24.2	**23.9**	**23.9**	24.4	24.3	**23.9**	24.9	26	27	29	29.6	30.4
11	24.1	24.6	24.6	24.6	24.5	24.4	25.6	27	27.8	29.4	29.8	30.6
12	24.3	23.5	**23.3**	23.4	**23.3**	24	24.2	26.3	26.8	28.7	29.4	29.7
13	23.7	23.5	23.3	23.2	23.2	**23**	24.4	26.5	27.8	29.1	28.9	29.5
14	24.6	24.4	24.3	24.1	**23.5**	**23.5**	25.3	26.3	29.1	29.6	28.9	29.9
15	23.8	23.9	23.9	**23.6**	**23.6**	24	24	23.7	25	25.5	27.1	27.8
16	25.1	**24.5**	24.8	25	24.9	**24.5**	25.3	27.3	28.5	30	30.4	30.8
17	25.3	25.1	**24.8**	**24.8**	24.9	25	26.3	28.9	29.3	29.7	30.1	30.4
18	25.5	25.3	25.1	24.6	24.4	**24.2**	25.4	28.1	29.2	29.9	30.4	30.3
19	25.5	**24.8**	24.9	**24.8**	25	25	25.9	28.2	28	29.5	29.3	29.8
20	24.5	**23.8**	24.1	24	24	24.1	25	25.9	27.2	27.9	28	29.9
21	23.5	23.6	23.8	23.4	23.9	24	24.3	25.5	27.4	28.6	**29**	28.4
22	22.6	22.3	**22.1**	22.7	22.8	23	23.9	27.1	27.7	28	**29.6**	28
23	24.4	23.9	23.8	23.9	**23.6**	23.9	24.7	25.9	25.9	29	**30.6**	30.2
24	23.4	22.7	22.3	22.1	21.8	**21.7**	22.5	26.7	28.7	28.9	28.4	29.8
25	23.8	24	24.1	24	23.6	**23.4**	24.7	26	27.8	**29.1**	27.8	27.5
26	23.8	23.8	23.5	23.6	23.3	**23**	23.9	26.7	28.5	29.6	29.8	31
27	24.6	24.5	24.4	24.4	24.1	**24**	24.2	25.1	25.8	26.5	26.8	26.8
28	23.8	23.7	23.6	23.6	23.1	**22.9**	23.2	24.5	26.6	28.7	28.6	29.1
29	23.7	23.6	23.4	23.2	**23.1**	23.3	23.8	24.3	26.3	28.7	28.9	29.3
30	24.2	24.1	24	24.3	24.1	24	24.4	26.6	26.8	27	28.5	28.6
31	23.4	23.3	**23.2**	**23.2**	**23.2**	23.5	23.7	24.7	24.9	25	26.2	28
Mean	24.3	24	23.9	23.9	**23.7**	**23.7**	24.6	26.5	27.7	28.6	28.9	29.3

ATMOSPHERIC PRESSURE, 700mm+

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
58.72	58	**57.18**	57.29	57.52	57.78	58.12	58.70	59	59.35	59.10	59	58.70
56.86	56.28	**55.77**	55.81	55.87	56.20	56.68	57.25	58.05	58.10	58.15	58	57.49
56.64	56.16	55.77	**55.70**	56.04	56.47	56.98	57.25	57.75	57.90	57.85	57.80	57.41
56.93	56.52	56.16	**55.99**	56.26	56.52	57.12	57.50	58.10	58.55	58.70	58.45	57.68
56.28	**55.72**	**55.72**	55.96	56.25	56.78	57.35	57.80	58.25	58.40	58.25	58.20	57.44
56.88	**56.43**	56.86	56.56	56.92	57.32	57.87	58.05	59.05	59.30	**59.45**	59.05	58.05
58.29	57.35	**57.23**	57.72	57.99	58.27	58.95	59.10	59.10	59.50	59.70	59.75	58.74
56.90	56.35	56.24	**56.17**	56.20	56.45	56.85	57.20	57.35	57.45	57.35	57.05	57.61
55.86	55.29	**55.17**	55.35	55.61	55.96	56.11	56.50	56.80	57	56.95	56.75	56.35
55.73	55.19	**55.18**	55.87	56.44	56.57	56.88	57.55	**58.05**	57.75	58	57.65	56.58
57.39	57.04	**56.87**	57.18	57.72	58.13	58.82	60.35	60.30	60.10	60.25	**60.40**	58.29
59.43	58.73	**58.49**	58.73	59.06	59.71	60.55	61.25	61.40	**61.55**	**61.55**	61.10	60.25
59.58	58.86	**58.34**	58.48	58.76	59.34	59.89	60.65	60.95	60.75	60.25	59.55	60.18
57.67	56.84	56.34	**56.17**	56.83	57.28	57.52	58.42	59.20	59.05	58.60	57.60	58.39
55.54	55.30	**55.01**	55.12	55.20	55.34	55.75	56.20	56.45	56.55	56.50	56.55	**56.18**
55.94	55.62	**55.59**	56.02	56.44	56.95	57.24	57.80	58.20	**58.45**	58.20	57.75	56.94
57.09	56.59	**56.37**	56.62	56.97	57.36	58.02	58.60	58.95	59	58.95	58.55	57.89
57.07	56.55	**56.06**	56.41	56.91	57.39	57.72	58	58.60	58.65	**58.95**	58.30	57.82
57.03	56.36	**56.12**	56.31	56.71	57.02	58.10	58.85	59.05	59.25	**59.30**	59.20	58.03
58.48	58.10	58.15	58.17	58.10	58.52	59.24	59.85	60.10	60.10	60.10	59.90	59.11
59.55	59.02	**59**	59.28	59.50	59.76	60.08	60.80	61.15	**61.30**	61.10	60.95	60.10
59.40	58.94	**58.74**	58.96	59.06	59.28	59.83	60.50	60.85	60.95	60.95	60.65	60.21
59.62	59.12	59.44	**59.10**	59.19	59.59	60.19	60.55	60.70	60.95	61.05	60.75	60.26
58.89	58.33	**57.94**	58.42	58.80	58.88	59.29	59.80	60.10	60.15	60.05	60.10	59.70
59.08	58.34	**58.32**	58.40	58.70	59.30	59.87	60.30	60.50	60.85	60.65	60.40	59.81
59.16	58.54	**58.33**	58.48	58.69	59.28	59.95	60.50	61	60.85	60.65	60.45	60.01
60.38	59.56	**59.45**	59.70	60.06	60.03	60.39	60.95	61.20	61.25	61.20	61.05	**60.61**
59.27	58.48	**58.34**	58.88	58.98	59.16	59.50	60.15	60.50	60.45	60.20	59.90	59.87
58.88	58.22	58.17	**58.13**	58.63	59.02	59.70	60.45	60.55	60.75	60.60	59.95	59.57
58.95	58.03	**57.75**	58.09	58.67	59.28	60.05	60.40	60.35	60	59.65	59.45	59.53
58.86	58.09	**57.77**	57.83	58.08	58.40	59.38	59.70	59.90	60.30	60.10	60.20	59.36
57.95	57.35	**57.16**	57.32	57.62	57.98	58.52	59.06	59.40	59.50	59.43	59.18	58.65

TEMPERATURE (°C.)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
26.7	25.9	29.3	29	27.6	26.6	26	25.5	25.2	24.9	24.5	24	25.8
31	**31.5**	31.3	31.2	29.8	28.6	28.2	28.1	27.5	26.9	26.1	26	27.3
31.2	30.9	30.9	30.5	29.2	28.3	28.3	28.1	28	28	28	27.8	**28**
31.1	31.1	**31.3**	30.8	29.3	28.4	28.6	28.6	27.8	25.8	24.5	24.7	27.6
31.4	30.2	29.9	29.5	28.5	27.4	26.7	26.5	26.3	26	26.1	26	27.4
29.9	**31.3**	26.2	25.6	26.2	25.5	25.3	25.3	25.1	25	25.1	**24.9**	26.7
25.5	26.3	27.7	28.6	25.4	25.3	25.3	24.8	24.3	24.2	24	23.9	25.9
24.8	25.6	**25.8**	**25.8**	25.5	24.6	24.4	24.3	24.2	24.2	24.5	24.4	**24.4**
28.1	25.5	25.8	25.5	25.2	25	25	24.7	24.6	24.6	24.4	24.3	25.1
30.7	29.1	27.2	25.3	25.3	24.8	24.5	24.4	24.4	24.3	24.2	24.2	25.8
31.8	29.1	27.4	28.2	25.8	25	25.1	23.9	**23.1**	23.3	23.3	24	26.1
29.9	31.4	**31.5**	30.7	28.9	27.3	26.7	25.3	24.8	24.7	24.6	24	26.5
30.2	30	30.2	**30.3**	28.8	27.2	26.5	26.5	26	25.5	25	25.1	26.6
31	**31.6**	28.9	28.2	27.6	26.8	26.1	24.8	24.4	23.8	23.7	23.9	26.4
28	27.2	26.7	26.8	26.6	25.7	25.4	25.1	25.2	25.1	25	24.9	25.3
31.4	**31.6**	30.8	29.2	26.8	25.3	25.1	25.2	25.4	25.4	25.4	25.3	27
30.8	30.7	30.5	30.2	28.8	28.1	27.7	27.4	27.4	26.8	26.2	25.6	27.7
30.8	30.6	30.6	29.7	28.5	27.7	27.6	27.4	27.4	27.2	26.8	25.8	27.6
30.3	**30.9**	30	28.9	28.5	28.2	26.8	25.4	24.9	24.9	24.9	24.9	27.1
30	27.8	26.6	27.3	26.6	25.3	25.1	25	24.8	24.2	24.3	23.9	25.8
28.1	27.8	26.2	24.7	25.3	24	23.5	23.6	23.3	23	**22.8**	**22.8**	25
28.3	28.2	26.3	26	26.5	25.6	25.2	25.1	25	24.9	24.6	24.7	25.4
29.3	28.8	25.6	25.6	25.6	25.2	24.9	24.5	24.3	24.1	23.9	**23.6**	25.6
30.5	28.5	**30.6**	28	27.2	26.2	25.3	25.3	24.9	24.5	24.4	24.3	25.8
27.7	28.6	26.2	27.7	26.8	26	25.7	25.1	24.6	24.2	24	24	25.7
31.1	31	28.5	27	26.4	26	25.6	26	25.6	25.4	25	24.8	26.4
27.2	27.5	**27.7**	27.2	26.5	25.4	25	24.9	24.7	24.3	24.1	**24**	25.4
29.6	29	27.3	25.9	25.3	24.9	24.8	24.7	24.5	24.3	24.3	24.1	25.4
29.8	29.5	29.4	28.5	27.1	25.9	25.8	25.5	25	24.7	24.7	24.4	25.9
28.7	28.4	**29**	28.5	27.3	26.4	25.9	23.8	**23.3**	23.5	23.7	23.7	25.8
28.7	29	29	**30**	27.5	26	25.8	25.5	25.4	25.2	24.6	24.4	25.6
29.5	29.2	28.5	28.1	27.1	26.2	25.9	25.5	25.2	24.9	24.7	24.6	26.2

RELATIVE HUMIDITY (%)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	86	88	89	93	94	95	80	69	65.5	69	69	65
2	94	93	95	95	95	95	85	76	69	67	69	64
3	95	94	97	96	96	96	92	82	76	78	69	65
4	85	93	91	91	91	95	89	79	74	77	71	70
5	96	97	97	97	97	97	96	85	74	68	75.5	71
6	95	93	95	93	89	92	89	82	71	72	72	70
7	95	98	97	97	97	97	92	80	84	71	68	71
8	98	97	97	97	97	97	97	94	92	91	94	93
9	97	96	97	97	97	97	94	88	84	83	80.5	83
10	97	97	97	93	94	96	94	89	83	76	72	70
11	97	97	97	97	97	97	93	87	82	72	69	67
12	97	99	99	99	99	94	95	86	84	74	69	69
13	95	94	93	92	91	92	85	80	74	70	76	74
14	91	91	90	91	94	92	84	84	71	69	61.5	61
15	92	92	89	91	91	90	93	96	92	92	86	82
16	92	94	94	92	92	95	91	86	77	71	70	67
17	96	98	97	97.5	97	96	89	75	72	72.5	69	64.5
18	93	93	94	96	96	96	93	80	76	72	71	72
19	95	97	97	98	96	97	95	85	85	78	76	74
20	94	96	96	96	97	97	95	90	83.5	80	80	73
21	97	95	95	97	94	95	93	88	77	71	69	72
22	97	97	98	96	94	95	91	77	76	74	72	77
23	97	99	99	97	97	96	92	85	83	67.5	67	64
24	96	97	95	96	96	96	96	82	71	72	73	70
25	95	95	94	92	95	95	89	91	82	75	80	83
26	97	97	94	93	95	97	94	83	75	71	68	65
27	96	96	96	95	96	96	94	92	85	85	87	86
28	97	97	97	96	97	97	96	93	83	75	77	71
29	98	98	98	98	99	97	96	94	88	73	75	71
30	95	95	97	94	96	97	95	83	85	89	76	78
31	98	98	99	97	97	97	97	95	90	87.5	85	76
Mean	94.9	95.5	95.5	95.1	95.3	95.5	92.1	85	79.5	75.6	74.1	72.2

VAPOR PRESSURE (mm)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	19.3	18.7	18.5	18.6	18.3	18.1	18	18.5	19.6	20.6	20.7	20.5
2	20.5	19.9	20	19.9	19.4	19.2	19.1	20.5	21.2	19.9	20.6	20.5
3	21.9	21.9	21.8	21.7	21.9	21.9	22.5	23.4	23.6	23.8	22.3	21.7
4	22.5	21	21.6	20.5	20.2	20.4	21.1	21.6	21.9	22.9	22.3	22.4
5	21.9	21.9	21.9	21.9	21.9	22	23	23.5	23.7	22.4	24.2	24
6	23.3	22.6	22.7	22.6	21.4	21.6	21.9	22.4	22.2	22.2	22.3	22.4
7	22.2	22.2	21.6	21.3	21.3	21.2	21.7	21.9	22.9	22.4	22.4	21.7
8	21.6	21.2	21.1	20.8	20.7	20.7	20.9	21.5	20.7	20.8	21.5	21
9	21.8	21.5	21.1	20.9	20.9	21	21.3	21.4	21.2	21.7	21.3	22.2
10	21.7	21.5	21.3	21.2	21.2	21.1	22	22.3	22.1	22.5	22.1	22.7
11	21.5	22.4	22.2	22.2	22	21.9	22.8	23.1	22.6	22.1	21.4	21.7
12	21.8	21.3	21.1	21.2	20.9	20.8	21.3	21.9	22	21.7	21	21.5
13	20.6	20.2	19.8	19.5	19.3	19.2	19.3	20.6	20.6	21	22.4	22.6
14	20.8	20.8	20.3	20.2	20.2	19.8	20.2	21.3	21.4	21.3	18.2	19.1
15	20.2	20.3	19.6	19.8	19.8	19.9	20.7	20.8	21.6	22.2	22.8	22.6
16	21.7	21.5	21.9	21.6	21.6	21.7	21.8	23.1	22.2	22.5	22.7	22
17	23	23.1	22.5	22.6	22.6	22.5	22.5	22.1	21.7	22.4	22	20.8
18	22.6	22.3	22.3	22	21.7	21.5	22.5	22.6	22.8	22.6	22.8	23.2
19	23	22.5	22.6	22.9	22.6	22.8	23.6	24.1	23.8	23.8	22.9	23.1
20	21.5	20.9	21.4	21.2	21.4	21.5	22.4	22.4	22.4	22.3	22.5	22.7
21	21	20.5	20.8	20.8	20.7	21	21	21.3	20.9	20.7	20.7	20.7
22	19.7	19.5	19.4	19.6	19.3	19.8	20.1	20.4	20.9	20.9	22.1	21.7
23	21.9	21.9	21.7	21.5	20.9	21.1	21.4	21	20.6	20	21.7	20.5
24	20.4	19.8	18.9	18.9	18.7	18.4	19.4	21.3	20.9	21.3	21	21.8
25	20.8	21	21	20.4	20.5	20.3	20.6	22.7	22.6	22.4	22.2	22.6
26	21.3	21.2	20.2	20.1	20.1	20.2	20.7	21.7	21.8	21.9	21.1	21.9
27	22	21.9	21.7	21.6	21.4	21.2	21.1	21.9	21.1	21.8	22.8	22.4
28	21.2	21	20.9	20.7	20.5	20	20.2	21.3	21.4	22.1	22.3	21.4
29	21.4	21.3	21	20.8	20.8	20.7	20.9	21.2	22.3	21.4	22.1	21.5
30	21.3	21.1	21.4	21.3	21.4	21.4	21.6	21.5	22.2	23.5	22	22.6
31	21	20.9	20.9	20.6	20.6	20.7	21	21.9	21	20.6	21.6	21.3
Mean	21.5	21.2	21.1	20.9	20.8	20.8	21.2	21.8	21.8	21.9	21.9	21.8

RELATIVE HUMIDITY (%)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
80	88	75	75	80	84	87	90	91	92	93	93	82.9
63	**63**	64	**63**	68	75	78	79	83	84	87	89	**78.9**
64	66	69	71	77	78	78	79	81	79	80	79	80.7
66	71	69	71	74	79	80	76	84	94	96	**97**	81.8
70	75	78	81	83	89	90	91	92	94	93	94	86.7
70	**69**	90	91	92	95	**96**	95	**96**	**96**	**96**	**96**	87.3
90	90	83	83	92	94	93	92	94	94	96	97	89.4
91	**88**	**88**	**88**	93	96	96	97	97	97	97	97	**94.5**
80	94	91	92	96	96	96	**97**	**97**	**97**	**97**	**97**	92.6
69	77	81	93	95	96	**97**	**97**	**97**	**97**	**97**	**97**	89.6
62	76	83	77	88	94	94	95	**99**	**99**	**99**	96	88.1
70	**62**	64	67	74	84	84	88	89	91	91	92	84.2
71	74	71	**70**	79	88	91	92	92	93	92	88	84
59	**54.5**	64	68	71	79	82	91	92	93	93	91	79.9
82	85	90	92	93	98	98	**99**	97	98	96	96	92.1
64	**64**	66	74	87	93	94	95	95	95	**96**	**96**	85
65	65	**64**	**64**	73	77	80	83	83	87	92	92	81.2
69	71	**69**	74	79	82	82	85	84	85	89	93	83.1
71	72	76	78	78	80	85	92	96	94	95	94	86.8
71	82	90	87	91	93	**97**	96	95	95	94	**97**	90.2
73	75	81	89	90	91	95	97	95	97	**98**	97	88.4
76	78	90	90	88	93	92	92	94	95	96	96	88.5
69	75	89	92	93	95	96	96	96	97	97	97	89
68	82	70	84	89	93	91	88	92	94	94	92	86.5
82	80	92	84	90	93	93	92	94	96	96	**97**	89.8
64	67	77.5	90	89	91	93	91	91	91	93	94	85.9
83.5	**80**	81.5	85	89	94	96	**97**	**97**	**97**	**97**	**97**	91.6
75	76	78	89	91	95	96	96	96	**97**	**97**	**97**	90
73	75	**70**	75	84	91	90	91	92	94	92	95	87.8
75	77	76	77.5	87	91	88.5	94	97	**98**	97	**98**	89
76	78	78	**74**	87	93	93	94	94	93	95	96	90.3
72.3	75.1	77.7	80.3	85.2	89.4	90.4	91.5	92.6	93.6	94.2	94.4	87.0

VAPOR PRESSURE (mm)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
20.9	21.8	**22.7**	22.3	21.9	21.8	21.7	21.8	21.6	21.4	21.3	20.7	20.4
21.1	21.7	21.7	21.3	21.1	21.9	22.1	22.4	**22.6**	22.1	21.8	22.3	21
21.8	22	22.8	23	23.2	22.3	22.3	22.4	22.7	22.1	22.5	22	22.4
22.3	**23.7**	23.4	23.3	22.5	22.7	23.4	22.1	23.5	23.2	21.9	22.3	22.2
23.8	24.1	24.4	**25**	24	24.1	23.3	23.4	23.3	23.5	23.3	23.5	**23.2**
21.9	**23.4**	22.8	22.1	23.2	23	23	22.7	22.7	22.5	22.7	22.4	22.5
21.8	22.8	22.9	**24**	22.1	22.6	22.3	21.5	21.2	**21.1**	21.2	21.3	22
21.1	21.6	21.6	21.6	**22.4**	22	21.7	22	21.8	21.8	22	21.9	21.4
22.6	**22.8**	22.4	22.2	**22.8**	22.5	22.5	22.5	22.4	22.2	21.9	21.8	21.9
22.7	**23.1**	21.8	22.3	22.7	22.3	22	22.1	21.9	22	21.8	21.8	22
21.8	22.7	22.5	21.7	21.9	22.1	22.3	20.9	**20.8**	21.1	21.1	21.2	21.9
21.9	21.2	22	22.1	21.9	**22.7**	21.9	21	20.7	21	20.8	**20.4**	21.4
22.8	23.4	22.8	22.3	23.3	**23.6**	23.4	**23.6**	22.9	22.4	21.6	20.9	21.6
19.6	18.8	18.9	19.4	19.6	20.6	20.7	21.1	21	20.4	20.2	20.1	**20.2**
23.1	22.8	23.5	**24.1**	24	**24.1**	23.7	23.5	23	23.1	22.5	22.4	22.1
21.8	22.1	21.8	22.2	22.8	22.2	22.3	22.6	22.9	22.9	**23.1**	23	22.2
21.3	21.4	20.7	**20.5**	21.4	21.6	22	22.5	22.5	22.8	**23.2**	22.4	22.1
22.6	23.1	22.6	22.9	22.8	22.7	22.5	23	22.9	22.8	**23.3**	23.1	22.6
22.7	23.8	23.9	23.2	22.6	22.8	22.2	22.1	22.4	**22**	22.2	**22**	22.9
22.5	22.6	23.1	23.4	**23.5**	23.1	22.9	22.5	22.1	21.3	21.2	21.3	22.2
20.6	20.8	20.4	20.6	**21.5**	20.3	20.4	20.9	**20.1**	20.2	20.3	**20.1**	20.7
21.7	22.1	**22.8**	22.5	22.6	**22.8**	21.8	21.7	22.1	22.2	22	22.2	21.2
20.9	22	21.8	22.4	**22.8**	22.6	22.4	21.9	21.6	21.5	21.3	20.9	21.5
21.9	23.6	22.7	23.5	**23.8**	23.4	21.8	21	21.4	21.5	21.3	20.9	21.2
22.7	**23.4**	23.2	23.3	**23.4**	23.1	22.9	21.7	21.6	21.5	21.2	21.4	21.9
21.6	22.3	22.4	**24**	22.7	22.7	22.5	22.7	22.1	21.9	22	21.9	21.7
22.4	21.8	22.4	**22.8**	**22.8**	22.7	22.5	22.6	22.3	21.8	21.5	21.4	22
22.9	22.5	21.1	22.2	21.8	22.2	22.3	22.2	21.9	21.8	21.8	21.7	21.6
22.8	**22.8**	21.2	21.8	22.4	22.6	22.3	22	21.7	21.8	21.4	21.6	21.7
22.1	22	22.5	22.4	**23.5**	23.3	22	**20.6**	20.7	21.1	21.2	21.4	21.8
22.2	23.1	23.1	23.4	**23.8**	23.1	22.8	22.8	22.7	22.2	21.8	21.7	21.9
22	22.4	22.3	22.5	**22.6**	**22.6**	22.3	22.1	22	21.9	21.8	21.7	21.8

CLOUDS—FORM AND DIRECTION

Day.	8 a.		9 a.		10 a.		11 a.		Noon.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	....	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E	....	Cu. E
2	Ci.	S.-Cu.	....	Cu.	....	Cu.	Ci.	Cu.	Ci.	Cu.
3	Ci.	Cu.	Ci.	Cu. NNW	Ci.	Cu. NNW	Ci.	Cu.	Ci.	Cu.
4	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
5	A.-Cu.	Cu.	A.-Cu.	Cu. NbyW	A.-Cu.	Cu. NbyW	A.-Cu.	Cu.	Ci.	Cu.
6	A.-Cu.	Cu.	Ci.	Cu.	A.-Cu.	Cu.	Ci.	Cu.	....	Cu.
7	Ci.	Cu.	A.-Cu.	Cu. E	....	Cu. E	....	Cu. E	....	Cu.-N. E
8	....	N.	....	N.	....	N.	....	N.	....	Fr.-N. N
9	Ci.-S.	N.-cf. NNE	Ci.-S.	Fr.-N. NE	Ci.-S.	Fr.-N.	Ci.-S.	Fr.-N. ENE	Ci.-S.	Fr.-N.
10	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.
11	A.-Cu. SW	Cu. SW	A.-Cu.	Cu. S	A.-Cu.	Fr.-Cu. SE	A.-Cu.	Cu.	A.-Cu.	Cu.
12	Ci. NW	Cu.	A.-Cu. NNE	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S. WNW	Cu.
13	Ci. NE	Cu.	Ci. NE	Cu.	Ci. NE	Cu.	Ci.-S. E	Cu.	Ci.-S. E	Cu.
14	A.-Cu. NNE	Cu.	A.-Cu.	Cu. NE	Ci.-S.	Cu. NEbyE	Ci.-S.	Cu.-N. NE	A.-Cu.	Cu.
15	Ci.	N.	Ci.-S.	Fr.-N. ENE	Ci.-S.	N. ESE	Ci.-S.	Fr.-N. N	Ci.-S.	Cu.-N. NNE
16	A.-Cu.	Cu. ESE	A.-Cu.	Cu. ESE	A.-Cu.	Cu. ESE	Ci.	Cu. ESE	Ci.	Cu.
17	Ci.-S.	Cu.	Ci.-S. W	Cu.	Ci.-S.	Cu.	Ci.-S. W	Cu.	Ci.-S.	Cu.
18	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
19	Ci.	Cu.-N.	Ci.	Cu.-N. W	Ci.-S.	Cu. W	A.-Cu.	Cu. W	Ci.	Cu.
20	A.-Cu.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.-N. ESE	Ci.	Cu.	A.-Cu.	Cu.
21	A.-Cu.	Cu.-N. E	A.-Cu.	Cu.	Ci. W	Cu. E	A.-Cu.	Cu. E	A.-Cu.	Cu.-N. E
22	A.-Cu.	S.-Cu.	A.-Cu.	Cu.	A.-Cu. wsw	Cu.	A.-Cu.	Cu. ESE	....	Cu. ESE
23	A.-Cu.	Cu. N	A.-Cu.	N.	A.-Cu. NE	Fr.-Cu. E	A.-Cu.	Cu.	A.-Cu.	Cu. E
24	....	S.-Cu.	Ci.	Cu.	Ci.	Cu	A.-Cu.	Cu.	A.-Cu.	Cu.
25	A.-Cu.	N. NE	A.-Cu. E	Cu.	A.-Cu.	Cu. E	A.-Cu.	N. E	A.-Cu.	Cu.-N. SE
26	A.-Cu. E	Cu.	A.-Cu. E	Cu.	....	Cu. E	....	Cu. E	Ci.	Cu. E
27	Ci.-S.	S.-Cu.	Ci.-S.	S.-Cu. SE	....	S.-Cu. SE	....	S.-Cu.	Ci.-S.	S.-Cu.
28	Ci.-S. ESE	Cu.	Ci.-S. SSE	Cu.	Ci.-S. ESE	Cu.	Ci.-S.	Cu. E	Ci.-S.	Cu.
29	Ci.	S.-Cu.	Ci.-S.	Cu.	....	Cu. ESE	Ci.-S.	Cu. E	Ci.-S.	Cu. E
30	Ci.-S.	S.-Cu.	A.-Cu.	Fr.-N.	....	Cu.-N. NE	Ci.-S.	N.-cf.	....	Cu.-N.
31	Ci.-S. W	Cu.-N. S	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	A.-Cu.	Cu.	....	Fr.-N.	A.-Cu.	Cu.	....	Cu.	....	S.-Cu.
2	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	A.-Cu.	Cu.
3	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
4	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
5	....	Cu.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.
6	....	Cu.	....	Cu.-N. E	....	Cu.-N. E	....	Cu. E	Ci.	Cu.
7	....	Cu.-N.	Ci.-S.	Fr.-N. E	Ci.	Cu.	Ci.-S.	Fr.-N.	....	N.
8	....	Fr.-N.	Ci.-S.	N.-cf. NNE	....	N.-cf.	Ci.-S.	N.-cf.	Ci.-S.	N.-cf.
9	....	N.	Ci.-S.	Fr.-N. NNE	....	Cu.-N.	....	N.	....	Cu.-N.
10	....	Cu.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	....	N.	....	N. SW
11	A.-Cu.	Cu.	Ci.-S.	Fr.-N. SSE	Ci.-S.	Cu.-N.	A.-Cu.	Cu.-N.	Ci.-S.	Fr.-N. S
12	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.-N.
13	Ci.-S.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
14	....	Cu.	A.-Cu.	Cu. E	Ci.-S.	Fr.-N. NE	Ci.-S.	Fr.-N. SE	Ci.-S.	Fr.-N. E
15	....	Cu.-N. SE	....	Cu.-N. SEbyE	....	Cu.-N.	Ci.-S.	Fr.-N.	Ci.-S.	Fr.-N.
16	A.-Cu.	Fr.-Cu. SE	Ci.-S.	Cu.	A.-Cu.	Cu. SE	Ci.-S.	Cu.-N.	Ci.-S.	N.
17	Ci.-S.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
18	....	Cu.	Ci.	Cu.	Ci. SW	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.
19	Ci.	Cu.	Ci.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.
20	Ci.-S.	Cu.	A.-Cu.	Cu.-N.	A.-Cu.	N. N	A.-Cu. W	Cu.-N.	A.-Cu.	Cu.-N.
21	....	Cu.-N. E	Ci.-S.	Cu.-N. E	Ci.-S.	Cu.-N. E	....	N.	A.-Cu.	S.-Cu.
22	....	N. ESE	....	Cu.-N. E	....	N. E	A.-Cu.	N.	A.-Cu.	S.-Cu.
23	....	Cu.-N. E	A.-Cu.	Cu. ESE	....	N.	A.-Cu.	Cu.	A.-Cu.	Cu.
24	Ci.-S.	Cu.	Ci.-S.	N. N	Ci.-S. SE	Cu.	Ci.-S.	Cu.-N. NE	Ci.-S.	Cu.-N. NE
25	....	Cu. SE	A.-Cu.	Cu.-N. ESE	Ci.-S.	Fr.-N. ESE	A.-Cu.	Cu.	Ci.-S.	Cu.
26	Ci.	Cu. E	Ci.	Cu. ESE	Ci.-S.	N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.
27	....	Fr.-N.	Ci.-S.	Cu.-N. NNE	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.
28	Ci.-S.	Cu.	....	Cu.-N. ESE	Ci.-S.	Cu.-N.	Ci.-S.	Cu. E	Ci.-S.	Fr.-N.
29	Ci.-S.	Cu. E	Ci.-S.	Cu.	A.-Cu.	Cu.-N. E	Ci.-S.	Cu.-N. E	Ci.-S.	Cu.-N. E
30	Ci.-S.	Cu.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.	S.-Cu.
31	Ci.-S.	Cu.	A.-Cu.	Cu.	Ci.	Cu. SE	Ci.	Cu. ESE	Ci.	Cu. ESE

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	NE 0.5	Calm	Calm	Calm	Calm	NE 0.5	Calm	NNW 0.5	NW 1	W 1	SW 2	WSW 2
2	Calm	Calm	Calm	Calm	Calm	Calm	Calm	ENE .5	Calm	W 2.5	W 1.5	W 3.5
3	Calm	Calm	Calm	Calm	NE 1	Calm	Calm	Calm	Calm	W 1.5	W 1.5	W 3
4	NNE .5	N 2.5	NbyE 2.5	NE 3	NE 2	Calm	Calm	Calm	Calm	W 1	WNW 2.5	WSW 1.5
5	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	NNE .5	NNE .5	NW 2	NW 3
6	Calm	Calm	Calm	NNW 1	W 2	NE .5	NE 1	Calm	Calm	WSW 1	WSW 1.5	WSW 1
7	Calm	Calm	Calm	Calm	Calm	NE .5	NNE 1	NE .5	NE .5	NNE .5	Calm	W 3.5
8	Calm	NNE .5	Calm	Calm	NE 1	Calm	Calm	Calm	NE .5	Calm	N .5	NNW 2
9	NE .5	NE 1.5	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	WNW 2	WNW 1
10	Calm	Calm	Calm	E 1	Calm	Calm	Calm	N .5	Calm	Calm	Calm	SE 2
11	Calm	Calm	Calm	Calm	SE 1	E .5	Calm	SSW 1.5	S 2	SE 4	SE 4	SSE 1
12	SSE .5	ENE .5	Calm	Calm	Calm	S 3	SSE 2	ESE 2	SE .5	SE 1.5	Calm	SE .5
13	Calm	NE .5	Calm	Calm	NE 1	NE .5	NE 1	Calm	Calm	Calm	W 1.5	WSW 1.5
14	Calm	Calm	NNE 1	Calm	Calm	NE .5	NNE .5	N .5	WNW 2.5	N 2	NNE 4	NE 2
15	NNW 1.5	NNE .5	NNW 5.5	N 1.5	NNE 2.5	NNE .5	Calm	Calm	NW .5	NNW 1.5	NNE .5	Calm
16	E 1.5	SE 2.5	Calm	E 2.5	E 1	NE .5	NE .5	ENE .5	SE 4	SE 3	SE 2	E 1.5
17	Calm	Calm	Calm	Calm	Calm	SSE .5	Calm	Calm	S .5	SW 1	NW 1	WSW .5
18	Calm	N .5	Calm	Calm	Calm	Calm	Calm	Calm	WSW .5	WSW .5	NW .5	NW 2
19	SE .5	Calm	Calm	Calm	Calm	Calm	Calm	S 1.5	S 2	SW 2	SW 1.5	SW 2
20	NE 2	NNE .5	NNW .5	E 4	ENE 3	Calm	Calm	NE .5	Calm	Calm	ESE .5	Calm
21	Calm	NW 1	Calm	Calm	N 1.5	NE .5	NE .5	Calm	Calm	WSW .5	W 1	NW 1
22	NE 1	Calm	N .5	N 1	Calm	Calm	Calm	Calm	ESE .5	SE 2	Calm	W .5
23	Calm	Calm	NE .5	NE .5	Calm	Calm	Calm	Calm	E .5	NE .5	Calm	WNW 3.5
24	N 1	NE .5	Calm	NE .5	NE .5	Calm	Calm	Calm	Calm	SW .5	W 2	W 1
25	Calm	Calm	Calm	Calm	NE 1	NE .5	Calm	NNE .5	NNW .5	N 2	NW 2	N 2.5
26	Calm	NE .5	NNE .5	NE 1	NNE 1	NE .5	Calm	Calm	SW .5	SW 1	ESE .5	NE 1
27	Calm	Calm	Calm	NE .5	Calm	Calm	NE .5	NNE .5	NNE .5	NE .5	Calm	NE .5
28	Calm	Calm	Calm	NE .5	NE .5	NE .5	NE .5	NE .5	Calm	WNW 1	W 1	W 3
29	Calm	NE .5	Calm	Calm	Calm	NbyE .5	NNE .5	Calm	Calm	E .5	Calm	W .5
30	Calm	Calm	Calm	Calm	Calm	Calm	Calm	NNE 1	Calm	Calm	Calm	SSW 1
31	Calm	Calm	Calm	Calm	Calm	NE .5	NE .5	NE .5	Calm	NNE 1	Calm	Calm
Mean	0.3	0.4	0.4	0.5	0.6	0.3	0.3	0.4	0.6	1.1	1.1	1.5

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
1	NNE 5	Calm	Calm	E 0.5	Calm	Calm	SE 0.5	Calm	Calm	Calm	Calm	Calm	0.6
2	N 2	W 2	WSW 2.5	W 3	WSW 4	WSW 2	SW 1	SW 2.5	S 0.5	Calm	SSE 0.5	NW 1.5	1.2
3	WNW 1	W 2.5	WSW 2	SW 3.5	SW 4	SW 4.5	SW 3.5	SW 5.5	WSW 1.5	SW 4.5	W 2	WNW 1	1.8
4	W 1.5	SW 2.5	WSW 4	SW 2.5	SW 3	SW 4	SW 3	W 1.5	WSW 2	NE .5	Calm	Calm	1.7
5	wbyN 3	W 1	WSW 1	SW 1.5	SW .5	S .5	SE .5	Calm	Calm	Calm	S 1	Calm	.6
6	WNW 2	W 2	SE 1.5	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	.6
7	SE .5	Calm	Calm	Calm	Calm	Calm	Calm	NE 1	Calm	NNE .5	ENE 1	Calm	.4
8	NNE 2	NNW .5	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	.3
9	NW 1	NE .5	NNE 1.5	ENE .5	ENE .5	Calm	Calm	Calm	Calm	Calm	Calm	Calm	.4
10	ESE .5	SE .5	SW 2.5	SSW 1.5	Calm	Calm	Calm	Calm	NE .5	NE 1	Calm	Calm	.4
11	SE 2	S .5	W .5	SE 3.5	E 1.5	E .5	E .5	SW 5	ENE 3	NE 1	Calm	Calm	1.3
12	ESE 2	ESE 1	SE .5	SW .5	W 2.5	Calm	NE 1.5	E 1.5	ESE 1.5	NE 1	Calm	Calm	.9
13	WSW 2.5	WNW 2	WNW 1.5	WNW 1	SW .5	Calm	Calm	Calm	Calm	Calm	Calm	NNE .5	.6
14	NNE 2	N 4	NE 1.5	NE 2.5	ENE 5	E .5	E .5	Calm	Calm	NNE 1.5	Calm	NW 2.5	1.4
15	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	.6
16	ESE 3	SE 5	ESE .5	SE 2	SE .5	Calm	Calm	SE 1	Calm	Calm	Calm	Calm	1.3
17	W .5	W 1	W 3.5	W .5	W 2.5	WSW 2	WSW 1	W 1	W 1	Calm	Calm	Calm	.7
18	W 3.5	W 4	SW 4	WSW 4.5	WSW 2	WSW 2	WSW 2.5	WSW 2	WSW 1	WSW 1	Calm	Calm	1.3
19	WSW 1.5	WSW 5	SW 5	SW 4	SW 5	SW 5	N .5	E 1	NE .5	NE 2	NE .5	NNE 1	1.7
20	Calm	SW .5	SE 1	ESE .5	ESE 1	Calm	ESE 1	E .5	E .5	Calm	Calm	Calm	.7
21	NW 2	Calm	ENE .5	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	.4
22	WSW 3	WNW 2.5	Calm	Calm	Calm	SE .5	SSE .5	SE 1	Calm	Calm	Calm	Calm	.5
23	WNW 3	WNW 2	ENE .5	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	N .5	.5
24	W 2.5	Calm	WSW 1	SE .5	Calm	Calm	Calm	SE .5	E .5	Calm	NE 1	Calm	.5
25	N 2.5	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	.5
26	ENE 4.5	Calm	WNW 2.5	N 1	NE 1	Calm	Calm	W 1	SW 1	SE 1.5	ESE 1	SE 1	.9
27	Calm	ESE 1	NE .5	Calm	Calm	Calm	Calm	Calm	NE .5	N .5	Calm	Calm	.2
28	W 1	W .5	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	NE .5	Calm	.4
29	W .5	NNE .5	NE 2	NNE 1	NNE .5	N .5	NE .5	NNE 1	NE .5	Calm	Calm	Calm	.4
30	SW 1	Calm	Calm	NNW 1	Calm	Calm	SSE 2	SE .5	SE 1	E 1	Calm	Calm	.4
31	Calm	Calm	Calm	N .5	Calm	Calm	Calm	N .5	Calm	Calm	Calm	Calm	.1
Mean	1.8	1.3	1.3	1.2	1.1	0.7	0.6	0.9	0.5	0.5	0.2	0.3	0·8

WIND—VELOCITY IN KILOMETERS PER HOUR

Day.	Mdt.–1 a.	1–2 a.	2–3 a.	3–4 a.	4–5 a.	5–6 a.	6–7 a.	7–8 a.	8–9 a.	9–10 a.	10–11 a.	11–Noon.
1	1.5	0.5	1	0.5	0	2.5	2	3	5.5	9	12	11
2	0	2	1.5	1	3.5	1	0	2.5	2.5	6	11.5	12
3	9	3	4.5	2	3	.5	0	2.5	3.5	6	11.5	11.5
4	4	8	8.5	10.5	8	3	0	0	1	7	13	12
5	1.5	1	.5	.5	.5	0	0	.5	4	8.5	5	14
6	2	2.5	1	3.5	6.5	9.5	6.5	5.5	3	8	7.5	9.5
7	3	0	.5	2	0	.5	2.5	5.5	4	2	6	10.5
8	0	1	2	2	2.5	.5	2.5	0	2.5	3	7.5	9
9	2	3	2.5	1	0	0	.5	1.5	1.5	2.5	5	8.5
10	1.5	.5	3	5	2	2.5	1	2.5	4	1.5	6.5	9
11	0	2	.5	.5	2	3	3	5	11	9.5	16.5	11
12	6	4	4	2	2	6	9.5	5.5	7	7	7	5
13	.5	0	0	2	4	6	4	2	1	4	7	8
14	8	2	1	6	1	2	3.5	3.5	10	10	21	19.5
15	7	7.5	9.5	12	7	10	5	2.5	1	7.5	4	3
16	5	11.5	8	7	10	3	4.5	1.5	9	12	14	11
17	.5	0	0	3	2.5	1	0	0	4.5	5	5	6
18	1	.5	.5	.5	1	.5	.5	.5	3.5	6	8.5	12.5
19	3	9.5	1	1	1.5	.5	.5	4	10.5	8	14	10
20	8	7	6	17	10	9	11	5	4	5	5.5	5.5
21	.5	4.5	3	1.5	3	1.5	1	0	1	5	9	4
22	.5	.5	1	1	4	.5	0	1.5	2	6	5	7
23	2	.5	.5	1.5	.5	1.5	1.5	0	3	2	2	9
24	2	3.5	3	1	1	4	3.5	1	1	5.5	11	10
25	1	1	.5	.5	2	2.5	4.5	10	4	9	8	8
26	0	0	0	.5	0	.5	.5	0	1	2.5	7.5	8.5
27	6	4.5	5.5	11	5	6	9	7.5	6.5	7	4	.5
28	0	0	0	0	0	2	1	1	0	3.5	10.5	8.5
29	.5	.5	1	0	.5	1.5	1.5	1.5	2	3	5	6.5
30	.5	.5	.5	2	0	.5	.5	2.5	1	.5	.5	4
31	0	0	.5	.5	0	2.5	6	4	5	7	.5	1.5
Mean	2.3	2.6	2.3	3.2	2.7	2.7	2.8	2.6	3.9	5.8	8.1	8.6

AMOUNT OF CLOUDS (0–10)

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.	
														h.	*m.*
1	2	2	3	3	6	0	5	9	4	3	2	2	3.4	6	50
2	3	1	1	2	3	3	4	4	4	5	5	5	3.3	10	05
3	7	7	8	9	8	5	4	3	2	2	2	2	4.9	8	05
4	7	4	3	4	5	3	4	7	6	7	5	5	5	7	20
5	9	8	7	5	6	4	5	7	7	9	9	8	7	5	40
6	4	4	4	4	3	4	8	8	8	6	5	3	5.1	4	40
7	4	5	7	7	8	9	10	8	7	8	10	10	7.8	3	25
8	9	10	10	10	10	10	10	10	10	10	10	10	9.9	0	00
9	9	10	10	10	10	10	10	10	10	10	10	10	9.9	0	00
10	7	7	8	6	6	6	10	9	10	10	10	10	8.2	1	10
11	7	8	8	7	6	6	10	10	9	9	9	9	8.2	2	00
12	7	8	6	6	7	6	9	9	7	6	9	9	7.4	2	35
13	2	1	2	2	6	6	9	7	7	7	7	4	5	4	50
14	6	6	5	6	9	7	9	7	8	8	9	9	7.4	3	35
15	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
16	10	6	7	6	6	4	5	5	6	8	9	9	6.8	4	50
17	7	3	4	4	3	3	6	3	3	3	3	3	3.8	8	35
18	3	3	3	2	3	3	3	2	3	2	2	2	2.6	9	35
19	8	8	8	5	6	5	4	5	8	9	9	10	7.1	6	30
20	6	8	8	9	9	8	9	9	9	5	4	4	7.3	1	10
21	6	7	3	7	8	10	9	10	10	10	4	2	7.2	2	00
22	3	3	4	8	8	9	10	10	9	9	8	7	7.3	4	05
23	5	9	9	7	6	6	9	6	10	6	5	2	6.7	3	10
24	1	2	1	2	3	3	6	8	7	8	6	2	4.1	7	25
25	5	9	8	8	9	9	10	9	8	7	7	8	8.1	1	40
26	5	6	6	8	8	7	5	5	8	7	7	6	6.5	6	30
27	6	6	7	8	9	10	10	9	10	10	10	5	8.3	0	00
28	6	5	4	4	5	7	6	9	9	9	9	4	6.4	2	00
29	7	4	4	9	6	8	8	9	9	9	9	9	7.6	1	20
30	7	7	7	8	9	9	10	10	10	9	8	8	8.5	0	45
31	9	9	9	9	10	9	8	8	6	4	5	4	7.5	0	50
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	120	40
Mean	6	6	5.9	6.3	6.8	6.4	7.6	7.6	7.5	7.3	7	6.2	6.7	3	54

WIND—VELOCITY IN KILOMETERS PER HOUR

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
12	10	0	2	3	0	1.5	2	0	2	2.5	0.5	3.5
12.5	10.5	11.5	13.5	**17**	13	10.5	11.5	12	6.5	4	3.5	7.1
12	15	17	18	22	22	**24**	22	19	16	17	9	**11.2**
11	11	14	15	18	**20**	18	12	12	12	8	1	9.5
13	13	7.5	5.5	8	7	7	4	3.5	4	7	4	5
9	6.5	**10.5**	3.5	4.5	1.5	.5	1	.5	2.5	.5	2	4.5
8	.5	0	0	3	3.5	2.5	3.5	3.5	1.5	5	2.5	2.9
7.5	6	0	0	0	0	0	0	0	0	0	0	**1.9**
8	7.5	**8.5**	7	2.5	1	0	0	0	0	.5	1	2.7
10	7	9	**14**	2	2.5	3	2	4	1.5	2	0	4
8	9	8.5	4.5	9	3	2	**22**	9	9	4.5	4.5	6.5
5	5	3	7	7	1.5	6	8	8.5	5	1.5	0	5.1
9	**11**	**11**	9	8	2	1	1	1	1	1	2	4
18	19.5	19	11	17	12	7	6	1.5	3.5	5	9	8.8
1	2	3	2	.5	.5	1	1.5	1	1	1.5	1.5	3.9
13.5	13.5	12	11	8.5	6.5	6	3	2	3	.5	.5	7.4
7.5	8.5	11	13.5	**17**	16.5	11	6	7	4	1.5	2	5.5
12	12.5	18.5	**20.5**	17.5	17	17	14	12	10	4.5	3	8.1
9.5	16.5	22	20	**23**	21	12	5	4	9	9	7	9.2
4	7	6.5	5.5	2	3	3	2	2	3	2	0	5.5
5	4	5	8	.5	.5	0	0	0	0	0	1	2.4
5.5	**9**	3	3	2.5	1	5.5	4	3	2	0	1.5	2.9
12	12	**13**	6	1	2.5	2.5	1.5	.5	0	2	1.5	3.3
9.5	5	6	3	1	0	0	6.5	4	2	2	1	3.6
12	6	4	0	.5	0	0	1	.5	0	0	0	3.1
9	10	**13**	**13**	3	3	.5	3.5	5	5	5	5	4
1	1.5	2.5	1	0	0	.5	0	1	.5	.5	0	3.4
11.5	**11.5**	6	3	3	1.5	.5	1	.5	.5	.5	.5	2.8
6	6.5	**12**	8	3	1	2	4	4	1	2.5	1	3.1
5.5	5	2	4.5	1.5	1.5	5.5	**13**	5.5	3.5	3.5	2	2.8
4	4	5	5	3.5	2.5	2	1	.5	1	1.5	1	2.4
8.8	8.6	8.5	7.6	6.7	5.4	4.9	5.2	4.1	3.5	3.1	**2.2**	4.8

FREQUENCY OF THE WIND

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW.	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1		1	2		1		1				1	1	1		1	1	14	84	2.1	3.8
2				1				1	1		2	3	6		1		9	169.5	4.2	7
3			1								6	2	5	2			8	**270**	**4.3**	44.6
4	1	2	3								5	3	3	1			6	227	3.6	56.6
5		2					1		2		2	1	1	1	2		12	119.5	3.3	1.5
6			2									3	2	1		1	15	107.5	1.8	18.6
7		3	4	1			1						1				14	70	.9	30.4
8	1	2	2													2	17	**46**	**0**	15.4
9		1	3	2										2	1		15	64	.7	2.6
10	1		2		1	1	2			1	1						15	96	1.7	10.2
11			1	1	4		5	1	2	1	1		1				7	157	1.9	17.3
12			2	1	1	4	4	2	1		1		1				7	122.5	2.9	.....
13		1	4								1	2	1	3			12	95.5	2.8	.....
14	3	5	4	1	2									1	1		7	211	3.2	8.9
15	1	4													1	3	15	92.5	.5	15.9
16			2	1	4	2	8										7	176.5	2.7	3.2
17								1	1		1	3	7		1		10	133	3.8	.....
18	1										1	9	2		2		9	194	3.6	10.7
19	1	1	3		1		1		2		7	2					6	221.5	2.8	**65.5**
20		1	2	1	3	4	1				1					1	10	133	1.2	2.3
21	1		2	1								1	1		3		15	58	1.5	1.8
22	2		1			1	3	1				1	1	1			13	69	1.3	.5
23	1		3	1	1									3			15	78.5	1.7	8.4
24	1		4		1		2				1	1	3				11	86.5	3	.1
25	3	1	2												1	1	16	75	1.3	.6
26	1	2	5	1		2	2				3		1	1			6	96	2.1	20.1
27	1	2	6			1											14	81	.7	.....
28			6										4	1			13	66.5	1.5	.3
29	1	6	4		1								2				10	74.5	2	.8
30		1			1		2	1		1	1					1	16	66	1.2	8.9
31	2	1	3														18	58.5	1.3	1.3
Total	22	36	73	12	21	15	33	7	9	3	35	32	43	17	14	10	362	3,599.5	65.6	357.3
Mean	0.7	1.2	2.4	0.4	0.7	0.5	1.1	0.2	0.3	**0.1**	1.1	1	1.4	0.5	0.5	0.3	**11.7**	116.1	2.1	11.5

EXTREME VALUES

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°*C.*		*Per cent.*	*mm.*	*mm.*		°*C.*		*Per cent.*	*mm.*
1	759.75	9.35a.	31.1	3.25p.	95	22.7	757.18	3.00p.	**21.6**	6.00a.	65	**18**
2	58.95	0.05a.	32	2.35p.	95	22.6	55.77	3.00p.	22.3	5.30a.	63	19.1
3	58.80	8.55a.	32	2.25p.	97	23.8	55.70	4.00p.	24.2	3.15a.	64	21.7
4	58.99	8.00a.	32.1	2.40p.	97	23.7	55.99	4.00p.	23.2	5.50a.	66	20.2
5	58.80	8.15a.	32	1.35p.	97	**25**	55.45	2.35p.	24.3	6.00a.	68	21.9
6	59.50	11.15p.	31.9	2.10p.	96	23.4	56.30	2.10p.	**24.7**	6.15a.	69	21.4
7	60.20	8.30a.	30.9	10.55a.	98	24	57.15	2.50p.	23.4	5.55a.	68	21.1
8	59.75	0.05a.	**26**	3.35p.	98	22.4	56.15	4.10p.	23.3	4.10a.	**88**	20.7
9	**57.40**	9.30a.	28.4	0.55p.	97	22.8	55.10	3.05p.	23.4	4.20a.	80	20.9
10	58.10	8.55p.	31.2	1.15p.	97	23.1	55.10	2.45p.	23.5	5.50a.	69	21.1
11	60.45	11.30p.	32.3	0.55p.	**99**	23.1	56.80	3.05p.	23	9.15p.	62	20.8
12	61.60	10.05p.	32.3	3.10p.	**99**	22.7	58.49	3.00p.	23.1	5.15a.	62	20.4
13	61.85	9.10a.	31.4	3.50p.	95	23.6	58.34	3.00p.	22.6	5.55a.	70	19.2
14	59.65	8.50a.	32	1.55p.	**94**	**21.4**	56.17	4.00p.	23.3	5.45a.	**54.5**	18.2
15	57.75	9.10a.	28.8	0.55p.	**99**	24.1	**54.90**	3.10p.	23.3	7.50a.	82	19.6
16	58.45	10.00p.	**32.5**	1.40p.	96	23.1	55.50	3.25p.	24.4	2.10a.	64	21.5
17	59.20	9.10a.	31.7	1.10p.	98	23.2	56.30	3.30p.	**24.7**	3.15a.	64	20.5
18	58.95	11.00p.	31.6	1.45p.	96	23.3	56.06	3.00p.	24.1	5.45a.	69	21.5
19	59.35	11.05p.	31.6	2.15p.	98	24.1	56.05	2.40p.	24.5	11.20p.	71	**22**
20	60.30	9.35a.	30.5	1.05p.	97	23.5	58	4.00a.	23.5	1.50a.	71	20.9
21	61.30	10.00p.	30.3	1.15p.	98	21.5	58.95	2.35p.	22.7	11.35p.	69	20.1
22	61.24	9.00a.	30.2	0.45p.	98	22.8	58.70	2.25p.	22.1	3.00a.	72	19.3
23	61.43	9.00a.	30.9	11.55a.	**99**	22.8	59.10	3.50p.	23.3	5.10a.	64	20
24	60.94	10.00a.	31.6	1.20p.	97	23.8	57.90	2.45p.	**21.6**	6.05a.	68	18.4
25	61.25	8.30a.	29.9	1.40p.	97	23.4	58.25	3.15p.	23.2	5.55a.	75	20.3
26	61.28	9.00a.	32	1.50p.	97	24	58.20	3.15p.	22.9	5.40a.	64	20.1
27	**61.99**	9.00a.	28.1	2.25p.	97	22.8	**59.40**	2.55p.	23.7	6.05a.	80	21.1
28	61.05	9.15a.	31	1.45p.	97	22.9	58.20	1.50p.	22.7	5.55a.	71	20
29	60.77	9.00a.	30.6	1.10p.	**99**	22.8	58.05	3.50p.	23	4.55a.	70	20.7
30	60.75	9.15a.	29.8	3.40p.	98	23.5	57.70	3.25p.	24	6.00a.	75	20.6
31	60.90	9.20a.	30.6	4.05p.	**99**	23.8	57.65	3.40p.	23.1	4.05a.	74	20.6
Mean	760.02	....	30.9	....	97.2	23.2	757.05	....	23.3	....	69.4	20.4

DAILY GENERAL REMARKS

1....● 1.25 p. m.
2....↯° N quadrant in the evening; d at night.
3....● in the early morning.
4....●² in the early morning and at night.
5....[↯ NE and SE in the afternoon; d at night.
6....Thundershowers in the afternoon came from NE quadrant.
7....Thundershowers came from E in the afternoon; ●° at night.
8....Somewhat rainy in the morning; d in the afternoon.
9....●° in the early morning and evening; ⌒ in the morning.
10....d in the early morning; ● in the afternoon.
11....d in the afternoon; ● at night.
12....d° in the morning; ⊕°, [↯ N in the afternoon.
13....Cloudy weather.
14....d° in the afternoon; ● at night.
15....d in the early morning and afternoon; ● in the morning.
16....d in the early morning and at night; ●°, ↯ WSW in the evening.
17....↯ various points in the evening.
18....Fair weather.
19....● in the early morning; [↯ various points in the afternoon; ●² at night.
20....● in the early morning and afternoon.
21....d in the afternoon.
22....d in the afternoon.
23....d in the morning; ● in the afternoon.
24....⌓° early in the morning; d in the afternoon; ↯ N quadrant in the evening.
25....d in the morning and afternoon.
26....Thundershowers in the afternoon; d at night.
27....d in the early morning; d° 12.30 p. m.; ↯ N quadrant in the evening.
28....≡, convergence of Ci. toward SEbyE in the morning; ⴲ at noon; d in the afternoon.
29....[↯ SW in the afternoon; ᗜ in the evening.
30....d in the early morning; d°, ⊕° in the morning; ● at night.
31....● in the morning; ⴲ at noon.

OBSERVATIONS FOR NOVEMBER, 1919

ATMOSPHERIC PRESSURE, 700^{mm}+

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	60	59.70	59.20	59	58.90	59.38	60.23	60.61	60.68	60.80	60.47	59.78
2	60.30	59.75	59.55	59.65	59.80	60.34	60.74	**61.23**	61.17	61.19	61.05	60.69
3	59.90	59.75	59.35	59.35	59.65	60.05	60.44	60.83	60.85	60.54	60.16	59.49
4	60.05	59.75	59.45	59.40	59.45	59.84	60.24	60.39	**60.50**	60.40	60.15	59.72
5	59.35	58.85	58.40	58.40	58.65	59.05	59.45	60.15	**60.20**	60.08	59.54	59
6	59.25	58.65	58.45	58.45	58.95	59.17	59.21	59.45	59.69	59.41	59.08	58.60
7	59.35	58.90	58.80	58.80	59.05	59.67	60.21	60.66	60.38	60.49	60.16	59.49
8	60.25	59.70	59.40	59.45	59.30	59.66	60.06	**60.67**	60.63	60.35	60.05	59.42
9	58.95	58.50	58.10	57.75	58.10	58.70	58.98	59.26	**59.56**	59.44	59.01	58.29
10	58.05	57.90	57.50	57.55	57.75	58.06	58.39	**58.89**	58.83	58.33	57.67	57.18
11	57.55	57.30	56.85	56.80	57.10	57.58	57.99	58.41	**58.49**	58.18	57.58	56.98
12	57.95	57.65	57.45	57.35	57.70	58.01	58.39	58.84	**58.86**	**58.86**	58.33	57.88
13	58.10	57.90	57.60	57.60	57.90	58.54	58.94	59.41	59.74	59.79	59.43	58.92
14	59.60	59.50	59.30	59	59.15	59.31	59.80	60.20	**60.27**	60.24	59.70	59.17
15	59.25	58.90	58.55	58.60	58.75	59.21	59.67	60.09	**60.32**	60.15	59.43	58.64
16	58.65	58.35	58.05	57.91	58.15	58.51	59.16	**59.70**	**59.70**	59.64	58.96	58.33
17	58.65	58.40	57.95	57.85	58.15	58.35	58.52	58.92	**59.49**	58.99	58.58	57.78
18	57.20	56.70	56.45	56.40	56.80	57.16	57.52	58.11	**58.33**	58.22	57.77	57.38
19	58.05	57.80	57.60	57.65	57.70	58.11	58.91	59.06	59.67	59.40	58.89	58.29
20	59.15	58.40	57.80	57.70	58.15	58.80	59.05	59.57	**59.60**	59.39	58.91	58.61
21	58.50	57.85	57.80	57.65	57.95	58.29	58.49	58.79	58.93	58.56	58.40	57.83
22	58.70	58.35	58.20	58.20	58.50	58.94	59.37	60.01	**60.30**	60.18	59.95	59.26
23	59.60	59.45	59.30	59.40	59.55	60.06	60.64	**60.99**	60.96	60.92	60.43	60.01
24	60.25	60	59.85	59.85	60	60.42	60.80	61.19	**61.24**	61.09	60.73	60.17
25	60.50	60.05	60.05	60.30	60.45	60.59	61.30	61.84	**62.01**	61.78	61.33	60.42
26	60.95	60.85	60.60	60.60	60.65	60.99	61.37	61.94	**61.98**	61.53	60.87	60.19
27	59.90	59.45	59.35	59.25	59.35	59.54	59.67	60.11	**60.33**	60.28	59.96	59.82
28	59.50	59.05	58.75	**58.70**	59	59.18	59.92	60.51	60.68	60.73	60.22	59.75
29	61.20	60.90	60.70	60.55	60.70	60.83	61.18	61.61	**61.99**	61.74	61.27	60.40
30	60.20	60.10	60.15	60	60	60.30	60.80	61.58	**61.91**	61.74	60.99	60.74
Mean	59.30	58.95	58.68	58.64	58.84	59.22	59.65	60.10	**60.24**	60.08	59.64	59.07

TEMPERATURE (°C.)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	24.4	23.4	23.3	23	22.9	**22.8**	23.2	25	27.6	28.4	**29**	28.9
2	23.2	23	23.1	23	23	23	23.5	25.2	26.3	27.3	28	28.4
3	22.7	22.5	22.3	22.1	**22**	**22**	23.1	26.8	28.9	29.5	28.5	30.7
4	23.8	23.4	23.1	22.8	22.7	**22.4**	23.4	27.6	29.1	29.6	30.2	30.6
5	24.4	24.1	23.8	23.4	23.5	23.5	24	25.6	28.2	28.3	29.1	29
6	22	21.5	21.2	21.1	**21**	**21**	22.2	25.6	28.4	29.2	29.1	30
7	22.9	22.6	22.1	22	21.9	**21.7**	22.3	26.5	27.9	**30.3**	28.3	27.4
8	23.8	23.4	23.1	23.1	22.9	**22.8**	24	26.8	27.7	28.2	28.5	30.3
9	23.6	23	22.8	22.3	**21.9**	**21.9**	22.9	26.7	27.9	28	28.4	29.3
10	24.2	23.8	23.7	23.7	23.8	**23.5**	24.5	27.7	28.7	29.1	29.6	29.9
11	24.2	24.3	24.1	**23.7**	**23.7**	23.8	24.2	27	27.9	27.8	29.3	29.4
12	24.8	24.4	24.5	24.2	23.9	**23.5**	24.2	26.5	28.1	28	28	29.8
13	24.4	24.3	24.4	24	23.7	23.8	24.6	27.8	27.6	28.2	28	29.6
14	23.7	23.6	22.9	22.6	22.4	**22**	22.9	24.7	26	27.2	28.7	28.8
15	22.9	22.8	22.4	23.2	23.1	22.6	23.9	26.3	27.4	29.2	**29.8**	28.1
16	22.3	21.9	22.4	21.8	21.8	**21.5**	22.1	24.8	27	28.6	28.7	27.7
17	23.5	23.5	23.2	22.8	22.7	**22.6**	23.4	24.8	26.8	29.4	**30.5**	29.9
18	**24.7**	24.2	24.3	**24.7**	24.6	24.4	24.3	23.6	23.8	24	24.6	24.6
19	23.1	23	22.7	22.5	**22.3**	22.4	23.9	26.8	28.4	28.8	**31.7**	31.3
20	23.7	24.1	24.3	23.4	**23.2**	23.7	24.5	26.4	26.9	27.8	28.3	28.6
21	24.5	24.1	23.6	23.3	23.4	**23**	23.6	26.7	27.6	27.2	28.6	29.1
22	24.8	24.5	24.3	23.8	23.7	23.7	23.9	26.5	27.2	26.7	26.8	27.2
23	22.4	**22.2**	22.4	22.4	22.4	22.4	23.1	24.8	26.1	27.5	28.8	**29.2**
24	23.8	23.3	23.4	23.3	22.6	22.6	23.2	24	25.2	25.8	26.1	26.8
25	20.8	20.8	21.2	21	21	20.9	22.2	23.4	25.2	25.7	27.2	28.1
26	20	19.9	20.4	20.2	19.9	**19.5**	20.1	23.3	26.4	27.5	28.2	29.1
27	22.4	**22.2**	**22.2**	**22.2**	**22.2**	22.3	22.5	23	24.4	26.2	25.4	**27.3**
28	23.9	23.8	23.6	**23.5**	23.6	**23.5**	23.9	24.8	27	27.9	29.6	30.9
29	24	24	23.9	23.8	23.5	23.4	23.8	26.3	26.7	26.2	27.3	**29.9**
30	23.4	**23.1**	**23.1**	23.2	23.3	**23.1**	23.5	23.5	23.6	24.4	26	27
Mean	23.4	23.2	23.1	22.9	22.8	**22.6**	23.4	25.6	27	27.7	28.3	28.9

ATMOSPHERIC PRESSURE, $700^{mm}+$

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
59.17	58.76	**58.68**	59.49	59.44	60.40	60.53	60.50	60.75	**61**	60.95	60.65	59.96
59.84	59.01	**58.93**	59.10	59.34	59.50	60	60.55	60.80	60.65	60.45	60.25	60.16
58.64	58.27	**58.21**	58.26	58.62	58.98	59.75	60.40	**61**	**61**	60.75	60.50	59.78
58.70	58.13	**57.11**	58.42	58.59	59.04	59.58	60.05	60.10	60.10	60.05	59.55	59.53
58.36	57.69	57.35	**57.27**	57.83	58.19	58.78	59.40	59.70	59.95	59.70	59.45	58.95
57.98	57.47	57.54	**57.28**	57.67	58.18	58.94	59.45	59.85	**60.10**	59.85	59.50	58.84
58.60	58.32	**57.85**	57.92	58.23	58.70	59.45	60.05	60.35	**60.70**	60.65	60.50	59.47
58.49	57.76	**57.36**	57.54	57.64	57.87	58.62	59.15	59.25	59.55	59.50	59.15	59.20
57.48	56.62	**56.36**	56.54	56.76	57.07	57.75	58.25	58.65	58.70	58.50	58.30	58.15
56.74	56.09	**55.67**	56.20	56.77	57.22	57.95	58.45	58.20	58.55	57.90	57.85	57.65
56.33	55.84	**55.82**	56.17	56.38	56.74	57.33	57.80	57.95	58.25	58.30	57.95	57.32
57.18	56.88	**56.64**	56.66	57.14	57.47	57.99	58.50	58.85	58.85	58.75	58.60	57.95
58.33	57.72	**57.54**	57.82	58.23	58.77	59.28	59.45	60	**60.10**	60	59.75	58.79
58.59	57.87	**57.78**	58.06	58.59	58.70	59.15	59.35	59.65	59.70	59.65	59.65	59.25
57.93	57.42	**57.25**	57.50	57.95	58.46	58.81	58.97	59.30	59.29	59.15	58.90	58.85
57.28	56.67	**56.58**	56.82	57.33	57.75	58.25	58.64	58.85	58.90	59	58.75	58.33
57.16	57	**56.99**	57.14	57.24	57.87	58.33	58.65	58.70	58.40	58.05	57.85	58.13
56.70	**56.36**	56.41	56.63	56.87	57.05	57.30	58.02	58.18	58.25	58.20	57.85	**57.33**
57.37	56.82	**56.74**	57.27	57.84	58.45	59.14	59.90	59.95	**60.20**	**60.20**	59.85	58.54
57.55	57.09	**56.99**	57.33	57.53	58.02	58.68	59.10	59.20	59.35	59.15	59	58.50
57.07	**56.41**	56.64	56.92	57.23	57.63	57.97	58.50	58.85	59.05	**59.10**	58.95	58.06
58.60	58.09	**57.77**	57.83	58.40	58.79	59.50	59.65	59.65	59.90	59.90	59.85	59.08
59.40	59.05	58.90	**58.72**	59.20	59.74	60.20	60.55	60.80	60.80	60.70	60.55	60
59.42	59.32	59.04	**59.01**	59.42	59.65	60.15	60.50	60.95	60.95	60.85	60.70	60.23
59.45	59.08	**58.96**	59.11	59.50	59.95	60.54	61	61.15	61.20	61.25	61	60.53
59.24	58.79	**58.54**	58.85	59.41	59.67	59.94	60	60.20	60.35	60.25	60.05	60.33
59.29	58.51	**58.40**	58.47	58.44	58.50	58.65	58.95	59.80	59.45	59.45	59.60	59.36
59.24	58.92	59.13	59.22	60.08	60.41	61.13	61.15	61.45	**61.65**	61.25	61.40	60.04
59.25	59.20	**59.05**	59.13	59.45	59.85	60.28	60.85	60.85	60.85	60.95	60.60	**60.56**
59.66	**59.04**	59.19	59.59	60.19	60.39	60.80	60.90	61.25	61.20	61.35	60.95	60.54
58.30	57.81	**57.65**	57.88	58.24	58.63	59.16	59.56	59.81	59.90	59.79	59.58	59.11

TEMPERATURE (°C.)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
28.7	27.6	28	24.8	24.5	24.3	23.8	23.7	23.3	23.3	23.2	23.2	25
28.4	29.3	28.7	**29.4**	27.7	25.8	25	24.5	24	23.6	23.3	**22.8**	25.4
30.6	31.1	**31.7**	30.5	28.5	27.2	26.4	25.4	25.2	24.8	24.5	24.1	26.3
32.3	32.4	**32.5**	31.2	28.8	27.5	26.5	26	25.7	25.1	24.8	24.4	**26.9**
30.8	31.1	**31.3**	31.2	29	26.4	25.1	24.4	23.5	23.9	23.4	**23.1**	26.3
30.3	28.8	24.8	29.2	27.6	25.8	25	24.7	24.7	24.4	23.8	23.1	25.2
29.4	29	29.4	29.1	28.1	26.8	26.1	25.6	24.9	24.9	24.6	24.2	25.8
30.3	**30.5**	30.2	28.7	27.2	26.2	25.7	25.5	25.2	25.2	24.8	24.1	26.2
29.7	30.1	30.4	**30.7**	28.4	26.7	26.1	26	25.4	24.7	24.4	24.4	26.1
30.2	**30.6**	30.4	30	27.3	24.3	24.5	24.4	24.5	24.5	24.4	24.5	26.3
29.4	29.7	**30.2**	28.9	26.7	25.9	25.8	26	25.6	25.2	25	24.8	26.4
30.2	30.3	**30.4**	29.9	28	26.6	26.3	25.9	25.4	25.2	24.8	24.6	26.6
29.2	**30.1**	29	28.2	27.4	25.6	24.7	24	23.7	**23.6**	23.8	23.8	26
29.5	30.1	**30.3**	29.2	27.6	25.7	24.9	23.9	24.1	23.6	23.1	22.8	25.4
29.1	28.5	29.3	28.5	26.8	25.7	25	24.5	23.7	23.2	22.8	**22.4**	25.5
29.8	29.2	28.9	27.1	27	25.7	25.1	24.8	24.2	23.6	23.8	24	25.2
30.1	25.5	26.9	27.1	26.1	25.7	24.8	24.3	24	24.3	24.4	24.9	25.5
24.1	23.8	23.9	23.8	23.6	23.4	23.4	23.3	23.3	23.1	**22.8**	23.2	23.9
31.4	31.6	31.2	28.5	27.8	26.6	25.8	25.2	25	24.6	24.1	24.9	26.4
29	28	**29.8**	28.4	27.7	26.3	25.8	25.5	25.1	25.1	25	24.7	26.1
29.3	**29.6**	**29.6**	28.6	27.7	26.4	25.7	25.3	25.1	25.2	25	24.9	26.1
27.9	**28.2**	27.8	26.7	25.9	24.9	24.3	24	23.5	22.9	22.3	**22.2**	25.2
28.2	27.8	27.8	27.4	26	24.9	24.7	24.3	24.2	24.1	24	23.9	25
27	25.3	26.7	**27.6**	25.5	24.4	23	22.4	22	21.8	21.2	**21**	24.1
28.1	**28.5**	26.9	27.2	25.1	22.8	21.8	21.6	21.4	20.7	20.2	**20.1**	**23.4**
29.5	29.4	29.3	27.6	26	23.9	23.1	22.7	22.8	22.8	22.6	22.6	24
26.4	26.4	26	25.5	25.3	25.1	24.9	24.6	24.4	24.2	24.1	24	24.3
31.2	29.8	29.3	29.3	27.4	26.2	25.3	24.8	24.3	24.1	23.6	**23.5**	26
28.4	27.8	27.4	28.6	27.1	25.7	24.8	24.2	23.9	23.7	23.7	**23**	25.5
28.6	28.5	27.3	27.8	26.4	25.4	24.7	23.9	23.9	23.5	23.6	23.6	24.8
29.2	29	28.8	28.4	26.9	25.6	24.9	24.5	24.2	24	23.7	23.6	25.5

RELATIVE HUMIDITY (%)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	96	**97**	96	96	95	96	96	88	78	72	**71**	**71**
2	**97**	**97**	**97**	**97**	**97**	**97**	94	88	81	79	77	76
3	97	96.5	**98**	96	97	97	94	80	73	70	73	68
4	94	96	**97**	**97**	96	96	94	79	70	70.5	64	62
5	91	93	94	**97**	96	96	95	88	81	80	78	77
6	91	94	96	95	95	95	89	78	68	70	67	**64**
7	94	94	**96**	95	95	**96**	93	76.5	74	**66**	75	81
8	94	96	**97**	**97**	**97**	**97**	93	78	76	75	75	68
9	91	**96**	**96**	**96**	**96**	**96**	91	80	78	77	75	72
10	94	94	96	94	94	96	91	79	77	75	74	72
11	**97**	96	96	**97**	**97**	**97**	**97**	87	82	83	79	76
12	91	94	94	95	**96**	95	93	86	80	81	81	73
13	91	95	94	95	**96**	92	92	79	80	77	80	75
14	89	89	92	94	**96**	**96**	90	82	78.5	75	69	69
15	89.5	89	**91**	84	86	89	80	70	66	60	64	69
16	91	92	88.5	93	92	**94**	93	81	74	66	70	70
17	**95**	93	94	**95**	**95**	**95**	92	85	77	70	**63**	70
18	**83**	87	87	86	89	88	88	94	93	92	88	**91**
19	97	97	**98**	**98**	**98**	**98**	95	83	75	76	66	65
20	**97**	95	94	**97**	**97**	96	94	81	77	76	75	74
21	95	95	95	**96**	94	**96**	95	80	77	80	75	76
22	93	94	96	96	**97**	96	95	80	79	79	80	76
23	92	**94**	93	92	91	93	89	81	76	71	68	**67**
24	94	97	97	96	**98**	**98**	**98**	96	85	79	76	74
25	**91**	89	85	87	88	88	81	80	68	68	60	61
26	91	90	87	88	89	90	91	80	70	66	63	59
27	**96**	**96**	**96**	**96**	95	94	94	92	85	82	91	**80**
28	96	96	**97**	**97**	**97**	96	96	95	83	79	75	**66**
29	95	95	96	91	94	94	95	83	82	86	81	**68**
30	93	96	**97**	96	96	**97**	96	96	96	94	89	83
Mean	93.2	94.1	94.4	94.3	94.6	**94.8**	92.5	83.5	78	75.8	74.1	71.8

VAPOR PRESSURE (mm)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	**21.7**	20.8	20.3	19.9	**19.6**	19.7	20.2	20.8	21.3	20.7	21.2	20.9
2	**20.4**	20.3	20.3	20.3	20.3	20.2	20.2	20.8	20.5	21.3	21.7	21.9
3	19.8	19.5	19.6	**19.1**	**19.1**	**19.1**	19.7	20.8	21.5	21.6	21.1	22.2
4	20.6	20.4	20.3	19.9	19.6	19.4	20.1	**21.7**	21	**21.7**	20.3	20.1
5	20.8	20.8	20.6	20.6	20.6	20.6	21	21.6	23	22.9	**23.2**	22.9
6	17.9	17.8	18	17.8	**17.5**	**17.5**	17.8	18.9	19.5	21	20	20.1
7	19.5	19.1	18.9	18.6	18.5	**18.4**	18.6	19.7	20.7	21.2	21.5	21.8
8	20.6	20.4	20.5	20.3	20	**19.9**	20.7	20.5	20.9	21.3	21.8	21.9
9	19.8	19.9	19.7	19.1	18.8	**18.7**	18.9	20.7	21.8	21.7	21.5	21.7
10	21.1	20.6	20.8	**20.5**	20.6	20.6	20.7	21.9	22.5	22.4	22.8	22.6
11	21.7	21.6	21.4	**21.2**	**21.2**	21.3	21.7	23.1	22.7	23.1	**23.8**	23
12	21.1	21.3	21.5	21.3	21.1	**20.4**	20.9	22.2	22.6	22.7	22.7	22.8
13	20.8	21.4	21.3	21	20.8	20.2	21.1	21.8	21.9	22	22.5	22.9
14	19.3	19.2	19.1	19.1	19.2	18.8	18.7	18.9	19.6	**20.2**	20.1	**20.2**
15	18.6	18.5	18.3	17.9	18.1	18	**17.6**	17.9	17.8	18.2	**19.9**	19.4
16	18.2	17.9	**17.8**	18	**17.8**	**17.8**	18.3	18.8	19.6	19.3	20.5	19.5
17	20.4	20	19.8	19.5	19.4	**19.3**	19.7	19.8	20.2	21.2	20.6	**21.9**
18	**19.3**	19.6	19.7	19.8	20.4	20	19.9	20.3	20.4	20.4	20.3	20.8
19	20.5	20.2	20.1	19.9	**19.6**	19.8	20.9	21.8	21.5	22.4	**22.9**	22.1
20	21	21.1	21.2	20.6	20.6	20.8	21.5	20.7	**20.4**	21	21.5	21.5
21	21.7	21.1	20.5	20.3	20.1	**19.9**	20.5	20.7	21.1	21.4	21.9	**22.7**
22	**21.7**	21.5	21.6	20.9	21	20.8	20.9	20.6	21.2	20.5	20.8	20.4
23	18.5	18.6	18.7	18.5	**18.3**	18.7	18.6	18.8	19.1	19.4	20	20.2
24	20.6	20.7	20.6	20.3	20	20	20.8	**21.2**	20.3	19.5	19	19.3
25	16.6	16.2	16	16.1	17.3	16.2	16.2	**17**	16.3	16.7	16.1	**17.4**
26	15.9	15.5	15.5	15.5	15.3	**15.2**	16	17.1	18	18.1	18.1	17.7
27	19.2	19.2	19.2	19.2	**18.8**	**18.8**	19	19.2	19.3	20.8	21.9	21.5
28	21.1	20.9	20.9	20.7	20.9	**20.6**	21.1	22.1	21.9	22.2	22.9	22
29	21	21	21.1	**20**	20.2	20.1	20.8	21.2	21.7	21.8	21.9	21.3
30	**19.9**	20.1	20.3	20.2	20.3	20.3	20.6	20.6	20.7	21.3	22.1	22.1
Mean	20	19.8	19.8	19.5	19.5	**19.4**	19.8	20.4	20.6	20.9	21.2	21.2

RELATIVE HUMIDITY (%)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
73	86	74	90	94	96	96	95	**97**	96	**97**	**97**	89.3
78	77	75	72	**67**	80	87.5	88	90	91	**94**	96	86.4
67	68	**62**	68	74	77	82	88	89	92	**94**	94	83.1
52	**52**	55	62	72	75	82.5	84	85	89	**91**	92	79.5
66	65.5	**64.5**	66	74	80	83	86	90	83	84	85	83
66	77	**97**	78	85	91	90	89	91	91	92	96	85.2
71	78	76	76	81	85	89	90	93	94	94	95	85.7
68	**65**	67	75	82	88	91	89	91	89	91	92	84.6
68	67.5	**65**	**65**	79	85	86	86	87	92	95	92	83.8
70	**70**	71	73	80	**97**	96	96	**97**	**97**	**97**	**97**	86.5
74.5	72.5	**68**	74	89	93	93	91	94	96	96	93	88.2
71	70	**69**	75	82	86	87	88	89	90	92	92	85.4
76	73	**77**	**72**	74	81	85	88	90	90	88	87	84.5
65	64	**59**	66	70	78	78	83	82	85	89	89	80.3
63	62	**59**	61	71	73	77	80	85	87	89	90	**76.4**
60	66	69	78	83	88	88	87	89	93	92	92	82.9
67.5	88	82	80	87	88	89	90	93	91	87	83	85.4
96	96	95	96	96	97	97	97	97	**99**	**99**	97	**92.8**
64	65	**62.5**	77.5	82	86	88	89	92	92	93	87	84.3
72	75	**70**	81	84	90	93	92	93	93	94	96	86.9
74	**70**	71	75	81	86	88	89	92	92.5	93	93	85.8
74	**70**	75	72	**75**	79	83	84	85	89.5	93	93	84.7
74	75	73.5	76	84	91	87	87	88	88	90	90	83.8
75	88	77	**69**	72	76	84	84	85	87	91	89	86
60	**58**	62	59	67	78	84	81	83	87	**91**	**91**	77
57	59	59	66	67	78	84	86	88	89	93	**94**	78.5
86	89	89	89	92	91	92	92	93	94	95	95	91.4
66	75	74	72	81	88	92	92	94	95	96	**97**	87.3
78	83	82	77	84	90	91	92	91	92	94	**97**	88
80	**80**	83	82	85	85	92	96	96	96	**97**	**97**	91.6
70.4	72.8	72.1	74.1	79.8	85.2	87.8	88.6	90.3	91.3	92.7	92.6	84.9

VAPOR PRESSURE (mm)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
21.4	**23.6**	20.9	20.9	21.5	21.6	20.9	20.6	20.5	20.3	20.4	20.4	20.8
22.4	**23.4**	21.8	22.1	**18.4**	19.7	20.6	20.1	19.9	19.8	20	19.7	20.7
21.7	**22.8**	21.6	22.2	21.4	20.6	20.9	21.3	21.2	21.5	21.5	21	20.9
18.8	19	19.9	20.9	21.2	20.4	21.2	21	20.9	21.1	21.1	21	20.5
21.8	22	21.9	22.2	22	20.5	19.6	19.4	19.3	18.3	**17.9**	**17.9**	20.9
21.1	22.6	22.5	**23.4**	23.3	22.4	21.2	20.6	21	20.6	20.2	20.1	20.1
21.6	**23.1**	23	22.7	22.9	22.2	22.5	22	21.8	22	21.6	21.3	21
21.7	21.1	21.3	22.1	21.9	22.2	**22.3**	21.7	21.6	21.2	21.1	20.6	21.2
21	21.4	21	21.4	**22.7**	22.1	21.7	21.5	20.9	21.4	21.6	21	20.8
22.4	23	22.8	**23.1**	21.5	22	21.9	21.7	22	22	21.9	22.3	21.8
22.6	22.4	21.6	21.9	23.1	23	22.8	22.7	22.9	22.8	22.5	21.7	**22.3**
22.5	22.3	22.3	**23.6**	22.9	22.3	22.1	21.8	21.5	21.4	21.3	21.1	21.9
23	**23.3**	22.9	20.5	20.1	19.8	19.6	19.5	19.5	19.4	19.3	**19.1**	21
20	**20.2**	18.9	19.8	19.4	19.2	**18.2**	18.3	18.4	18.3	18.6	18.5	19.2
18.8	17.9	17.9	17.7	18.5	17.9	18.2	18.3	18.6	18.4	18.3	18.2	18.3
18.6	19.9	20.3	20.8	**21.9**	21.5	20.9	20.3	19.9	20.1	20.2	20.4	19.5
21.4	21.3	21.6	21.2	21.8	21.5	20.7	20.3	20.7	20.6	19.8	**19.3**	20.5
21.4	20.9	20.9	20.9	20.7	20.6	20.6	20.7	20.7	20.8	20.4	20.4	20.4
21.8	22.5	21.1	22.4	22.8	22.2	21.9	21.2	21.7	21.1	20.8	20.3	21.3
21.5	21.1	21.8	**23.3**	**23.3**	22.9	23.1	22.2	22.1	22.1	22.1	22.2	21.6
22.5	21.5	21.9	21.7	22.3	22	21.5	21.4	21.9	22	22	21.8	21.4
20.6	20	20.8	18.8	18.7	18.4	18.8	18.6	**18.2**	18.6	18.6	18.5	20
20.9	20.8	20.4	20.6	21	**21.2**	20.2	19.7	19.8	19.6	19.9	19.8	19.6
20	21	19.9	19	17.5	17.3	17.6	17	16.7	16.8	17	**16.5**	19.1
17	16.8	16.3	15.7	16	16	16.3	**15.6**	15.7	15.8	15.9	15.8	**16.3**
17.4	17.9	17.8	18.1	16.8	17.2	17.6	17.6	18.1	18.5	18.9	**19.1**	17.2
22	**22.7**	22.3	21.7	21.9	21.5	21.4	21.1	21.2	21.1	21.1	21	20.6
22.4	**23.5**	22.3	21.9	22.1	22.2	21.9	21.5	21.2	21.1	20.7	20.7	21.6
22.4	**23.1**	22.2	22.3	22.4	22.1	21.1	20.7	20.1	20.1	20.5	20.2	21.2
23.1	23	22.3	22.8	21.7	20.6	21.2	21.1	21.1	20.6	20.9	20.9	21.2
21.1	**21.5**	21.1	21.2	21.1	20.8	20.6	20.3	20.3	20.2	20.2	20	20.4

CLOUDS—FORM AND DIRECTION

Day.	8 a.		9 a.		10 a.		11 a.		Noon.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	A.-Cu.	S.-Cu.	Ci.	S.-Cu.	Ci.	Cu. ESE	Ci.	Cu. ESE	Ci.	Cu. ESE
2	A.-Cu. SE	Cu.	A.-Cu. SE	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu. ESE	Ci.-S	Cu.
3	Ci.	Cu.	Ci.	Cu.	....	Cu.	Ci.	Cu.	Ci.	Cu.
4	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu.
5	A.-Cu.	S.-Cu. ESE	A.-Cu.	S.-Cu.	A.-Cu.	Cu. E	....	Cu. E	....	Cu. E
6	A.-Cu.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	A.-Cu.	Cu.
7	A.-Cu.	S.-Cu.	A.-Cu.	S.-Cu.	A.-Cu.	Cu. SE	A.-Cu.	Cu.-N. ESE	....	Cu.-N. ESE
8	A.-Cu.	Cu.	A.-Cu.	Cu.	A.-Cu.	Cu.	A.-Cu. E	Cu.	A.-Cu.	Cu. E
9	Ci.-S.	S.-Cu.	Ci.	S.-Cu.	Ci.-S.	Cu. E	Ci.-S.	Cu.	Ci.-S.	Cu.
10	A.-Cu.	Cu.	A.-Cu.	Cu. NNE	A.-Cu.	Cu.	Ci.	Cu.	Ci.	Cu.
11	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu.	Ci.	Cu.	....	Cu.
12	Ci. WNW	Cu.	Ci.	Cu. N	Ci.	Cu. ENE	Ci.	Cu. NE	Ci.	Cu.
13	A.-Cu.	S.-Cu.	A.-Cu.	S.-Cu. E	A.-Cu.	Cu. E	Ci.-S.	Cu.-N. ENE	A.-Cu.	Cu.
14	Ci.-S. W	S.-Cu.	Ci.-S.	Cu.	Ci.-S. SSE	Cu.	Ci.-S. SE	Cu.	Ci.-S.	Cu. NNE
15	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.
16	Ci.-S. S	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu. NE	A.-Cu.	Cu. NE
17	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	A.-Cu.	Cu.
18	....	N.	....	N.	....	N.	Ci.-S.	Cu.-N. N	....	N.
19	Ci.	Cu.	Ci.	Cu. ESE	Ci.	Cu. ESE	Ci.	Cu. ESE	Ci.	Cu. E
20	A.-Cu.	Cu. E	A.-Cu.	Cu. E	A.-Cu.	Cu. E	A.-Cu.	Cu.	A.-Cu.	Cu. E
21	Ci.	Cu.	Ci.	Cu.	....	Cu. E	Ci.	Cu. ESE	Ci.	Cu.
22	A.-Cu.	Cu. SE	A.-Cu.	Cu.-N. SE	A.-Cu.	Cu.-N. SE	Ci.	Cu.-N. SE	Ci.-S.	Cu.-N. SE
23	A.-Cu.	S.-Cu.	A.-Cu. NW	Cu.	A.-Cu. NW	Cu.	A.-Cu.	Cu.	A.-Cu.	Cu.
24	....	S.-Cu.	....	S.-Cu.	Ci.-S.	Cu. SE	Ci.-S.	Cu.-N.	Ci.-S.	Cu.
25	Ci.-S.	N. E	Ci.	Cu.-N. E	Ci.-S.	Cu. E	Ci.-S.	Cu. ENE	Ci.-S.	Cu.
26	Ci.	Cu.	Ci.	Cu.	....	Cu.	Ci.	Cu.	....	Cu.
27	....	N. E	Ci.-S.	S.-Cu.	Ci.-S.	S.-Cu.	....	N.	....	Cu. E
28	Ci.-S.	Cu.-N. ESE	Ci.-S.	Fr.-Cu. SSE	Ci.-S.	Cu.	A.-Cu.	Cu. SE	A.-Cu. WSW	Cu. E
29	Ci.	S.-Cu.	....	Cu.-N. E	A.-Cu.	S.-Cu. E	A.-Cu.	Cu. E	A.-Cu.	Cu.
30	....	N.	Ci.-S.	N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N. NE

Day.	1 p.		2 p.		3 p.		4 p.		5 p.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	Ci.	Cu. ESE	Ci.-S.	Cu. ESE	A.-Cu.	N.	A.-Cu.	N.	Ci.-S.	N.
2	....	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.	Ci.-S.	Cu.
3	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu.
4	Ci.	Cu.	Ci.	Cu.	....	Cu.	....	Cu. ESE	....	S.-Cu.
5	A.-Cu.	Cu. E	A.-Cu.	Cu.	Ci.	Cu. E	Ci.	Cu.	Ci.-S.	Cu.
6	A.-Cu.	Cu.	....	Cu.-N. ENE	A.-Cu.	Cu.-N. E	Ci.-S.	Cu.	Ci.	S.-Cu.
7	....	Cu.-N. ESE	A.-Cu.	Cu. SE	A.-Cu.	Cu.-N.	A.-Cu.	Cu. SE	A.-Cu.	Cu.-N. E
8	A.-Cu.	Cu. E	Ci.	Cu. E	A.-Cu.	Cu.-N.	A.-Cu.	Cu.-N.	A.-Cu.	S.-Cu.
9	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E	Ci.	Cu. E	A.-Cu.	Cu.
10	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	....	Cu.-N.
11	....	Cu.	A.-Cu.	Cu. N	Ci.-S.	Cu.-N.	A.-Cu.	N.	Ci.-S.	Cu.-N.
12	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
13	A.-Cu.	Cu.	A.-Cu.	Cu. NE	A.-Cu.	Cu. NE	A.-Cu.	Cu.	Ci.-S.	S.-Cu.
14	Ci.-S.	Cu. NNE	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. NNE	Ci.	Cu.
15	Ci.	Cu.	Ci.-S.	Cu. E	Ci.-S.	Cu.	Ci.-S.	S.-Cu.	Ci.-S.	S.-Cu.
16	Ci.-S.	Cu. ENE	A.-Cu.	Cu. ENE	A.-Cu.	Cu. ENE	Ci.	Cu.-N.	Ci.	S.-Cu.
17	A.-Cu.	Cu.	Ci.-S.	N.	Ci.-S.	Cu.-N.	Ci.	Cu.-N.	Ci.-S. S	Cu.-N.
18	....	N.	....	N.	....	Fr.-N. NNE	....	N.	....	N. ESE
19	Ci.	Cu. E	Ci.-S.	Cu. ESE	Ci. W	Cu.	Ci.-S.	Cu.	Ci.-S.	Cu.-N.
20	A.-Cu.	Cu.	A.-Cu.	N. ESE	Ci.	Cu. SE	A.-Cu.	Cu. SE	Ci.-S.	Cu.
21	....	Cu.	Ci.-S. SE	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.
22	Ci.-S.	Cu. E	Ci.-S.	Cu. E	Ci.-S.	Cu.-N. E	Ci.	Cu. ESE	Ci.	S.-Cu.
23	....	Cu.	Ci.-S.	S.-Cu.	A.-Cu. NW	Cu.	A.-Cu. NW	Cu.	A.-Cu.	Cu.
24	....	Cu.	....	N. E	A.-Cu. N	Cu.	A.-Cu.	Cu.	Ci.	S.-Cu.
25	....	Cu. ENE	Ci.	Cu.-N. E	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.
26	....	Cu.	Ci.	Cu. NE	Ci.-S.	Cu. ENE	Ci.-S.	Cu. ENE	Ci.	Cu.
27	....	S.-Cu. E	....	S.-Cu. ENE	....	Cu. E	....	S.-Cu. E	....	Cu. E
28	A.-Cu.	Cu. E	Ci.	Cu.-N. ESE	A.-Cu.	Cu. ESE	Ci.	Cu.	Ci.	S.-Cu.
29	A.-Cu.	Cu.	A.-Cu.	N. E	Ci.-S.	Cu.-N. E	A.-Cu.	Cu. E	Ci.-S.	Cu.
30	A.-Cu.	Cu. E	Ci.	Cu.-N. E	Ci.-S.	Cu.-N. ESE	Ci.-S.	Cu.	Ci.-S.	Cu. ESE

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	Calm	NNE 0.5	Calm	Calm	NNE 1	Calm	Calm	NNW 2	N 0.5	NW 0.5	NW 3	WNW 2
2	NE 0.5	NE .5	NE 1	NE 1	Calm	Calm	Calm	Calm	NW .5	Calm	Calm	W 1
3	Calm	Calm	Calm	Calm	Calm	Calm	ENE 0.5	N 2	NE 2.5	N 2	N 3.5	ENE .5
4	Calm	E .5	NE 1	NE 1.5	NE 1	NE 0.5	Calm	Calm	Calm	W 2.5	WSW .5	Calm
5	NE .5	NE .5	Calm	N 1	NE .5	Calm	Calm	Calm	WNW .5	WNW .5	WNW 3.5	NW 2.5
6	Calm	N .5	NE 1.5	NE 1	N 1.5	NNE .5	ENE .5	NNE 1	NNE .5	WSW 1.5	W 3	WNW 1.5
7	Calm	NE 1	N 1	NE .5	E .5	Calm	Calm	Calm	WSW .5	ENE 1	WNW 2.5	WNW 1.5
8	Calm	NE .5	NNE 1	Calm	NNE .5	Calm	Calm	Calm	W 1	SW 1.5	W .5	SSW .5
9	N .5	ENE .5	Calm	Calm	Calm	NE .5	NE .5	Calm	SW 1	SW 2	WNW 3	W 4
10	SE .5	E .5	Calm	NE 1	NE .5	ENE 1	EbyN .5	E .5	SW .5	WSW 4	W 3.5	WNW 4
11	E .5	Calm	Calm	Calm	Calm	Calm	EbyN .5	Calm	Calm	W 1	W 2	WSW 1.5
12	NE 2	N .5	NE 1	N 1	NE 1	EbyN 1	E .5	Calm	WNW .5	WNW 1	W 1	WSW 1
13	Calm	NE .5	NE .5	N .5	NE 1	NNE 1.5	NNE 1	NNE .5	NNE .5	Calm	SE 1	S 1.5
14	N 1.5	NE 2	NE 1	N 1	NE 1	NE .5	NE 1	NNE 1	Calm	NNE 1	NNE .5	NW 1.5
15	NE 1	Calm	Calm	N 1.5	NE .5	NE 1	NNE 1.5	NE 1.5	NNE 2	NNE 1.5	NNW .5	W 3
16	NE 1	Calm	NNE 1	NE 1	NNE 1	NNE .5	ENE 2	NNE 1	Calm	Calm	W 3	NW 2
17	N 1	N 1	N .5	Calm	Calm	Calm	NbyW 1.5	NNE .5	NE .5	NNE 1	N 2	WNW .5
18	NNW 3	NNW 4	NNW 3	NNW 6	NNW 3.5	NNE 3	NNE 2	N 2	N 3.5	N 2.5	N 5	N 1
19	E 1.5	Calm	NE 1	NE 1.5	NE 1.5	N 1	Calm	Calm	WNW 1	Calm	E 2	ENE 1
20	Calm	E 1	NE 1	NE 1.5	Calm	Calm	N .5	NW 3	WNW .5	W .5	SSW 1	WSW 1
21	NE .5	NNE 1	N 1	NE 1	Calm	Calm	Calm	Calm	WNW .5	W .5	W 1.5	WSW 1
22	Calm	NNW .5	Calm	Calm	E 1.5	ENE .5	Calm	WSW .5	ESE .5	WNW .5	WNW 2.5	N .5
23	Calm	Calm	Calm	Calm	Calm	Calm	Calm	E .5	ESE 1	SSE 1	SSE 1.5	SE .5
24	Calm	N .5	Calm	NNE 1.5	NE 1	NE .5	NE .5	Calm	Calm	W .5	WNW 2	WNW 2
25	E 1	N 1	NNW 2	N 1.5	NNE 1	N .5	NNE 1.5	Calm	Calm	N .5	NE .5	N 2
26	Calm	N 1.5	N 1.5	NE 1.5	NE 1.5	NE .5	NE .5	Calm	NE .5	N 1	WNW .5	Calm
27	NNE 2	NNW 2	N 1.5	NNE 3.5	NNE 2	NE 2.5	NNE .5	N .5	NW 2	N 2.5	NE 1	N 1.5
28	Calm	Calm	NNE .5	NNE 1	Calm	N 1	Calm	SE .5	NE .5	Calm	E .5	ESE 3
29	S .5	Calm	Calm	N 1.5	Calm	Calm	Calm	Calm	Calm	Calm	Calm	WNW 1
30	NNE 1	N .5	Calm	N .5	N 1.5	NE 3	N 2	Calm	N 1.5	NW 1	SSE .5	WNW 1
Mean	0.6	0.7	0.7	1.1	0.8	0.6	0.6	0.6	0.8	1	1.7	1.5

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
1	NW 3.5	NW 1	NNE 2	NE 2	Calm	NE 1.5	NE 1.5	ENE 1	Calm	Calm	Calm	Calm	0.9
2	WSW 1	Calm	Calm	Calm	ENE 1.5	Calm	Calm	Calm	Calm	Calm	Calm	Calm	.3
3	N 3	ENE .5	SW .5	ENE .5	NE 2	NE 1	NE 1	Calm	Calm	Calm	Calm	Calm	.8
4	E 3	E 1	ENE 3	SSE 2	NE .5	N .5	NE .5	NE 1.5	NE 1.5	NE 1	NE 1	NE 1	1
5	W 3.5	SW 1	W 1.5	W 1	Calm	ENE 1	NE 1	NE 1	E 1.5	E 1.5	NE 1.5	N 2	1.1
6	NW 2.5	NE 1	WSW 1	Calm	Calm	Calm	Calm	NE 1.5	E .5	NE .5	Calm	Calm	.8
7	NW 2	NW 1.5	W .5	W 1	Calm	NNW 2.5	NNW .5	NE .5	Calm	N .5	NE .5	NNE .5	.8
8	SSW 2	Calm	NNW .5	Calm	Calm	Calm	Calm	Calm	Calm	Calm	W .5	NNE .5	.4
9	WSW 4	WSW 2	WSW 2.5	WSW 1.5	WSW .5	Calm	SW 2	S 1	SSE .5	Calm	Calm	SSW 1.5	1.1
10	WNW 1.5	WSW 3.5	SW 5	SW 5.5	ENE 3	E .5	SSE 3	ESE 1	E .5	N 1	SW 2	S .5	1.8
11	W 2	WNW 1.5	W 2	N .5	Calm	Calm	ENE 1	NE 1.5	NE 1	Calm	NE 1	NE 1	.7
12	W 1.5	SW .5	Calm	Calm	Calm	SSE .5	Calm	E 1.5	SE 1.5	E 1	N .5	Calm	.7
13	S 2	WNW 1	SW 1	E 1	E 1.5	ENE 1	Calm	Calm	N .5	Calm	Calm	N 1.5	.8
14	NW 1.5	WNW 2	NNE 2.5	ENE 1.5	ENE 1.5	NNE .5	Calm	NNE 1.5	NE 1.5	NE 1	NE 1	NNE 1	1.1
15	NE 3	N 7	N 1.5	NE 2.5	N 2	N 1	NNE 1	N 2	Calm	Calm	Calm	N .5	1.4
16	W 2.5	SSW 1	Calm	Calm	Calm	Calm	NE .5	Calm	Calm	Calm	Calm	Calm	.7
17	WNW 2.5	SSE 3	S 2	SSE .5	Calm	SW .5	Calm	Calm	Calm	Calm	NNE 1.5	NNW 3	.9
18	N 2.5	N 2	NNE .5	Calm	ENE 1.5	ENE 1.5	ENE 2	NE 1.5	NE .5	NE .5	ESE 1.5	E 1.5	2.2
19	SE 5.5	ESE 1	ESE 2.5	W .5	N 1	Calm	Calm	Calm	Calm	E 1	Calm	Calm	.9
20	SW 2.5	N 2.5	NW 1	Calm	Calm	Calm	Calm	Calm	Calm	SE 1.5	Calm	Calm	.7
21	WSW 2.5	WSW 3	W 2	SW .5	W 1	NE 1.5	NE 1	NE 2	Calm	S 1	Calm	Calm	.9
22	S 1.5	Calm	Calm	E 1	ESE 2	ESE 1.5	SE 1.5	E 1.5	E 1.5	NE 1	Calm	Calm	.8
23	SE 1.5	ESE 1	E 2	NNE 2.5	Calm	Calm	SE 2	SE 3.5	SSE 2.5	SE 2	SE 1.5	SE 1	1
24	WNW 1.5	SE .5	SE 1	Calm	N .5	ENE .5	Calm	Calm	Calm	Calm	Calm	Calm	.5
25	WNW .5	NE .5	Calm	E 2.5	NE .5	Calm	Calm	NE 1	E 1	Calm	N .5	Calm	.8
26	SSW 2	SW 1.5	SW .5	Calm	NE .5	NE 1	Calm	N 1	NE .5	NE .5	NE .5	NNW 1.5	.8
27	NW 3.5	NNW 2	NNW 2	NNE .5	NNW .5	N .5	NNE 2	N 1	Calm	N .5	Calm	Calm	1.4
28	ESE 1.5	NNW 1	ESE .5	ESE 1.5	ESE 1	Calm	Calm	Calm	Calm	N .5	Calm	Calm	.5
29	WNW .5	W 1	W 2	Calm	WNW .5	ENE .5	ENE 1	Calm	NNE 1	NNE .5	Calm	Calm	.4
30	NNW 1.5	NNW 1	NE .5	N 1.5	N 2	NNE 3	E 2	NE .5	E 1.5	N 1.5	Calm	Calm	1.1
Mean	2.3	1.5	1.3	1	0.8	0.7	0.8	0.9	0.6	0.6	0.4	0.6	0.9

WIND—VELOCITY IN KILOMETERS PER HOUR

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	0	0.5	2.5	4	5	4	1	1	3	4	12	10.5
2	1	3	1.5	4	0	1.5	2	1	1.5	1	4	9
3	.5	.5	.5	.5	1	1	2	6	8	11	9	6.5
4	.5	1	2	3.5	3	2.5	1	.5	0	4.5	11	9
5	3	0	0	0	0	0	.5	1.5	3	6	13.5	12.5
6	4	0	0	4.5	4.5	4	3	3	2.5	3.5	9	10
7	1.5	1.5	2	2	1	0	1	.5	3.5	8	7.5	11.5
8	2	.5	.5	1	1.5	0	0	1	1	7.5	9.5	7
9	0	0	0	0	0	0	1.5	0	.5	3	12	12.5
10	3	3	1.5	3.5	3	2.5	3	3.5	3	8.5	13	18.5
11	8	15	5.5	3	3.5	2.5	3.5	3	4.5	5.5	20.5	11.5
12	4.5	2	.5	0	.5	3	.5	0	0	5	9	10
13	0	.5	2.5	1	4	3.5	1	.5	1.5	5.5	4.5	6.5
14	4	4	3.5	2.5	2.5	2	3.5	2.5	3.5	2	5	6
15	2	2	1	3	5	2	5	7	10	14	16	11
16	4	2.5	2.5	3	2.5	3	2	5	6.5	6.5	6	8.5
17	3	2	2	.5	.5	0	1	.5	3.5	7	11	12.5
18	15	12.5	15.5	18	17	13.5	14.5	9	11	9	16.5	13
19	5	5	3.5	4.5	3	4	2	4	6	5	6	16.5
20	0	2.5	4.5	6	2	2	0	2	5	6	8	9.5
21	2.5	3.5	3	4	2.5	1.5	1	3	3	7	12.5	11
22	4.5	3	3	3	2	3	1	2	5	3	8.5	3
23	1.5	.5	.5	1	1.5	2	1.5	3	5	4.5	8	10
24	3	1	3.5	5.5	3	1	2	2	1	3	9	10.5
25	.5	.5	2	7	4	4	3.5	3	.5	3	4	5.5
26	2	3	7	5	6	7	6	5	4	4	4	3
27	9	10	7.5	9.5	9.5	8.5	7.5	7.5	9	7	12	7
28	2.5	2	7	3	5	1	4.5	1.5	.5	1.5	7	11
29	3	1.5	1.5	3.5	.5	3	1.5	2	4	1.5	4.5	3
30	3.5	3	2	1.5	2	2.5	4	2	1.5	1	3	7
Mean	3.1	2.9	3	3.6	3.2	2.8	2.7	2.8	3.7	5.3	9.2	9.4

AMOUNT OF CLOUDS (0-10)

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.	
														h.	*m.*
1	9	9	6	7	6	6	6	6	10	10	10	10	7.9	4	35
2	6	6	7	8	9	9	9	9	7	7	7	7	7.6	1	10
3	5	3	3	4	6	3	4	2	2	3	2	6	3.6	8	40
4	3	0	0	1	2	2	2	3	2	4	5	3	2.2	9	10
5	6	5	2	4	6	3	3	2	2	1	1	0	2.9	7	30
6	2	1	1	1	2	7	6	9	5	3	4	1	3.5	7	50
7	2	3	2	8	7	8	6	7	3	8	8	9	5.9	7	45
8	2	1	1	3	5	5	5	4	4	4	4	6	3.7	7	45
9	3	4	4	6	5	7	5	4	3	5	5	2	4.4	9	40
10	2	1	2	2	3	3	3	3	4	6	9	10	4	8	35
11	4	4	4	4	4	4	4	4	6	9	5	4	4.7	9	35
12	6	4	8	8	9	7	6	5	7	6	6	5	6.4	5	45
13	6	7	9	9	10	7	7	9	9	9	9	5	8	3	50
14	5	9	10	10	9	9	8	6	6	6	5	4	7.2	3	15
15	6	5	7	9	9	9	8	10	9	10	9	9	8.3	2	55
16	8	7	7	6	6	9	7	8	9	9	7	5	7.3	5	35
17	4	3	5	4	4	6	6	10	10	9	8	7	6.3	4	15
18	10	10	10	10	10	10	10	10	10	10	10	10	10	0	00
19	6	4	6	7	5	6	6	5	5	9	9	9	6.4	7	45
20	6	7	8	9	5	7	5	6	4	4	7	5	6.1	5	30
21	2	2	2	4	4	5	4	5	5	7	6	7	4.4	8	00
22	7	9	9	9	9	9	8	9	8	7	7	6	8.1	1	00
23	9	8	8	7	7	9	10	10	9	7	7	5	8	1	45
24	7	9	9	10	9	10	9	10	7	6	8	5	8.2	0	00
25	9	7	10	9	9	4	9	7	5	3	2	1	6.2	3	30
26	2	1	2	3	3	3	3	2	3	3	1	1	2.2	7	50
27	9	9	9	9	10	8	9	10	10	10	10	10	9.4	0	45
28	9	9	8	9	9	9	9	8	8	7	6	4	7.9	4	00
29	8	4	9	7	7	8	8	9	10	4	4	4	6.8	3	50
30	9	10	10	10	8	10	8	8	8	8	8	8	8.8	2	00
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	153	45
Mean	5.7	5.4	5.9	6.6	6.6	6.7	6.4	6.7	6.3	6.5	6.3	5.6	6.2	5	08

WIND—VELOCITY IN KILOMETERS PER HOUR

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
12	7.5	8	7.5	7	7.5	10	3.5	1	1	2	1	4.8
6	5	4	6	**11**	1	0	0	0	0	0	0	2.6
9.5	6	6	5	7.5	10.5	6.5	3.5	1	.5	1	1	4.4
10	**16**	12	5	5	7	4.5	5.5	6	4	3	3	5
14	10	7.5	7	6.5	5	7	3.5	1.5	6	7.5	3.5	5
14	8	10	1.5	1.5	3	2	6.5	4	.5	.5	.5	4.2
9.5	6.5	5	7.5	8	2.5	2	1	0	.5	2.5	.5	3.6
8	6	8	4	5	0	0	0	0	.5	0	.5	2.6
16.5	10.5	12.5	6.5	3.5	1.5	3.5	5.5	4	1.5	1	3	4.1
12	14	19	18	10	7	**20**	10	3	4	4	7	8.1
11	12.5	7.5	9	5	.5	3	3.5	2.5	1	1	3.5	6.1
7	8	7.5	1	1.5	3	3	5	5.5	4	1.5	4	3.6
11.5	8	4	5.5	4	7.5	1	0	0	1	3	3.5	3.3
10	11	**13**	12	6	7	4	1	6	5	4	3	5.1
15	11	14	13	13.5	10	7.5	6	4	3.5	1.5	2.5	7.5
9.5	8	6	3	2	1	3	3.5	.5	1.5	2	1.5	3.9
14.5	**16**	8	4	1.5	3	3.5	2	1	3	4.5	8.5	4.7
6.5	11	9	5	8	15	9.5	5	4	.5	3	5	10.2
14	13.5	10	5.5	6.5	2.5	1.5	2	3	7	2	.5	5.5
10	8	6.5	8.5	1	.5	3	2.5	1	4	5	3	4.2
12	**13**	10.5	6	6	6	4	3	2	5.5	1.5	1.5	5.2
3.5	4	1.5	6.5	8	7.5	6.5	4.5	4	3.5	1	1.5	3.9
9	8	11	7	5	1	4	**12**	10.5	7.5	7	5	5.2
9	5.5	5	4	2.5	2.5	.5	0	0	.5	0	0	3.1
2.5	7.5	5.5	**10**	8	1	1	3.5	4	1.5	0	0	3.4
4.5	8	**8.5**	4	5.5	3.5	2.5	4	3.5	2.5	3.5	5	4.6
11	11	8.5	7.5	6	6	6.5	5.5	4	3	3	1.5	7.4
14	8	5	9	7	2	0	0	0	0	0	0	3.8
2	**8**	**8**	6	5	1.5	2.5	1	1.5	1	3.5	1.5	3
10	7	6	7	9	**13**	9	4.5	2.5	7	2	4	4.8
9.9	9.2	8.2	6.7	5.9	4.6	4.4	3.6	2.7	2.7	**2.4**	2.5	4.8

FREQUENCY OF THE WIND

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rain fall.
																		Kms.	*mm.*	*mm.*
1	1	3	3	1										1	4	1	10	115.5	1.8	25.9
2			4	1								1	1		1		16	**62.5**	1.9	.....
3	4		4	4							1						11	104.5	3	.....
4	1		11	1	3			1				1	1				5	119.5	**4.1**	.....
5	2		6	1	2						1		3	3	1		5	119	3.3	.....
6	2	3	5	1	1							2	1	1	1		7	100	2.2	14.2
7	2	1	4	1	1							1	2	2	2	2	6	85.5	2.4	.5
8		3	1							2	1		3			1	13	63.5	2.7	.....
9	1		2	1				1	1	1	3	5	1	1			7	99	2.9	.....
10	1		2	2	5	1	1	1	1		4	2	1	2			1	194	3	**39.4**
11	1		4	1	2							1	4	1			10	146	2.1	.6
12	3		3		4		1	1			1	1	2	2			6	86	2.4	.....
13	3	4	3	1	2		1		2		1			1			6	80	2.2	.....
14	2	7	8	2										1	2		2	123	3.2	.....
15	7	4	6										1			1	5	179.5	3.7	.....
16		4	3	1						1			2		1		12	93.5	2.4	.....
17	5	3	1					2	1		1			2		1	8	113	2.4	1.1
18	7	3	3	3	1	1										5	1	**246**	**0**	24.1
19	2		3	1	3	2	1						1	1			10	132.5	3.7	.....
20	2		2		1		1			1	1	1	1	1	2		11	100.5	1.9	.6
21	1	1	5						1		1	3	4	1			7	125.5	3	.....
22	1		1	1	4	3	1		1			1		2	1		8	93	2	.....
23		1			2	2	7	3									9	126	3	.....
24	2	1	3	1			2						1	3			11	74	1.7	.3
25	6	2	4		3	1										1	7	82	2.7	.....
26	4		10							1	2			1		1	5	111	2.9	9.4
27	7	6	2												2	4	3	177.5	.7	7.4
28	2	2	1		1	5	1									1	11	91.5	2.4	3.1
29	1	2		2					1				2	3			13	71	1.4	.6
30	8	2	3		2			1						1	1	2	4	114	1.1	11.3
Total	78	52	107	26	37	15	16	10	8	6	17	19	31	30	18	20	230	3,428.5	72.2	138.5
Mean	2.6	1.7	3.6	0.9	1.2	0.5	0.5	0.3	0.3	0.2	0.6	0.6	1	1	0.6	0.7	7.7	114.3	2.4	4.6

The monthly mean of the atmidometer in our "Monthly B ulletin" should be 2.4 mm. instead of 2.3 mm.

EXTREME VALUES

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°*C.*		*Per cent.*	*mm.*	*mm.*		°*C.*		*Per cent.*	*mm.*
1	761.10	9.30p.	31.1	2.50p.	97	23.6	758.65	2.55p.	22.6	6.10a.	71	19.6
2	61.23	8.00a.	30.4	3.55p.	97	23.4	58.80	2.20p.	22.7	5.30a.	67	18.4
3	61.15	9.30p.	32.8	2.40p.	98	22.8	58.15	2.35p.	21.8	5.40a.	62	19.1
4	60.60	9.10a.	**33.3**	1.50p.	97	21.7	57.05	2.50p.	22.3	6.05a.	**52**	18.8
5	60.30	9.30a.	32.2	2.45p.	97	23.2	57.27	4.00p.	23	11.30p.	64.5	17.9
6	60.10	10.00p.	31.9	0.25p.	97	23.4	57.15	3.25p.	20.8	5.50a.	64	17.5
7	60.70	10.00p.	30.7	10.15a.	96	23.1	57.85	3.00p.	21.4	5.55a.	66	18.4
8	60.67	8.00a.	32.2	1.20p.	97	22.3	57.25	3.30p.	22.5	5.55a.	65	19.9
9	59.70	9.30a.	31	3.55p.	96	22.7	56.36	3.00p.	21.7	5.15a.	65	18.7
10	58.89	8.00a.	31.4	2.40p.	97	23.1	55.65	3.10p.	23.3	5.50a.	70	20.5
11	58.49	9.00a.	32.1	3.35p.	97	**23.8**	**55.60**	2.45p.	**23.6**	4.40a.	68	**21.2**
12	58.95	9.30a.	31.1	3.05p.	96	23.6	56.60	3.15p.	23.5	6.10a.	69	20.4
13	60.15	10.15p.	31.9	2.10p.	96	23.3	57.45	3.25a.	23.4	5.40a.	72	19.1
14	60.40	9.25a.	31.1	3.45p.	96	20.2	57.75	3.05p.	22	6.00a.	59	18.2
15	60.40	9.15a.	30.2	10.50a.	**91**	19.9	57.10	2.40p.	22.4	2.55a.	59	17.6
16	59.80	8.30a.	30.4	0.55p.	94	21.9	56.55	2.25p.	21.3	5.55a.	60	17.8
17	59.55	9.05a.	31.6	11.30a.	95	21.9	56.80	1.30p.	22.3	5.55a.	63	19.3
18	**58.45**	9.40a.	**25.1**	0.10a.	**99**	21.4	56.10	2.15p.	23.3	8.15a.	**83**	19.3
19	60.25	10.15p.	32.7	0.45p.	98	22.9	56.60	2.30p.	22.3	5.00a.	62.5	19.6
20	59.80	0.05a.	30.6	2.55p.	97	23.3	56.80	2.45p.	23.1	4.45a.	70	20.4
21	59.20	11.20p.	30.9	2.20p.	96	22.7	56.35	3.15p.	22.9	6.15a.	70	19.9
22	60.30	9.00a.	28.7	1.55p.	97	21.7	57.70	3.10p.	23.5	4.40a.	70	18.2
23	61.05	8.35a.	30.2	11.20a.	94	21.2	58.70	4.05p.	22.1	1.55a.	67	18.3
24	61.30	8.10a.	28.5	3.30p.	98	21.2	58.95	3.45p.	22.5	5.10a.	69	16.5
25	62.01	9.00a.	29.6	1.50p.	**91**	**17.4**	58.85	2.40p.	20.4	6.05a.	58	15.6
26	62.05	8.30a.	31.7	2.15p.	94	19.1	58.54	3.00p.	**19.2**	6.30a.	57	**15.2**
27	60.55	9.20a.	29.5	0.30p.	96	22.7	58.20	3.30p.	22.1	5.15a.	80	18.8
28	61.70	9.55p.	32.6	1.40p.	97	23.5	58.55	3.40a.	23.2	5.50a.	66	20.6
29	**62.15**	9.15a.	30.4	11.50a.	97	23.1	**59**	2.25p.	23.2	6.15a.	68	20
30	62	8.50a.	29.7	2.45p.	97	23.1	**59**	1.55p.	22.9	6.05a.	80	19.9
Mean	760.43	....	30.9	....	96.2	22.2	757.51	....	22.4	....	66.6	18.8

DAILY GENERAL REMARKS

1....d in the early morning; ☈ NE, ● in the afternoon.
2....Overcast.
3....Cloudy weather.
4....Fair weather.
5....☇ SSE in the evening.
6....● in the afternoon.
7....d° at noon; ☈ NNW, d in the afternoon.
8....Cloudy weather.
9.... Do.
10....● at night.
11....d in the early morning and afternoon; ☈ NE in the afternoon.
12....Cloudy weather.
13....Overcast.
14....⊕ in the morning; convergence of Ci. toward ESE at noon.
15....Somewhat gusty Nly winds in the afternoon.
16....Overcast.
17....Near ☈ SE quadrant with occasional drizzle in the afternoon.
18....Somewhat rainy weather.
19....Cloudy weather.
20....d in the afternoon.
21....Near ☈ NE in the afternoon; ☇ E quadrant in the evening.
22....≡° in the morning.
23....Overcast.
24....●° in the afternoon.
25....d°, ⌒ in the morning.
26....●° at night.
27....Frequent ● or d, especially in the early morning and at night.
28....● in the morning.
29....●° in the afternoon; ⊕ in the evening.
30....☇ NE early in the morning; ● in the morning, afternoon and evening; T N in the afternoon.

OBSERVATIONS FOR DECEMBER, 1919

ATMOSPHERIC PRESSURE, 700mm+

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	60.15	60.10	59.85	59.90	60.05	60.31	60.61	61.08	60.99	60.65	60.20	59.65
2	60.40	60.10	59.90	60	60.05	60.21	60.69	60.91	61.13	**61.40**	61.18	60.33
3	60.20	59.95	59.25	58.95	59.05	59.52	59.91	**60.78**	60.59	60.28	59.84	59.34
4	58.70	58.05	57.75	57.60	57.90	58.05	58.33	58.73	**58.75**	58.45	58.11	57.32
5	56.90	56.20	55.90	55.85	56	56.38	56.90	**57.82**	57.76	57.64	57.65	56.61
6	57.25	56.75	56.55	56.60	56.75	56.86	57.32	58.02	58.32	58.14	57.53	57.04
7	58.40	58.20	58.05	57.95	57.85	58.29	58.60	59.30	59.21	59.27	59.17	58.57
8	59.25	59.05	58.75	58.50	58.65	59.06	59.31	60.07	**60.41**	60.14	59.72	59.08
9	59.60	59.20	58.95	58.95	59.10	59.36	59.76	60.24	60.35	60.38	60.18	59.48
10	60.15	59.90	59.75	59.95	60.30	60.47	61.19	61.84	**61.97**	61.62	61.29	60.29
11	61.05	60.60	60.35	60.40	60.60	60.63	61.01	**61.63**	61.61	61.43	60.97	60.09
12	60.15	59.65	59.50	59.50	59.85	60.05	60.44	60.96	**61.10**	60.95	60.49	59.98
13	59.65	59.05	58.70	58.70	59.05	59.15	59.42	60.26	**60.30**	59.88	59.24	58.50
14	58.25	57.95	57.80	57.75	58.05	58.39	58.82	59.19	**59.46**	59.41	58.96	58.18
15	58.55	58.25	58.10	58.15	58.45	58.77	59.51	60.17	**60.47**	60.29	59.92	59.46
16	59.60	59.10	58.80	58.85	59.05	59.45	59.97	60.51	60.68	60.84	60.48	60.05
17	60.85	60.35	60.30	60.35	60.55	60.79	60.98	61.78	**61.93**	61.69	61.49	61.15
18	61.55	61.05	60.85	60.85	61.05	61.33	61.94	62.64	**62.74**	62.49	61.94	61.40
19	61.95	61.55	61.45	61.35	61.55	61.90	62.43	63.26	**63.49**	63.26	63.04	62.60
20	63.05	62.65	62.15	61.90	61.95	62.30	62.57	63.42	**63.59**	63.39	62.95	62.18
21	62.50	62.15	61.90	62.10	62.30	62.46	62.69	63.25	63.27	63.28	63.04	62.65
22	63	62.65	62.15	61.90	62.05	62.24	62.50	63.08	**63.31**	63.28	62.95	62.19
23	**62.95**	62.35	61.90	61.75	61.80	61.88	62.15	62.81	62.69	62.48	62.24	61.58
24	61.40	60.70	60.40	60.45	60.65	60.83	60.86	61.38	**61.69**	61.55	61.13	60.55
25	59.85	59.25	59.10	59.10	59.20	59.61	60.06	60.79	60.98	**61**	60.74	60.10
26	60.35	60.15	60.05	60.10	60.25	60.59	60.94	**61.56**	61.54	61.42	60.80	60.24
27	60.05	60.05	59.90	60	60.10	60.46	61.28	61.83	**61.91**	61.64	61.22	60.79
28	60.65	60.15	60	60.10	60.20	60.50	60.99	61.65	61.59	61.44	60.92	60.47
29	61.60	61.25	61.20	61.25	61.35	61.62	62.18	62.67	**62.82**	62.80	62.42	61.64
30	61.90	61.65	**61.40**	61.60	61.80	62.06	62.47	63.10	**63.34**	63.24	62.85	62.48
31	62.90	62.70	62.55	62.85	62.90	63.26	63.90	64.54	**64.76**	64.44	63.99	63.41
Mean	60.41	60.02	59.78	59.78	59.95	60.22	60.64	61.27	**61.38**	61.23	60.86	60.24

TEMPERATURE (°C.)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	23.5	23.2	23.1	23.2	**23**	23.3	23.7	25.7	27.8	28.5	**30.4**	28.4
2	23.6	23.2	23.1	22.8	22.7	22.5	22.8	24.4	26.5	27.7	28.8	29.5
3	23.4	23.4	23	23.8	23.7	23.8	24	24.3	26.2	28.9	**29.5**	27.4
4	**22.5**	22.7	22.8	22.8	22.7	23	23.2	24.5	27.3	**27.7**	27.5	26.9
5	23.6	23.5	23.5	23.5	**23.4**	23.5	23.8	25.1	26.9	28	28.2	28.9
6	24.3	24	23.8	23.8	**23.4**	23.5	24.2	26.6	27.5	29.6	30.3	**30.9**
7	23.9	24.1	24.2	24.2	23.8	**23.7**	23.8	26.8	29.5	30.6	30.8	31.3
8	23.8	23.5	23.2	**22.9**	**22.9**	23	23.3	26.5	28.8	29.5	31	31.3
9	24.2	24.2	23.7	23.3	22.9	23	23.6	25.9	28.4	28.5	29	28.8
10	22.5	22	**21.8**	22.1	22.3	22.5	23	24.7	27	27.2	28.4	**29.4**
11	22.7	22.5	21.9	21.4	21.1	**21**	21.5	23.8	26.5	28.6	29.3	30.6
12	21.7	21.4	21.1	21.1	21	**20.8**	21.3	24.2	27.2	27.6	28	28.7
13	23.5	22.8	22.2	21.8	21.5	**21**	21.6	24.8	27.5	28.7	29.8	28.9
14	24.1	24.1	23.6	**23.4**	23.5	23.5	24	26	26.8	27.3	28.1	**28.9**
15	22.8	22.2	22.6	21.9	21.7	**21.4**	21.6	23.5	25.7	27.5	28	27.6
16	23	22.7	**22**	**22**	22.1	**22**	22.4	24.9	27.2	26.6	27.9	**28.2**
17	23.5	23.6	23.3	23.1	**22.7**	**22.7**	**22.7**	25.2	26.6	27.4	27.2	27.6
18	23.5	23.5	23.4	23.1	23.1	23	23.1	24.6	27.1	28.6	28.1	28.2
19	22	22	22.1	21.9	21.6	**21.5**	21.9	24	26	26.7	26.6	27.8
20	22	21.8	21.6	**21.1**	21.3	21.5	21.6	22.5	26.5	28	27.3	27.9
21	23.5	22.8	22.2	**22**	22.1	**22**	22.9	25.5	27.8	**28.8**	28.7	28
22	22.7	22.6	22	21.4	**21.2**	21.3	21.7	24.1	26.9	28.1	27.2	28.7
23	22.4	22.2	22.1	21.7	21.6	**21.5**	21.7	24.3	26.5	28.6	28.5	28.1
24	22.1	21.9	21.7	21.4	21.3	**21.1**	21.3	23.7	26.5	26.7	26.8	28
25	22.2	22	22	21.9	21.7	**21.3**	21.7	24	27.1	28	27.4	**28.9**
26	22.5	22.3	22	21.8	**21.6**	**21.6**	22.1	24.1	27.2	28.2	29.2	28
27	23.2	23.3	23.3	22.8	22.4	**22.3**	22.5	24.7	26.8	28	26.7	28
28	23.4	22.9	22.9	**22.8**	**22.8**	23.5	23.6	24.8	27.3	29	**30.3**	30.1
29	23.9	23.9	24.1	23.3	23.3	23	23	24.6	25.1	25.6	26.5	27
30	23	22.6	22.9	22.4	22.4	22	22.6	24.2	26.2	27.2	**27.7**	27
31	19.7	19.3	19.4	**18.9**	**18.9**	19	19.3	21.6	24.9	26.1	27	27.6
Mean	23	22.8	22.6	22.4	**22.2**	**22.2**	22.6	24.6	26.9	28	28.4	28.6

ATMOSPHERIC PRESSURE, 700mm+

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
58.87	**58.79**	58.90	59.05	59.46	59.99	60.40	60.40	60.70	**61.10**	61	60.70	60.12
59.35	58.77	**58.64**	58.85	59.50	59.99	60.42	60.85	61	60.85	60.75	60.55	60.24
58.86	**57.85**	57.96	58.18	58.45	58.54	59	59.30	59.15	59.05	58.95	59.10	59.25
56.49	56.05	**55.86**	55.91	56.02	56.39	56.71	57.25	57.55	57.55	57.35	57.25	57.42
55.70	55.40	**55.27**	55.37	56.13	56.53	56.83	57.20	57.50	57.50	57.65	57.40	**56.67**
56.39	55.95	**55.89**	56.20	56.93	57.34	57.60	58.45	58.35	58.45	**58.60**	58.30	57.32
57.84	**57.18**	57.19	57.45	57.79	57.85	58.50	59.15	59.45	**59.60**	**59.60**	**59.60**	58.50
57.96	57.58	**57.19**	57.24	57.56	58.18	58.72	59.05	59.50	59.90	59.75	59.80	58.93
58.93	58.29	58.07	**58.06**	58.47	59.08	59.68	59.95	60.40	60.35	60.40	**60.45**	59.49
59.67	59.20	**58.89**	59.08	59.41	59.94	60.68	61.10	61.60	61.65	61.55	61.30	60.53
59.46	**59.13**	59.16	59.52	60.04	60.28	60.82	61.20	61.40	61.30	61	60.60	60.60
59.15	58.78	**58.24**	58.34	58.53	58.95	59.35	59.80	59.95	60	60.30	60.10	59.75
57.69	56.98	**56.83**	57.08	57.47	57.93	58.32	58.75	58.90	58.85	58.70	58.55	58.66
57.47	56.69	**56.49**	56.69	57.16	57.64	58.05	58.55	58.70	59	58.80	58.75	58.18
58.62	57.98	**57.92**	57.95	58.15	58.69	59.28	59.85	60.15	60.15	59.95	59.75	59.11
59.30	58.84	**58.79**	59.10	59.51	59.82	60.42	**61**	60.95	**61**	60.95	60.90	59.92
60.35	59.99	**59.77**	59.92	60.23	60.75	61.09	61.35	61.70	61.85	61.90	61.85	60.96
60.64	60.13	**60.07**	**60.07**	60.47	61.19	61.53	61.90	62.20	62.25	62.10	61.95	61.43
61.63	61.17	**61.02**	61.13	61.60	61.97	62.25	62.85	63.35	63.45	63.45	63.25	62.29
61.33	60.97	**60.92**	60.93	61.27	61.67	62.03	62.40	62.85	63	63.05	62.95	62.31
62.17	61.67	**61.45**	61.80	62	62.17	62.40	62.70	63.05	**63.40**	**63.40**	63.30	62.55
61.50	60.81	**60.73**	60.91	61.42	61.82	62.57	62.90	63.10	63.30	62.95	63.10	62.35
60.77	**60.09**	60.10	60.49	60.89	61.35	61.74	62.05	62.25	62.15	62	61.80	61.76
59.85	58.93	**58.53**	58.74	58.88	59.21	59.89	60.15	60.30	60.35	60.15	60.15	60.28
59.60	59.15	**59.02**	59.15	59.28	59.55	60	60.40	60.80	60.85	60.65	60.45	59.94
59.64	59.09	**59**	59.28	59.69	60.05	60.26	60.55	60.70	60.65	60.40	60.25	60.31
59.99	59.64	59.33	**59.18**	59.29	59.74	60.24	60.95	60.90	61	60.95	60.90	60.47
59.65	**59.17**	59.28	59.58	60.22	60.37	60.80	61.45	61.80	**61.85**	61.70	61.80	60.68
61.15	60.35	**60.30**	60.48	60.82	61.07	61.61	61.90	62.15	62.25	62.20	62.15	61.63
62.07	61.57	61.69	61.92	62.46	62.48	62.80	63.15	63.25	63.10	63.20	63.10	62.44
62.39	61.57	**61.27**	61.38	62.04	62.44	62.95	63.40	63.60	63.60	63.55	63.45	**63.08**
59.50	58.96	58.83	59	59.39	59.77	60.22	60.64	60.88	60.95	60.87	60.76	60.23

TEMPERATURE (°C.)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
29.7	26.5	26.2	26.1	25.9	24.9	24.8	24.6	24	24	24	23.8	25.3
30	29.2	28.9	28	26.1	24.7	23.2	22.9	22.5	22.1	**22**	**22**	25
27.9	28.6	27.6	25.4	25.2	24.3	23.8	23.6	23.8	23.1	23	**22.7**	25
27	26.7	26.9	26.5	25.7	25.1	24.6	24.3	24.1	24	23.8	23.5	24.8
29.8	29	28.1	28	27	26	25.2	24.9	24.5	24.4	24.5	24.6	25.7
30.5	29.5	30.1	27.6	26.7	25.8	25.6	25.4	25	24.6	24.4	24.1	26.3
29.8	**31.7**	27.2	26.9	26.6	26.4	25.7	25.5	24.8	24.5	24.1	23.9	26.4
31.7	31.5	**31.8**	30.1	28.8	27.2	26.2	25.8	25.4	24.9	24.5	24.2	**26.7**
28.8	**30.2**	29.6	29.3	28.2	26.2	25	24.5	23.9	23.4	22.9	**22.6**	25.8
28.4	27.5	27.3	27	26.3	25.3	24.9	24.7	24.6	24.3	23.7	22.9	25
31.4	**31.5**	**31.5**	29.6	27.5	25.4	24.8	23.8	23.3	22.7	22.4	22	25.3
28.8	29.5	**29.9**	29.2	28	25.8	25.1	24.7	24	23.8	24.2	23.7	25
29.2	30.1	**30.8**	26.8	27.5	26.4	25.6	25	24.5	24.2	24.1	24.2	25.5
28.4	28.1	28.2	27.3	26.9	25.7	24.9	24.4	24	23.5	23.6	23.6	25.5
28.4	**29.1**	28.5	27.7	27	25.7	25.1	24.5	24.4	24.5	23.9	23.6	25
28	27.3	26.9	26	25.7	25.2	24.7	24.5	24.1	23.9	23.8	23.5	24.8
28.4	28	28	28	26.8	25.7	25.1	24.2	24	23.9	23.7	23.8	25.2
28	**29**	27.4	27.7	26.3	25.1	24.1	23.5	23.1	22.8	22.5	**21.8**	25
28.1	28.1	**28.6**	27.6	26.5	25.1	24.4	23.3	22.9	22.8	22.7	22.2	24.4
28.1	28	**28.2**	28.1	26.7	25.8	25.3	24.9	24.1	23.7	24	23.8	24.7
27.6	25.5	25.6	24.8	24.2	23.7	23.7	23.4	22.8	22.8	22.8	22.7	24.4
27	**30**	28.6	27.8	26.6	25.1	24.4	23.9	23.9	22.7	22.6	22.5	24.7
28.2	**29.4**	28.6	25.7	24.7	24.5	24	23.8	23.6	23.3	23	22.5	24.6
28.4	29.2	**29.3**	28.7	27.6	25.8	25	24.5	24	23.4	22.7	22.5	24.7
28.4	28.8	**28.9**	27.5	27.1	25.5	24.5	24.1	23.5	23.1	23.1	22.8	24.8
28.9	**30.3**	28.8	27.2	26.3	25.4	24.8	24.3	23.8	23.4	22.9	22.7	25
29	28.7	**29.5**	28.9	28	26.5	25.5	25.6	25.2	24.4	24	23.8	25.5
30.2	30.2	29.4	27.7	27.3	26.3	25.6	25.4	24.3	24.4	24.2	23.9	25.9
27.3	27.1	26.9	26	25.2	23.7	23.5	23.1	**22.5**	22.7	22.9	22.8	24.5
26.5	27.5	26.9	26	24.4	22.6	21.3	20.5	20.3	20.1	**19.7**	20.1	23.6
27.1	**28.1**	27.5	26.4	24.9	22.9	21.8	20.7	20.3	19.6	19.7	19.5	**22.5**
28.7	**28.8**	28.4	27.4	26.5	25.3	24.6	24.1	23.7	23.4	23.2	23	25.1

RELATIVE HUMIDITY (%)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	**97**	**97**	**97**	**97**	**97**	96	93	84	77	73	**65**	77
2	95	96	**97**	**97**	96	96	**97**	92	82.5	72	72	70
3	83	85	85	81	83	82	86	86.5	83	69	**70**	76
4	96	96	95	94	95	93	94	90	78	**76**	78	82
5	96	96	**97**	**97**	**97**	96	94	89	85	83	79	77
6	**97**	96	96	94	**97**	96	95	85	81	70	68	**63**
7	**97**	96	94	95	96	**97**	**97**	81	71	67	63	**62**
8	94	95	**97**	**97**	96	96	**97**	86	76	72	65	66
9	**97**	96	**97**	95	**97**	**97**	95	87	74	73	72	72
10	94	**96**	**96**	**96**	94	94	90	87	74	78	73	**68**
11	96	95	97	**98**	97	96	95	86	77	67	64	61
12	93	93	95	95	95	**96**	93	79	71	73	70	69
13	89	91	92	93	94	**95**	**95**	83	75	69	67	69
14	89	87	91	**92**	**92**	**92**	86	76	71	71	70	65
15	89	**93**	89	**93**	92	92	92	85	78	73	70	75
16	91	90	**96**	**96**	95	95	93	81	73	77	**71**	**71**
17	**90**	89	**90**	89	**90**	89	89	77	76	73	71	71
18	90	89	89	90	88	87	86	82.5	72	68	70	**68**
19	**93**	**93**	92	92	**93**	92	**93**	81	74	69	73	69
20	90	91	90	**94**	92	92	92	89	73.5	67	68	**66**
21	90	92	95	96	94	96	91	80	70	**64.5**	69	73
22	96	96	96	**97**	95	95	94	81	71	64	70	66
23	95	95	94	**96**	95.5	95	**96**	86.5	81	71	73	71.5
24	94	94	93	93	92	93	93	90	79	76	72	69
25	95	96	96	**97**	96	95	95	86	72.5	73	76	68
26	94	94	95	**96**	**96**	**96**	**96**	88	75	70	68	69
27	92	93	94	95	**96**	**96**	95	83	77	73	79	75
28	94	**97**	96	94	96	90	91	**89**	79	71	63	65
29	92	94	91	95	94	96	**97**	90	82	79	76	74
30	76	75	75	79	76	79	76	74	66	62	60	61
31	87	88	84	**90**	**90**	89	89	75	62	58	56	**54.5**
Mean	92.3	92.7	92.9	**93.6**	93.4	93.2	92.4	84.2	75.4	71	69.7	69.1

VAPOR PRESSURE (mm)

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	20.7	20.6	20.5	20.4	**20.2**	20.3	**20.2**	20.5	21.4	21	21	22
2	20.5	20.2	20.3	19.9	19.6	19.4	19.9	21	21.2	19.9	21.2	**21.3**
3	**17.7**	18.1	17.8	17.8	18.1	18	19	19.5	21	20.5	21.3	20.6
4	19.4	19.6	19.5	**19.3**	19.4	19.4	19.8	20.5	20.9	21.1	21.2	21.6
5	20.7	**20.6**	20.7	20.7	**20.6**	**20.6**	**20.6**	21.1	22.4	**23.3**	22.4	22.8
6	21.8	21.2	20.9	**20.6**	**20.6**	**20.6**	21.3	21.9	22	21.5	21.9	20.9
7	21.3	21.4	21.1	21.3	20.9	21	21.3	21.2	21.7	21.7	**20.8**	21
8	20.6	20.4	20.4	20	**19.8**	19.9	20.5	22	22.4	22.2	21.9	**22.6**
9	21.8	21.5	21	20.1	20.2	20.2	20.5	21.6	21.2	21.1	21.5	21.2
10	19	19	**18.7**	18.9	18.8	19	18.8	20.2	19.6	20.8	21	20.8
11	19.6	19.2	19	18.6	18.1	17.8	18.2	18.9	**19.9**	19.5	19.5	19.8
12	17.9	17.6	17.6	17.8	17.5	17.6	**17.4**	17.8	19.1	20	19.7	20.2
13	19.1	18.8	18.3	18	17.8	**17.5**	18.1	19.4	20.4	20.2	21	20.5
14	**19.8**	19.5	**19.8**	19.7	**19.8**	**19.8**	19.2	19	18.5	19.2	19.7	19.2
15	18.5	18.5	18	18.1	17.7	**17.4**	17.6	18.2	19.2	20	19.7	20.5
16	19	**18.5**	18.8	18.8	18.7	18.6	18.7	19	19.6	19.8	19.9	20.2
17	19.5	19.2	19	18.6	18.5	**18.3**	**18.3**	18.4	19.6	19.7	19.1	19.6
18	19.3	19.1	19	19	18.4	18.1	18.1	18.9	19.1	19.7	19.7	19.2
19	18.2	18.2	18.2	17.9	17.8	17.5	18.1	17.9	18.5	18	18.8	**19.1**
20	17.7	17.7	**17.3**	17.4	**17.3**	17.5	17.6	17.9	18.9	18.7	18.2	18.4
21	19.3	19	18.8	18.8	**18.5**	18.8	18.9	19.4	19.5	19	20.1	20.5
22	19.6	19.5	19	18.4	17.9	**17.8**	18.1	18	18.6	18.1	18.7	19.3
23	19.1	18.8	18.5	18.4	18.3	**18.2**	18.4	19.5	20.8	20.7	21	20.2
24	18.5	18.3	17.9	17.6	17.3	**17.2**	17.4	19.5	20.3	19.8	18.9	19.3
25	18.8	18.8	18.8	19	18.4	**18**	18.2	19.2	19.3	20.5	20.6	20.1
26	19	18.8	18.6	18.5	18.5	18.5	18.9	19.6	20	20	20.3	19.3
27	19.5	19.8	20	**19.5**	19.2	19.3	19.2	**19.1**	20.1	20.5	20.5	21.1
28	20.1	20	19.8	**19.3**	19.7	19.5	19.8	20.7	21.3	21.2	20.3	20.6
29	20.3	**20.7**	20.4	20.1	20	19.9	20.3	**20.7**	19.4	19.3	19.5	19.6
30	15.9	15.3	15.6	15.9	15.3	15.5	15.5	16.5	**16.7**	16.6	16.5	16.2
31	14.8	14.7	14.5	14.7	14.7	14.6	14.9	**14.4**	14.5	14.7	14.8	15
Mean	19.3	19.1	19	18.8	**18.6**	**18.6**	18.8	19.4	19.9	19.9	20	20.1

RELATIVE HUMIDITY (%)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
71	88	86	89	88	93	93	92	95	93	94	95	88.6
67	68	65	**63**	76	79	86	87	88	90	90	91	83.9
73	72	79	91	92	93	92	91	89	92	93	**95**	84.2
78	83	83	88	88	89	90	93	94	94	**97**	**97**	89.2
73	78	82	83	87	89	92.5	93	95	96	**97**	95	**89.4**
66	68	67.5	81	86	92	93	94	96	96	**97**	**97**	86.3
70	63.5	83	80	84	86	91	91	93	95	**97**	**97**	85.3
64	66	**64**	71	75.5	83	88	90	93	95	96	96	84.1
76	**71**	73	74	79	82	88	87	90	91	93	94	85.4
75	78	78	80	83	88	90	91	89	91	92	**96**	86.3
53	51	**47**	56	66	79	79	85.5	86	88	89	92	79.2
69	68	65	**62**	71	84	88	87	92	93	86	88	82.3
68	64	**63.5**	76	78.5	85	88	88	90	92	93	92	82.9
64	**64**	65	68	70	73	79	82	85	88	87	87	78.9
68	69	70	72	78	84	87	88	90	86	89	90	83
73	76	78	85	84	84	87	86	90	91	91	91	85.2
68	70	69	71	76	81	84	85	88	86	88	87	81.1
71	69	74	72	79	83	85	87	88	88	89	**92**	81.5
64	67	**61**	66	68	75	76	82	85	87	86	89	80
66	68	70	73	80	84.5	86	84	88	90	88	90	82.2
76	91	90	92	93	95	95	95	**98**	97	97	**98**	88.6
72	**59**	61	68	77	83	85	87	86	96	**97**	96.5	82.9
74	**69**	74	86	90	91	91	92	92	91	92	92	86.8
66	**61**	63	65	75	82	87	89	92	93	**96**	95	83.4
69	**63**	68	77	77	84	87	87	90	92	92	93	84.4
63	**57**	69	80	86	88	90	89	91	92	94	**96**	84.7
72	73	**68.5**	70	77	84	91	89	89	93	92	91	84.9
61	69	70	81	83	79	81	80	90	87	90	91	82.8
69	**65**	66	69	68	79	78	79.5	84	79	77	78	81.3
59.5	56	**54.5**	58	65	73	78	82	83	86	**88**	84	**71.9**
57	56	58	60	67	71	77	83	85	**90**	89	**90**	75.2
68.2	68.4	69.8	74.4	78.9	83.7	86.5	87.6	89.8	90.9	91.5	92.1	83.4

VAPOR PRESSURE (mm)

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
21.9	**22.6**	22	22.5	21.8	21.8	21.7	21.2	21	20.7	20.8	20.8	21.2
21.3	20.5	19.2	17.8	19	18.4	18.2	18	**17.7**	17.8	**17.7**	17.9	19.5
20.3	20.9	21.7	**21.9**	21.8	21	20.2	19.8	19.4	19.4	19.4	19.4	19.8
20.7	21.7	22	**22.6**	21.7	21.1	20.7	21	21	20.8	21.2	21	20.7
22.8	**23.3**	23	**23.3**	23.1	22.1	22	21.8	21.7	21.7	22	21.8	**21.9**
21.4	20.8	21.4	22.3	22.5	**22.7**	22.5	**22.7**	22.5	22	21.9	21.7	21.6
21.8	22	22.2	21.2	21.8	21.9	**22.3**	22	21.7	21.7	21.5	21.3	21.5
22.3	**22.6**	22.4	22.4	22.2	22.2	22.2	22.3	22.3	22.2	21.9	21.5	21.6
22.4	**22.8**	22.5	22.5	22.4	20.6	20.8	20	19.8	19.5	19.3	**19.1**	21
21.6	21.2	21.1	21.1	21.2	21.2	21	21	20.4	20.6	20.1	19.8	20.2
18.2	17.6	**16.2**	17.2	18.1	19	18.5	18.7	18.3	18	18	18	18.5
20.4	**20.8**	20.3	18.8	20.1	20.7	20.7	20.2	20.4	20.4	19.4	19.1	19.2
20.3	20.4	20.9	19.9	21.4	**21.7**	21.4	20.8	20.5	20.7	20.8	20.7	19.9
18.3	18.1	18.4	18.2	18.5	**17.9**	18.4	18.7	18.8	18.9	18.8	18.8	19
19.6	20.6	20.2	19.9	**20.7**	20.5	20.5	20.1	20.4	19.6	19.6	19.4	19.4
20.5	20.5	20.6	**21.1**	20.7	20.1	20.2	19.6	20	20	19.8	19.6	19.7
19.6	19.7	19.3	19.9	19.9	19.8	**20**	19	19.5	19	19.1	19.1	19.2
20.1	**20.4**	20.1	19.9	20.2	19.8	18.9	18.7	18.4	18.1	17.9	**17.8**	19.1
18.1	18.9	17.8	18.1	17.6	17.8	**17.3**	17.4	17.7	17.9	17.6	17.8	18
18.7	19.1	19.8	20.6	**20.9**	20.8	20.6	19.7	19.6	19.5	19.5	19.7	18.9
20.8	**22**	**22**	21.3	20.9	20.6	20.6	20.3	20.3	20.1	20.1	20.1	20
19	18.5	**17.8**	18.8	**19.8**	19.6	19.3	19.2	19	19.6	19.7	19.5	18.9
21.2	21	**21.5**	21.1	20.8	20.7	20.3	20.2	19.9	19.4	19.2	18.6	19.8
19.1	18.4	19.1	19.1	**20.5**	20.3	20.4	20.3	20.4	19.9	19.6	19.2	19.1
19.9	18.5	20.1	**21**	20.4	20.3	20	19.5	19.3	19.4	19.4	19.2	19.4
18.6	**18.3**	20.2	21.4	**21.9**	21.3	20.9	20.1	18.8	19.7	19.5	19.6	19.6
21.5	21.3	20.9	20.7	21.7	21.6	**22**	21.8	21.2	21.2	20.4	19.8	20.5
19.5	22	21.4	**22.3**	**22.3**	20	19.7	19.4	20.3	19.8	20.2	20.1	20.4
18.6	17.4	17.4	17.4	16.3	17.2	16.8	16.7	17.1	16.2	**16**	**16**	18.5
15.3	15.2	**14.3**	14.4	14.7	14.8	14.8	14.8	14.7	15	15	14.7	15.4
15.3	**15.9**	15.7	15.3	15.8	14.8	15	15.1	15.1	15.3	15.3	15.2	**15**
20	20.1	20	20.1	**20.3**	20.1	19.9	19.7	19.6	19.5	19.4	19.2	19.6

CLOUDS—FORM AND DIRECTION

Day.	8 a.		9 a.		10 a.		11 a.		Noon.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	A.-Cu.	Cu. ENE	A.-Cu.	Cu. E	A.-Cu.	Cu.	A.-Cu.	Cu. E	A.-Cu.	Cu.
2	A.-Cu. E	Cu.	A.-Cu. E	Cu.	A.-Cu. E	Cu. E	A.-Cu.	Cu. E	A.-Cu.	Cu. E
3	A.-Cu.	Cu.-N. E	A.-Cu.	Cu.	A.-Cu.	Cu.	Ci.	Cu. ESE	....	Cu.-N.
4	A.-Cu. SEbyE	Cu. E	A.-Cu. SEbyE	Cu. E	Ci.-S.	Cu. E	Ci.-S.	S.-Cu. E	Ci.-S.	Cu. E
5	Ci.-S.	Cu.-N. ENE	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N. ESE	....	Cu.-N. E	A.-Cu.	Cu.-N.
6	Ci.	S.-Cu.	Ci.	Cu.	Ci.	Cu. S	Ci.	Cu. SSE	A.-Cu.	Cu.
7	Ci.-S.	Cu. SSE	Ci.-S.	Cu. SSE	Ci.	Cu. SSE	A.-Cu.	Cu. SSE	Ci.	Cu. SSE
8	Ci.	Cu.	Ci.	Cu. SE	Ci.	Cu. SE	Ci.	Cu. SE	Ci.	Cu.
9	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E	Ci.	Cu. E
10	A.-Cu.	S.-Cu. E	Ci.	S.-Cu.	Ci.	S.-Cu.	Ci.	Cu. ESE	Ci.	Cu.
11	A.-Cu.	Cu.	A.-Cu.	Cu.	....	Cu.	....	Cu.	Ci.	Cu. E
12	....	Cu.	A.-Cu.	Cu.	A.-Cu.	Cu.	A.-Cu.	Cu.	....	Cu.
13	Ci.	Cu.	A.-Cu.	Cu.	A.-Cu.	Cu.	A.-Cu.	Cu.	Ci.	Cu.
14	....	Cu. E	....	Cu. E	....	Cu. E	....	Cu. ENE	....	Cu. ENE
15	A.-Cu.	Cu.-N.	A.-Cu. SE	Cu.	A.-Cu.	Cu. NE	A.-Cu.	Cu. NE	A.-Cu.	Cu. NE
16	A.-Cu.	Cu. E	A.-Cu. ESE	Cu. E	....	Cu. E	....	Cu. E	A.-Cu.	Cu. E
17	A.-Cu.	S.-Cu.	A.-Cu.	Cu. E	A.-Cu.	Cu. E	A.-Cu.	Cu. E	A.-Cu.	Cu. E
18	A.-Cu.	S.-Cu. E	A.-Cu.	S.-Cu. E	A.-Cu. E	Cu. E	....	Cu. E	....	Cu. E
19	A.-Cu. S	Cu.	A.-Cu.	Cu. SE	A.-Cu.	Cu. SE	A.-Cu.	Cu. ENE	A.-Cu.	Cu. ENE
20	A.-Cu.	S.-Cu.	A.-Cu.	S.-Cu. E	A.-Cu.	Cu. E	....	Cu. E	A.-Cu.	Cu. E
21	Ci.	Cu.	Ci.	Cu.	....	Cu. ESE	....	Cu. E	....	Cu. E
22	Ci.	Cu.	Ci.	Cu. E	....	Cu. E	....	N.-cf. E	Ci.	Cu. E
23	A.-Cu.	Cu.	A.-Cu.	Cu. E	....	Cu. E	....	Cu. E	....	Cu.
24	....	Cu.	....	Cu.	....	Cu.	....	Cu.	....	Cu.
25	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E	....	Cu. E	....	Cu. E
26	....	S.-Cu. E	A.-Cu.	Cu. E	Ci.	Cu. EbyN	Ci.	Cu. E	....	Cu. E
27	A.-Cu.	Cu. E	....	Cu. E	Ci.	Cu. E	A.-Cu.	Cu. E	A.-Cu.	Cu. E
28	Ci.	Cu.	A.-Cu.	Cu. NE	....	Cu. NE	A.-Cu.	Cu.-N. NE	....	Cu.-N. NE
29	A.-Cu.	S.-Cu.	A.-Cu.	S.-Cu.	A.-Cu.	N.-cf.	....	N.-cf.	....	N.-cf. ENE
30	Ci. ENE	Cu.	Ci.	Cu. E	....	Cu. E	....	Cu. E	....	Cu. E
31	Ci.-S.	Cu.	Ci.	Cu. NE	Ci.	Cu. NE	Ci.	Cu. NE	Ci.	Cu. NE

Day.	1 p.		2 p.		3 p.		4 p.		5 p.	
	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.	Upper.	Lower.
1	A.-Cu.	Cu.	....	N.	....	N. E	Ci.-S.	Cu.-N.	Ci.-S.	Cu.-N.
2	A.-Cu.	Cu. E	A.-Cu.	Cu. E	A.-Cu.	Cu.	A.-Cu.	Cu.	A.-Cu.	Cu.
3	Ci.	Cu.	A.-Cu.	Cu.-N. E	....	Cu.-N. E	A.-Cu.	Cu.-N. E	A.-Cu.	S.-Cu.
4	....	Cu. E	Ci.-S.	N. E	Ci.-S.	N.	....	N. ENE	Ci.-S.	Cu.-N.
5	A.-Cu.	Cu.	Ci.-S.	Cu.-N. E	Ci.-S.	Cu.-N. ESE	A.-Cu.	Cu.-N. SE	Ci.-S.	Cu.-N. SE
6	A.-Cu.	Cu.	Ci.-S.	Cu.-N. S	....	Cu.-N. S	Ci.-S.	Cu.-N.	Ci.-S.	N.
7	....	Cu. SE	....	Cu.-N.	....	Cu.-N.	....	Cu.-N.	....	Cu.-N.
8	A.-Cu.	Cu.	Ci.	Cu.-N.	Ci.	Cu.-N.	Ci.	Cu.-N.	Ci.	Cu.-N.
9	Ci.-S.	Cu. E	Ci.	Cu. ESE	Ci.	Cu. ESE	Ci.	Cu.	Ci.	Cu.
10	Ci.	Cu.	Ci.-S.	Cu. E	Ci.-S.	Cu. E	Ci.-S.	Cu.-N. E	Ci.-S.	Cu.-N. E
11	Ci.	Cu. E	....	Cu.	....	Cu.	....	Cu.	Ci.	Cu.
12	Ci.	Cu.	A.-Cu.	Cu. ENE	Ci.	Cu.	....	Cu.	....	Cu.
13	Ci.	Cu.	....	Cu.	Ci.	Cu.	....	Cu. E	A.-Cu.	S.-Cu.
14	....	Cu. E	....	Cu.-N. E	....	Cu.-N. E	A.-Cu.	Cu.-N. E	A.-Cu.	S.-Cu.
15	A.-Cu.	Cu.	A.-Cu. E	Cu.	A.-Cu. ESE	Cu.	A.-Cu. ESE	S.-Cu.	A.-Cu.	S.-Cu.
16	....	Cu.	A.-Cu.	Cu.-N. E	A.-Cu.	Cu.-N. E	A.-Cu.	N.	....	Cu.-N. E
17	....	Cu. E	....	Cu. E	....	S.-Cu. E	....	S.-Cu. E	....	Cu. E
18	....	Cu. E	A.-Cu.	Cu.-N. E	A.-Cu.	Cu.-N. E	A.-Cu.	Cu.-N.	A.-Cu.	Cu.-N.
19	A.-Cu.	Cu.	A.-Cu.	Cu. ESE	A.-Cu.	Cu. ESE	A.-Cu.	Cu. ESE	A.-Cu.	Cu. ESE
20	A.-Cu.	Cu.	A.-Cu.	Cu. E	A.-Cu.	Cu. E	A.-Cu.	Cu.-N.	Ci.-S.	Cu.-N.
21	....	Cu. E	....	N. E	....	Cu.-N. E	....	N. E	....	Cu.-N.
22	....	Cu.	Ci.-S.	Cu. E	Ci.-S.	Cu.-N. E	Ci.-S.	Cu.-N. E	Ci.	Cu.-N.
23	Ci.	Cu. E	A.-Cu.	Cu.-N. E	A.-Cu.	Cu.-N E	....	N.	....	Cu.-N.
24	Ci.	Cu.	Ci.	Cu.	Ci.	Cu.	A.-Cu.	Cu.	....	Cu.
25	....	Cu.-N.	Ci.	Cu. ENE	A.-Cu.	Cu.-N. ENE	Ci.	Cu.	Ci.	Cu.
26	Ci.	Cu.	A.-Cu.	Cu.-N. E	A.-Cu.	Cu.-N. E	....	Cu.-N.	Ci.	Cu.-N.
27	Ci.	Cu. E	....	Cu. E	Ci.	Cu. E	Ci.	Cu. E	Ci.	Cu.
28	A.-Cu.	Cu.	A.-Cu.	Cu. ENE	A.-Cu.	Cu. ENE	A.-Cu.	Cu.	....	S.-Cu.
29	....	Cu.-N.	A.-Cu.	Cu.-N. ENE	A.-Cu.	Cu.-N. ENE	Ci.-S.	S.-Cu.	Ci.-S.	Cu.-N. E
30	Ci.	Cu. E	Ci.	Cu. E	Ci.-S.	Cu. E	Ci.-S. NE	Cu.	Ci.-S. ENE	Cu.
31	Ci.	Cu. ENE	Ci.	Cu.	Ci.	Cu.	Ci.	Cu. E	Ci.	S.-Cu.

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	NW 0.5	NW 0.5	NW 0.5	NE 0.5	NE 0.5	N 0.5	Calm	NNE 0.5	N 1.5	NE 0.5	ENE 0.5	S 1
2	Calm	Calm	Calm	Calm	Calm	NNE .5	Calm	NE .5	NNE .5	NNE .5	SE .5	SW 1
3	NE 2	N 1.5	N 2	N 2	NNW 2	N 1.5	N 1.5	ENE 1	NNE 1.5	Calm	NW 1	N 3.5
4	Calm	Calm	Calm	Calm	N .5	NNE .5	NNE .5	NE 1	N 1.5	NNE 1.5	N 3	NE .5
5	N 1.5	N 1.5	N 1	N 1.5	N 1.5	NNE 1.5	NNE .5	NNE .5	N 1	NE 2.5	ENE 2	ENE 4
6	N 1	NE 2.5	NE 1.5	NE 1.5	NE 1	NE .5	NNE .5	ENE .5	E .5	E .5	ESE 1	SE .5
7	E .5	N .5	NE 1	Calm	NE 1	NE .5	NE .5	ESE 2	NE 1	SE 1	ESE 2	ESE 1.5
8	E .5	S .5	NE .5	Calm	NE 1	Calm	Calm	E .5	ESE .5	E 1.5	ESE 1	SE 1
9	Calm	Calm	Calm	NE .5	NNE 1	NE .5	NE .5	NNW .5	WSW .5	SW .5	WNW 2.5	WNW 2
10	N .5	NE .5	Calm	Calm	Calm	NE .5	NbyE .5	Calm	Calm	NE .5	Calm	Calm
11	Calm	Calm	N 1	Calm	Calm	NNE .5	NNE 1	NE .5	N .5	NE 1	Calm	NNE 1
12	Calm	Calm	Calm	Calm	NE 1	NE 1	Calm	Calm	Calm	Calm	WNW 2	W 1.5
13	N 1	N .5	Calm	N 1.5	Calm	NNE .5	NE 1	NE 1	SE 1	E .5	NE 1	SW 3
14	N 1.5	N 1.5	Calm	N 1	Calm	Calm	NNE 1	NNE 1	NNE 1.5	Calm	WSW 2.5	NE 2
15	N .5	Calm	N 2	N 1	NE 1.5	Calm	Calm	NE 1	Calm	W 1.5	WSW 1.5	SW .5
16	Calm	Calm	N .5	Calm	Calm	N .5	NNE .5	Calm	WNW .5	W 1.5	WNW 3	WSW .5
17	W .5	Calm	N 1	N 1	N .5	Calm	NbyW .5	N .5	Calm	W 1	WNW 1.5	W .5
18	N 1	N 1	N 1	N 1	Calm	NE .5	NNE .5	NNE .5	NE .5	NE .5	NE .5	NE .5
19	Calm	N .5	Calm	Calm	Calm	Calm	NW .5	N 1	Calm	WSW 1	WNW 1	WNW .5
20	Calm	Calm	Calm	Calm	N .5	Calm	Calm	Calm	N 1	NE .5	Calm	WNW 3
21	Calm	Calm	Calm	Calm	Calm	ENE 1	NEbyN 1.5	Calm	NE 1	NE .5	SW 2	Calm
22	N .5	NE 1.5	Calm	Calm	N .5	NE .5	NE .5	NNE 1.5	NbyE .5	Calm	Calm	NNE .5
23	E .5	Calm	NE 2.5	Calm	NE 1	NE .5	Calm	NE .5	Calm	Calm	WSW 1.5	W 1.5
24	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	Calm	NW 1.5	W 1	SW 2
25	Calm	Calm	W 1	N .5	NNE 1	Calm	Calm	Calm	Calm	WbyS 1	W 1.5	SW 2.5
26	Calm	NW 1	W .5	Calm	N 1	NE .5	Calm	Calm	NW .5	WSW 1	WSW 2.5	WSW 1
27	Calm	NE .5	Calm	NE .5	NE 1	Calm	Calm	NNE 1	N 1	NNE .5	WNW 1	WSW 1.5
28	Calm	N 1	NE 1	NE 1.5	NE 1.5	NNW 4	NNW 3.5	N 3	NNE 1.5	NNE 3.5	NE 3	NE 3
29	S 1	Calm	E 1	NE .5	NE .5	NNE .5	Calm	ESE .5	Calm	Calm	SW 1	SW 2.5
30	N 2	NNW 2	N 1.5	NE 1	N 1	NNW 1	NW 1.5	NW .5	NW 1	SW 1.5	NW 1	NE 1
31	NW 1.5	NW 1	SW 1.5	Calm	NW 1.5	NE .5	Calm	NNW .5	NNE 2.5	NE 2.5	NNE 2	W 2
Mean	0.5	0.6	0.7	0.5	0.7	0.6	0.5	0.6	0.7	0.9	1.4	1.5

Day.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
1	SW 1	SSW 1	E 2	E 1	NE 1	Calm	NE 1	N 1.5	Calm	Calm	Calm	N 0.5	0.7
2	SW 1.5	WSW 1	NE 2	NE 1	NE .5	Calm	Calm	N 1	NE 1	N 0.5	N 1	NE 1	.6
3	NE 1.5	ENE .5	E .5	NNE 1	NE .5	N 0.5	NE 1	N 1.5	N 1.5	N 2	N 2	NNE 1	1.4
4	NNE 2	N 3	NNE .5	E .5	NNW 1	NNE 2.5	NE 2.5	NNE 1.5	NNE .5	NE 1	Calm	N 1	1
5	ENE 1	NW 1.5	NNW .5	Calm	NNE .5	E 1.5	NE .5	Calm	Calm	Calm	Calm	E 2	1.1
6	SE 2	S 2.5	SSE 2	SE 2	WSW 2	SW 1.5	E 1.5	Calm	SE .5	Calm	E 1	Calm	1.1
7	SSE 2.5	SE .5	SW 3	SW 2.5	SW 1.5	SW 2	S 1.5	SE 1	E .5	E .5	E .5	NE .5	1.2
8	ESE .5	SE 5	SE 1.5	SSE 2.5	SE 1	SSE 1.5	E .5	NNE 1.5	NNW .5	Calm	S 1	Calm	.9
9	NW 2	NW .5	WNW 1	WNW 1	NNW .5	ESE .5	Calm	S 1.5	Calm	Calm	Calm	N 1	.7
10	Calm	SE .5	WSW 1	N .5	Calm	SW .5	SW .5	Calm	Calm	Calm	Calm	Calm	.2
11	E 2.5	ENE 4.5	ENE 3	ENE 1.5	NNE 1	N .5	Calm	NE 1	NE 1	NE 1.5	E 1.5	E 1	1
12	NW 2	WSW 3.5	W 2	W 2	WNW 1	WSW 1	SSW .5	NE 1	SW 1	NE 1	N 1.5	NE 1	1
13	SW 1	SE .5	SE 1	WNW 3.5	Calm	Calm	Calm	Calm	S 1	NE 1	Calm	Calm	.8
14	N 3	NNE 2	NNE 1.5	NNE 1.5	NNE 2	N 3	NE 1	Calm	Calm	Calm	ENE .5	Calm	1.1
15	W 2.5	SW 1	Calm	Calm	Calm	Calm	Calm	N 1	NE .5	Calm	Calm	Calm	.6
16	WbyS 2.5	WSW 2.5	WSW 1	W 1	Calm	N 1.5	Calm	NE .5	Calm	Calm	NE .5	Calm	.7
17	WSW 2	W 1.5	W 1.5	WNW 1	N 1	ESE .5	Calm	Calm	S .5	Calm	Calm	NW 1	.7
18	Calm	SW .5	NNE .5	NNE .5	NE .5	NNE .5	N 1	NE .5	NNW .5	N 1.5	Calm	N 1	.6
19	WbyN 1.5	Calm	E 4	E 2.5	ESE 1	E 1	Calm	Calm	Calm	Calm	Calm	Calm	.6
20	WbyS 3	W 2	WSW .5	SE .5	E 1.5	E 1	E .5	E 1	E .5	E 1	ENE 1	Calm	.7
21	NW .5	WSW .5	Calm	E 1	N. .5	Calm	Calm	N .5	N .5	Calm	Calm	Calm	.4
22	NE 6.5	ESE 4	ESE 3.5	E 3	ENE .5	NE .5	ENE .5	E 1	Calm	NE .5	Calm	E .5	1.1
23	W 1	WNW 3	WNW .5	NE .5	N .5	ESE .5	Calm	Calm	Calm	Calm	Calm	Calm	.6
24	W 2	WSW 3	WSW 1.5	SW .5	Calm	SW .5	Calm	ESE 1.5	ESE .5	ESE .5	Calm	Calm	.6
25	SW .5	SSW .5	SSW .5	SSE .5	ESE .5	ESE .5	Calm	S 1	Calm	S 1	S .5	N .5	.6
26	SW .5	SSW 1	SSW 1	ESE 2	ENE .5	ENE .5	Calm	E 1.5	N 1.5	N .5	NE .5	E .5	.8
27	W 2.5	SW .5	SW .5	SW .5	SW .5	Calm	Calm	SE 2	SE 1	NE 1	N .5	N 1	.7
28	NNE 4	NE 1.5	E 4.5	SE .5	SE 1	SE 1	NE 2.5	NNE 1.5	E .5	NE 1	E 1	SE 1	1.9
29	SSW 2.5	N 1.5	NNW 4	NNW 2.5	N 1	N .5	NW 1	Calm	NE .5	NNW 1.5	N 1.5	NNW 1.5	1.1
30	ENE 1.5	NE 2.5	NE 3.5	NE 1.5	ENE 2.5	E .5	Calm	Calm	S .5	N .5	Calm	Calm	1.2
31	W 2.5	WSW 1.5	WSW .5	N .5	E .5	ESE 1	E .5	Calm	Calm	E .5	NW 1	Calm	1
Mean	1.9	1.7	1.6	1.3	0.8	0.8	0.5	0.8	0.5	0.5	0.5	0.5	0.9

WIND—VELOCITY IN KILOMETERS PER HOUR

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	3.5	0	1.5	3	2	1	2	2	7	**12**	3	7.5
2	.5	.5	0	0	.5	.5	1	1.5	4.5	2.5	3	10
3	4	5.5	4.5	6	8	7	5.5	5.5	5	6	4	11
4	5	3.5	2.5	3.5	2.5	5	3	6	5	9	11	**12**
5	2.5	4.5	4	5	4.5	6.5	2.5	3.5	3.5	4.5	**14.5**	12.5
6	4	7	7.5	4	3	3.5	5.5	6.5	4.5	7.5	9	12
7	0	0	0	0	0	2.5	1	3.5	10	8	7.5	10
8	.5	.5	.5	1	.5	.5	1	1	7	8	8.5	10
9	0	1.5	3	3	3	3.5	5.5	2.5	4	5.5	**13**	10
10	2.5	2.5	4	4	4.5	1.5	2	0	2	3.5	2.5	4.5
11	1	1.5	1.5	2	1.5	4.5	3	3	3.5	5	4.5	3.5
12	3.5	3	0	1	4	6	8	1.5	3.5	.5	8.5	12
13	1.5	.5	0	1.5	0	.5	1	3.5	2.5	4.5	5	11
14	4	3	1.	0	.5	.5	1	7	6.5	2.5	8	5
15	1	0	4	3	3.5	4	.5	3	1	1	9	8
16	1.5	3.5	2	2	.5	2	2.5	.5	2.5	5	**11**	8.5
17	0	0	0	1	.5	.5	.5	1.5	1.5	1.5	**12**	9
18	2.5	1	2.5	2	2.5	3.5	4	3	4	5	6	6
19	1	1	1	0	1	1.5	2.5	3	2	1	**11**	7
20	.5	1	2	1	2	0	2	3.5	5.5	4	5	9
21	0	0	0	.5	0	.5	0	.5	0	1.5	**9**	6
22	.5	1.5	.5	2.5	3	4	3	3	4	1.5	6.5	5
23	0	.5	2.5	3.5	3.5	2.5	2.5	2	1	2	**9**	10
24	0	.5	0	0	0	0	0	0	0	5	**13**	11
25	.5	1.5	4.5	2	4.5	3	3	2	2	3.5	**12**	7.5
26	.5	2.5	1	.5	2.5	3	2	1	3	7	**11**	10
27	1.5	1.5	1	1	3	3	0	1	3	4	**11**	10
28	3	1.5	3	4.5	3.5	7.5	10	9	11.5	11.5	**17**	11
29	3	3.5	2	3.5	1	1	.5	.5	.5	3.5	7	5.5
30	6.5	5	7.5	5	5	2	5	3	2	6	13	8
31	2.5	2.5	2	3	3.5	3.5	0	0	1	4.5	3	6
Mean	**1.8**	2	2.1	2.2	2.4	2.7	2.6	2.7	3.6	4.7	8.6	8.7

AMOUNT OF CLOUDS (0–10)

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.	
														h.	*m.*
1	7	4	8	5	5	7	7	10	10	8	7	7	7.1	4	40
2	5	7	6	9	9	7	7	7	5	10	3	2	6.4	3	00
3	7	9	3	3	7	10	6	9	10	9	7	7	7.2	1	55
4	8	9	7	9	10	9	9	10	10	10	9	9	9.1	0	45
5	8	8	8	10	10	8	8	9	10	9	9	9	8.8	1	05
6	6	6	6	6	6	4	7	9	10	8	9	10	7.2	3	25
7	3	6	6	4	6	6	6	4	5	9	9	10	6.2	6	30
8	3	2	4	3	4	3	4	3	2	2	4	4	3.2	8	30
9	4	1	1	4	4	6	6	6	5	2	2	1	3.5	6	25
10	9	8	8	7	7	6	7	9	9	9	8	7	7.8	1	45
11	1	3	3	4	4	4	4	2	2	1	2	2	2.7	6	25
12	1	1	1	1	2	3	3	4	2	2	1	1	1.8	8	15
13	1	0	1	1	1	2	3	4	4	8	5	5	2.9	7	15
14	8	5	9	9	9	9	10	10	9	9	8	9	8.7	2	15
15	3	3	5	7	8	8	9	7	9	8	8	6	6.8	3	00
16	4	8	5	9	9	9	9	9	9	9	9	9	8.2	2	05
17	3	4	4	8	9	9	10	10	10	10	10	10	8.1	2	30
18	6	7	5	6	9	9	9	9	9	7	7	3	7.2	3	10
19	5	9	9	8	10	9	8	9	9	7	7	7	8.1	1	20
20	4	3	5	4	7	6	8	9	9	10	9	9	6.9	4	10
21	5	2	2	5	5	9	8	9	8	10	8	8	6.6	3	35
22	4	3	4	8	10	7	9	7	9	9	9	9	7.3	5	35
23	6	5	4	3	5	7	4	9	9	10	10	5	6.4	5	45
24	1	0	0	0	1	1	2	1	1	2	4	1	**1.2**	**8**	**35**
25	2	1	1	4	8	4	9	9	9	6	3	1	4.8	4	45
26	7	9	7	4	5	9	6	9	10	10	9	5	7.5	4	00
27	8	10	8	6	10	9	8	9	8	9	8	7	8.3	3	35
28	2	2	4	5	7	8	9	10	10	6	10	10	6.9	4	55
29	9	9	9	9	9	9	9	9	10	10	10	10	**9.3**	**0**	**00**
30	5	7	7	5	5	6	7	8	8	8	9	8	6.9	5	15
31	5	5	6	5	5	4	4	3	3	2	3	1	3.8	6	35
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	131	00
Mean	**4.8**	5	5	5.5	6.6	6.7	6.9	**7.5**	**7.5**	7.4	7	6.2	6.4	4	14

The monthly mean of the sunshine in our "Monthly Bulletin" should be $4^h\ 14^m$ instead of $4^h\ 12^m$.

WIND—VELOCITY IN KILOMETERS PER HOUR

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–Mdt.	Mean.
6.5	5	6.5	5.5	3.5	1	1	2.5	1	1.5	0.5	0.5	3.3
9	8	**16**	12	2	5.5	0	3.5	4	2	3	3	3.9
12	2.5	4.5	8	1.5	1	2.5	6	8	6	7	9	5.8
9	8.5	7.5	2.5	3.5	6	7	6.5	4	2.5	1.5	.5	5.3
12	8	8	2	2	5	4	2	0	.5	0	2.5	4.8
14	11	13	**15**	6	4	4	6	6	6.5	1	0	6.7
12	8	**13**	10	12	10	3	5.5	3	.5	1	1.5	5.1
10.5	**14.5**	9.5	9.5	5.5	4	1.5	2.5	4	2.5	3	3	4.5
13	12	8	8	4.5	6.5	9.5	2	1	3	2	.5	5.2
2.5	**11**	2.5	3.5	2.5	3	2.5	2.5	3	.5	1	0	2.8
11.5	**17**	16	15	10	3	4	6	3	5	3	3.5	5.5
14	13	**14**	10	7	1	2	5	4	4	2.5	1	5.4
12	10	8	10	6.5	2	1	3.5	4	1.5	1.5	1	3.9
10.5	8.5	9	10	8.5	5.5	4	1.5	0	0	0	0	4
9.5	8	5	3	0	3	.5	1	2.5	4	1	1	3.2
9	8.5	8	3	1.5	2	.5	0	0	0	0	0	3.1
9	8	6	7	4	2	.5	.5	.5	2.5	0	3	3
4	2.5	5	**6.5**	3	2.5	2	2	2	3.5	2	1	3.2
10.5	4.5	9	8	6	10	2.5	.5	1	1	3	1.5	3.7
12	10	6	5	9	7.5	4	4	2.5	3.5	3.5	1	4.3
5	3	3	7	1.5	.5	0	0	1	1	1	1	**1.8**
8	13.5	**16.5**	11	8	7	4	4	3	1	1	1	4.7
9	**13.5**	7.5	6	4	0	0	0	0	1	.5	0	3.4
12	11	10	6.5	1	.5	3	5	2	2	1.5	1.5	3.6
5	4	7	5.5	3.5	2	3	5	3	4	3	3	3.9
6	8.5	7.5	6.5	1	.5	1	2	5	2	2	3	3.7
11	7	6	4	3.5	3	2.5	6	4	3	3	3	4
16	10.5	10.5	7	4	8.5	10.5	5.5	4	2.5	2.5	2.5	**7.4**
5.5	7	**15**	9	12	5	3	2	2	3	7	7	4.5
11.5	17.5	**19**	14	13	6.5	1	1	1	0	1	3	6.5
13	9	6	9	5	7	5	1	.5	.5	2	1.5	3.8
9.8	9.1	9.1	7.7	5	4	2.9	3	2.5	2.3	2	1.9	4.3

FREQUENCY OF THE WIND

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	4	1	5	1	2	.....	.....	.....	1	1	1	.....	.....	.....	3	.....	5	79.5	1.3	4.3
2	3	3	6	.....	.....	.....	1	.....	.....	.....	2	1	.....	.....	.....	.....	8	92.5	2.7	.....
3	11	3	4	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	140	1.4	1.6
4	5	8	4	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	5	127	1.5	.....
5	6	4	2	3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	5	114	1.6	.5
6	1	1	5	1	4	1	4	1	1	.....	1	1	.....	.....	.....	.....	3	160.5	2.3	1.9
7	1	.....	6	.....	4	3	3	1	1	.....	4	.....	.....	.....	.....	.....	1	122	2.8	.....
8	.....	1	2	.....	4	3	4	2	2	.....	.....	.....	.....	.....	.....	1	5	109	3.1	.5
9	1	1	3	.....	.....	1	.....	.....	1	.....	1	1	.....	4	2	2	7	124.5	2.7	.....
10	2	1	3	.....	.....	.....	1	.....	.....	.....	2	1	.....	.....	.....	.....	14	68	1.6	.....
11	3	4	5	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	131.5	3.4	.....
12	1	.....	5	.....	.....	.....	.....	.....	.....	1	1	2	3	2	1	.....	8	129	3.1	.....
13	3	1	4	.....	1	.....	3	.....	1	.....	2	.....	.....	1	.....	.....	8	92.5	3	.....
14	5	7	2	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	8	96.5	3	.....
15	4	.....	3	.....	.....	.....	.....	.....	.....	.....	2	1	2	.....	.....	.....	12	76.5	2	.....
16	3	1	2	.....	.....	.....	.....	.....	.....	.....	.....	3	3	2	.....	.....	10	74	2.2	.....
17	6	.....	.....	.....	.....	1	.....	.....	1	.....	.....	1	5	2	1	.....	7	71	2.3	.....
18	7	5	7	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	3	78	2.1	.....
19	2	.....	.....	.....	3	1	.....	.....	.....	.....	.....	1	.....	3	1	.....	13	89.5	2.4	.....
20	2	.....	1	1	6	.....	1	.....	.....	.....	.....	1	2	1	.....	.....	9	103.5	2.7	.....
21	3	.....	3	1	1	.....	.....	.....	.....	.....	1	1	.....	.....	1	.....	13	42	1.1	13.2
22	2	3	6	2	3	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	113	2.5	2.9
23	1	.....	5	.....	1	1	.....	.....	.....	.....	.....	1	2	2	.....	.....	11	80.5	2.7	.4
24	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	3	2	2	.....	1	.....	13	85.5	2.9	.....
25	2	1	.....	.....	.....	2	.....	1	3	2	2	.....	3	.....	.....	.....	8	94	2.2	.....
26	3	.....	2	2	2	1	.....	.....	.....	2	1	3	1	.....	2	.....	5	89	2.1	.....
27	3	2	4	.....	.....	.....	2	.....	.....	.....	4	1	1	1	.....	.....	6	96	2.3	.....
28	2	4	8	.....	3	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	2	1	177	2.9	.3
29	4	1	3	.....	1	1	.....	.....	1	1	2	.....	.....	.....	1	4	5	109	2.6	.....
30	4	.....	5	2	1	.....	.....	.....	1	.....	1	.....	.....	.....	4	2	4	156.5	3.8	.....
31	1	2	2	.....	3	1	.....	.....	.....	.....	1	2	2	.....	4	1	5	91	3.5	.....
Total	95	54	107	19	46	21	23	5	13	7	32	24	26	18	23	16	215	3,212.5	75.8	25.6
Mean	3.1	1.7	3.5	0.6	1.5	0.7	0.7	0.2	0.4	0.2	1	0.8	0.8	0.6	0.7	0.5	6.9	103.6	2.4	0.8

EXTREME VALUES

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure
	mm.		°*C.*		*Per cent.*	*mm.*	*mm.*		°*C.*		*Per cent.*	*mm.*
1	761.25	10.15p.	31	11.10a.	97	22.6	758.70	1.30p.	22.8	4.50a.	65	20.2
2	61.45	9.45a.	30.9	1.45p.	97	21.3	58.60	2.30p.	21.8	11.45p.	63	17.7
3	60.85	8.25a.	30	11.05a.	95	21.9	57.80	2.05p.	21.9	0.05a.	70	17.7
4	59.10	0.05a.	28.1	10.05a.	97	22.6	55.70	4.30p.	22.5	1.00a.	**76**	19.3
5	**57.90**	8.10a.	30.8	0.40p.	97	**23.3**	**55.20**	2.30p.	23.2	4.55a.	73	20.6
6	58.60	11.00p.	31.9	1.35p.	97	22.7	55.89	3.00p.	23.2	5.20a.	63	20.6
7	59.65	10.55p.	**32.5**	2.05p.	97	22.3	57	2.20p.	23.2	6.30a.	62	**20.8**
8	60.41	9.00a.	**32.5**	2.50p.	97	22.6	57.05	3.40p.	22.7	6.25a.	64	19.8
9	60.50	11.55p.	31.1	2.20p.	97	22.8	58	3.15p.	22.6	Midnight.	71	19.1
10	62	9.10a.	30	0.15p.	96	21.6	58.85	3.05p.	21.8	3.00a.	68	18.7
11	61.80	8.30a.	32.1	2.55p.	**98**	19.9	59.05	3.15p.	20.9	6.20a.	**47**	16.2
12	61.10	9.00a.	30.6	3.15p.	96	20.8	58.15	3.25p.	20.6	6.25a.	62	17.4
13	60.35	8.30a.	31.5	1.55p.	95	21.7	56.75	3.20p.	20.9	6.15a.	63.5	17.5
14	59.50	8.55a.	29.4	0.10p.	92	19.8	56.40	2.35p.	**23.3**	6.40a.	64	17.9
15	60.55	9.10a.	29.5	2.10p.	93	20.7	57.80	3.45p.	21.2	6.35a.	68	17.4
16	61.05	10.10p.	28.6	0.10p.	96	21.1	58.65	3.20a.	21.8	4.15a.	71	18.5
17	62.05	8.55a.	29	1.40p.	90	20	59.70	2.35p.	22.2	6.45a.	68	18.3
18	62.80	8.55a.	29.9	1.50p.	92	20.4	60	4.05p.	21.6	11.55p.	68	17.8
19	63.60	9.05a.	29.4	0.30p.	93	19.1	60.95	3.45p.	21	5.50a.	61	17.3
20	63.65	8.35a.	29.7	0.20p.	94	20.9	60.85	3.30p.	20.5	4.40a.	66	17.3
21	63.45	10.55p.	29.4	0.35p.	**98**	22	**61.40**	2.55p.	21.4	5.45a.	64.5	18.5
22	63.40	8.50a.	31.5	2.25p.	97	19.8	60.70	2.50p.	20.5	5.25a.	59	17.8
23	63.05	0.05a.	30.1	1.50p.	96	21.5	60	2.10p.	21.4	6.30a.	69	18.2
24	61.75	0.05a.	30.1	2.40p.	96	20.5	58.53	3.00p.	20.3	6.25a.	61	17.2
25	61.05	9.55a.	30.5	0.35p.	97	21	58.95	2.55p.	20.9	6.15a.	63	18
26	61.65	8.25a.	30.5	1.55p.	96	21.9	58.95	3.15p.	21.3	5.55a.	57	18.3
27	61.95	8.55a.	30.1	2.25p.	96	22	58.95	3.35p.	22	6.30a.	68.5	19.1
28	61.90	9.55p.	31.2	2.20p.	97	22.3	59.10	2.15p.	22.4	4.20a.	61	19.3
29	62.82	9.00a.	28.6	2.30p.	97	20.7	60.25	3.20p.	22.4	9.25p.	65	16
30	63.40	8.30a.	**28.4**	1.50p.	**88**	16.7	61.35	3.10a.	19.6	11.25p.	54.5	**14.3**
31	**64.80**	9.10a.	28.8	1.50p.	90	**15.9**	61.20	3.35p.	**18.5**	6.40a.	54.5	14.4
Mean	761.53	....	30.2	....	95.3	21	758.72	....	21.6	....	64.2	18.1

DAILY GENERAL REMARKS

1.... ● in the afternoon; ⌣ in the evening.
2.... Cloudy weather.
3.... d° in the morning; ● in the afternoon; convergence of Ci. toward SSE, ⌣ in the evening.
4.... d° in the afternoon; ⌣ in the evening.
5.... d° in the morning.
6.... d in the early morning; ● in the evening.
7.... T SSW in the afternoon.
8.... ⌒ in the afternoon; < E in the evening.
9.... ≡° in the morning.
10.... Overcast.
11.... Fair weather.
12.... As yesterday.
13.... Do.
14.... Overcast.
15.... Cloudy weather.
16.... d° in the afternoon.
17.... Overcast.
18.... Do.
19.... Do.
20.... d° 4.40 p. m.
21.... ●, T in the afternoon.
22.... ● in the afternoon and at night.
23.... d in the afternoon.
24.... Fair weather.
25.... d° in the afternoon.
26.... d° 4.03 p. m.
27.... Overcast.
28.... Cloudy weather.
29.... d° in the morning and evening.
30.... Cloudy weather.
31.... As yesterday.

The absolute minimum of the 18th in our "Monthly Bulletin" should be 21.6 °C. instead of 22.5 °C., and the monthly mean should be 21.6 °C. instead of 21.7 °C.

GENERAL SUMMARY FOR 1919

MONTHLY AND YEARLY RESULTS OF METEOROLOGICAL OBSERVATIONS FOR 1919 AND COMPARISONS WITH THEIR NORMAL VALUES.

Month.	Atmospheric pressure.									
	Mean, 1919.	Normal, 1885-1919.	Departure.	Mean maximum.	Mean minimum.	Absolute maximum.	Day.	Absolute minimum.	Day.	Range.
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*		*mm.*		*mm.*
January	762.64	761.17	+1.47	764.17	761.02	766.35	6	758.60	11	7.75
February	62.19	61.25	+ .94	63.85	60.39	67.50	6	57.18	22	10.32
March	61.06	60.52	+ .54	62.70	59.17	64.15	12	56.50	31	7.65
April	59.36	59.36	0	60.92	57.21	62.55	20	55.85	10	6.70
May	58.09	58.34	— .25	59.57	56.18	61.45	6	54.30	28	7.15
June	57.20	57.87	— .67	58.63	55.65	60.50	28	49.43	10	11.07
July	57.15	57.21	— .06	58.39	55.68	61.40	8	51.92	30	9.48
August	55.73	57.30	—1.57	57.14	54.43	59.75	17	50.80	20	8.95
September	58.37	57.47	+ .90	59.67	56.81	62.30	18	53.60	12	8.70
October	58.65	58.60	+ .05	60.02	57.05	61.99	27	54.90	15	7.09
November	59.11	59.37	— .26	60.43	57.51	62.15	29	55.60	11	6.55
December	60.23	60.31	— .08	61.53	58.72	64.80	31	55.20	5	9.60
Year	759.148	759.064	+0.084	760.58	757.48	767.50	II 6	749.43	VI 10	18.07

Month.	Temperature in shade.									
	Mean, 1919.	Normal, 1885-1919.	Departure.	Mean maximum.	Mean minimum.	Absolute maximum.	Day.	Absolute minimum.	Day.	Range.
	°C.	°C.	°C.	°C.	°C.	°C.		°C.		°C.
January	24.3	24.8	—0.5	30.8	19.2	32.7	26	16.3	24	16.4
February	25.2	25.2	0	32	19.6	33.9	22	16.7	3, 4	17.2
March	26.7	26.6	+ .1	34.2	20.3	36.2	25	17.1	6	19.1
April	29	28.1	+ .9	36.1	23	37.7	16	19.8	17	17.9
May	29.1	28.4	+ .7	35.6	24.1	37.7	12, 13	21.1	1	16.6
June	27.6	27.9	— .3	32	24.4	35	1	22.9	3	12.1
July	26.6	27	— .4	31	23.3	33.9	12, 13	20.8	2	13.1
August	25.9	27	—1.1	28.5	23.9	31.8	22	22.5	25	9.3
September	26.5	26.8	— .3	31.1	23.2	32.9	21	20.8	24	12.1
October	26.2	26.6	— .4	30.9	23.3	32.5	16	21.6	1, 24	10.9
November	25.5	25.8	— .3	30.9	22.4	33.3	4	19.2	26	14.1
December	25.1	25.1	0	30.2	21.6	32.5	7, 8	18.5	31	14
Year	26.5	26.6	—0.1	31.9	22.4	37.7	IV 16; V 12, 13	16.3	I 24	21.4

Month.	Relative humidity.									
	Mean, 1919.	Normal, 1885-1919.	Departure.	Mean maximum.	Mean minimum.	Maximum.	Day.	Minimum.	Day.	Range.
	Per cent.	*Per cent.*	*Per cent.*	*Per cent.*	*Per cent.*	*Per cent.*		*Per cent.*		*Per cent.*
January	78.4	78.1	+0.3	94.6	56.9	99	12	42	27	57
February	72.8	74	—1.2	91.7	50.3	97	2	42	7	55
March	66.6	71.5	—4.9	87.3	44.1	93	2, 5	33	16	60
April	65.5	69.8	—4.3	85.6	43.1	96	1	33	16	63
May	73.1	75.9	—2.8	91.6	50.6	98	28	27	1	71
June	82.4	80.9	+1.5	95	67	100	10	51	1	49
July	85.5	85	+ .5	96.2	70.2	99	29, 30	52	10	47
August	90.1	85.2	+4.9	96.9	80.6	100	6	64	22	36
September	83.6	85.8	—2.2	96.1	67.8	98	3, 20	56	21	42
October	87	84	+3	97.2	69.4	99	various	54.5	14	44.5
November	84.9	82.7	+2.2	96.2	66.6	99	18	52	4	47
December	83.4	81.5	+1.9	95.3	64.2	98	11, 21	47	11	51
Year	79.4	79.5	—0.1	93.6	60.9	100	VI 10; VIII 6	27	V 1	73

MONTHLY AND YEARLY RESULTS OF METEOROLOGICAL OBSERVATIONS, ETC.—Continued

Month.	Vapor pressure.									
	Mean, 1919.	Normal, 1885-1919.	Departure.	Mean maximum.	Mean minimum.	Maximum.	Day.	Minimum.	Day.	Range.
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*		*mm.*		*mm.*
January	17.5	18.1	—0.6	19.3	15.8	23.1	3	13.1	23, 24	10
February	17	17.5	— .5	18.9	15.5	21.2	8	13.2	11	8
March	16.9	18.1	—1.2	18.8	15.1	22.1	24	11.5	16	10.6
April	19	19.4	— .4	20.8	17.1	24.4	9	13.6	17	10.8
May	21.4	21.6	— .2	23.1	19.6	25.5	22	12.7	1	12.8
June	22.4	22.3	+ .1	24	21.1	25.2	27	19.5	3, 22	5.7
July	21.9	22.4	— .5	23.5	20.5	25	31	18.3	2	6.7
August	22.2	22.4	— .2	23.5	21	26	2	19.6	22	6.4
September	21.4	22.4	—1	22.8	19.8	23.8	2	17	24	6.8
October	21.8	21.6	+ .2	23.2	20.4	25	5	18	1	7
November	20.4	20.3	+ .1	22.2	18.8	23.8	11	15.2	26	8.6
December	19.6	19.2	+ .4	21	18.1	23.3	5	14.3	30	9
Year	20.1	20.4	—0.3	21.8	18.6	26	VIII 2	11.5	III 16	14.5

Month.	Relative frequency of the wind from—											
	NNE-E.			ESE-S.			SSW-W.			WNW-N.		
	Mean, 1919.	Normal, 1885-1919.	Departure.	Mean, 1919.	Normal, 1885-1919.	Departure.	Mean, 1919.	Normal, 1885-1919.	Departure.	Mean, 1919.	Normal, 1885-1919.	Departure.
January	10	7.6	+2.4	5	3.5	+1.5	3	3.3	—0.3	2	4	—2
February	8	7.3	+ .7	7	5.2	+1.8	4	3.6	+ .4	3	2.9	+ .1
March	8	6.9	+1.1	10	7.5	+2.5	3	3.5	— .5	1	2	—1
April	6	5.7	+ .3	11	8.2	+2.8	3	3.9	— .9	2	1.8	+ .2
May	6	4.9	+1.1	7	5.5	+1.5	6	6.2	— .2	2	2.4	— .4
June	4	4.3	— .3	5	5.1	— .1	9	7.3	+1.7	2	2.3	— .3
July	6	3.1	+2.9	3	3.7	— .7	8	10.1	—2.1	3	2.5	+ .5
August	0	2.4	—2.4	2	2.8	— .8	17	11.9	+5.1	2	2.2	— .2
September	3	3.1	— .1	3	3.3	— .3	6	9.7	—3.7	2	2.4	— .4
October	5	5.6	— .6	2	3.1	—1.1	4	5.1	—1.1	2	3.1	—1.1
November	7	7.5	— .5	2	2.5	— .5	2	3	—1	5	4.3	+ .7
December	7	8	—1	2	2.1	— .1	3	2.6	+ .4	5	4.6	+ .4
Year	5.8	5.5	+ .3	4.9	4.4	+0.5	5.67	5.85	—0.18	2.6	2.9	—0.3

Month.	Velocity of the wind.										
	Mean, 1919.	Total, 1919.	Normal, 1893-1919.	Departure.	Daily maximum.	Day.	Daily minimum.	Day.	Range.	Hourly maximum.	Day and hour.
	Km.	*Km.*	*Km.*	*Km.*	*Km*		*Km.*		*Km.*	*Km.*	
January	154.9	4,802	5,223	— 421	209	26	83.5	3	125.5	26	29, noon-1p.
February	183	5,124	5,348	— 224	241.5	9	96.5	5	145	27	6, noon-1p.
March	224.4	6,957.5	6,804.5	+ 153	296.5	27	173	29	123.5	28	27, 2-3p.
April	208	6,239.5	6,845.5	— 606	272.5	21	143.5	11	129	26.5	20, 3-4p.
May	193.6	6,000.5	6,898.3	— 897.8	284	18	106.5	25	177.5	33	3, 1-2p.
June	238	7,141.5	6,732.5	+ 409	512	10	114	2	398	42.5	10, 6-7a.
July	167.4	5,189.5	8,248.7	— 3,059.2	518.5	31	64	20	454.5	40	31, 2-3p.
August	416.4	12,908	9,588.5	+ 3,319.5	779	8	98	28	681	54	20, 6-7p.
September	126.2	3,786.5	7,706.6	— 3,920.1	303.5	1	30.5	16	273	30	1, noon-1p.
October	116.1	3,599.5	5,397	— 1,797.5	270	3	46	8	224	24	3, 6-7p.
November	114.3	3,428.5	4,842.4	— 1,413.9	246	18	62.5	2	183.5	20.5	11, 10-11a.
December	103.6	3,212.5	4,802.6	— 1,590.1	177	28	42	21	135	19	30, 2-3p.
Year	187.2	68,389.5	78,437.6	—10,048.1	779	VIII 8	30.5	IX 16	748.5	54	VIII 20, 6-7p.

MONTHLY AND YEARLY RESULTS OF METEOROLOGICAL OBSERVATIONS, ETC.—Continued.

Month.	Duration of sunshine.											Amount of clouds.		
	Mean, 1919.		Total, 1919.		Normal, 1890–1919.		Departure.		Maximum.		Day.	Mean, 1919.	Normal. 1885–1919.	Departure.
	h.	*m.*	*h.*	*m.*	*h.*	*m.*	*h.*	*m.*	*h.*	*m.*		*0-10.*	*0-10.*	*0-10.*
January	6	40	206	25	184	20	+22	05	10	05	31	4.4	5.5	—1.1
February	8	05	226	30	196	17	+30	13	10	30	23	3.7	4.9	—1.2
March	8	40	268	50	236	30	+32	20	11	35	25	3.1	4.4	—1.3
April	9	32	285	55	261	39	+24	16	11	45	27	3.4	4.1	— .7
May	7	35	235	15	230	30	+ 4	45	11	40	1	5.7	5.7	0
June	5	38	169	00	170	51	— 1	51	10	05	4	6.5	7	— .5
July	4	17	132	40	142	21	— 9	41	9	25	15	7.5	7.8	— .3
August	1	30	46	35	138	41	—92	06	8	30	22	9.5	7.9	+1.6
September	4	55	147	40	134	46	+12	54	9	55	30	6.8	7.7	— .9
October	3	54	120	40	164	02	—43	22	10	05	2	6.7	6.8	— .1
November	5	08	153	45	162	57	— 9	12	9	40	9	6.2	6.3	— .1
December	4	14	131	00	154	43	—23	43	8	35	24	6.4	6.2	+ .2
Year	5	51	2,124	15	2,177	37	—53	22	11	45	IV 27	5.8	6.2	— .4

Month.	Evaporation.							
	Total, 1919.	Normal, 1910–1919.	Departure.	Maximum.	Day.	Minimum.	Day.	Range.
	mm.	*mm.*	*mm.*	*mm.*		*mm.*		*mm.*
January	114.2	107.3	+ 6.9	5.8	31	1.8	4	4
February	141.4	133.3	+ 8.1	6.4	23	1.6	8	4.8
March	206	180.7	+25.3	7.8	6, 8, 25	4.3	20	3.5
April	228	187.8	+40.2	10	20, 21	4.4	9	5.6
May	184.4	155.1	+29.3	10.4	1	.8	29	9.6
June	95.6	110.5	—14.9	4.9	23	0	10	4.9
July	67	73.6	— 6.6	4.4	10	0	various	4.4
August	36.4	72.9	—36.5	3.6	22	0	do.	3.6
September	83.6	68.6	+15	4.4	30	.8	11	3.6
October	65.6	74.5	— 8.9	4.3	3	0	8	4.3
November	72.2	80.1	— 7.9	4.1	4	0	18	4.1
December	75.8	86.6	—10.8	3.8	30	1.1	21	2.7
Year	1,370.2	1,331	+39.2	10.4	V 1	0	various	10.4

Month.	Rainfall.									
	Total, 1919.	Normal, 1865–1919.	Departure.	Daily maximum.	Day.	Hourly maximum.	Day and hour.	Rainy days, 1919.	Normal, 1866–1919.	Departure.
	mm.	*mm.*	*mm.*	*mm.*		*mm.*				
January	6.6	26.1	— 19.5	3.6	4	2.8	4, 6–7a.	5	5	0
February	10.7	10.3	+ .4	10.7	8	6.9	8, 3–4p.	1	3	— 2
March	1.9	18.5	— 16.6	1.5	31	1.4	31, 7–8p.	2	3	— 1
April	.9	33.5	— 32.6	.9	9	.9	9, 3–4p.	1	4	— 3
May	144.3	105.6	+ 38.7	44.4	27	40.9	27, 8–9p.	9	10	— 1
June	265.7	234.7	+ 31	182.6	10	51.8	10, noon–1p.	21	16	+ 5
July	810.1	410.8	+ 399.3	293.5	29	45.5	1, 9–10p.	20	21	— 1
August	1,983	392.8	+1,590.2	227.9	25	61.7	7, 4–5p.	30	22	+ 8
September	176	366.3	— 190.3	34	15	29.5	15, 6–7p.	16	20	— 4
October	357.3	193.1	+ 164.2	65.5	19	44.3	4, 1–2a.	27	17	+10
November	138.5	128.2	+ 10.3	39.4	10	18.8	10, 6–7p.	14	12	+ 2
December	25.6	61.4	— 35.8	13.2	21	5.6	21, 1–2p.	9	9	0
Year	3,920.6	1,981.3	+1,939.3	293.5	VII 29	61.7	VIII 7, 4–5p.	155	142	+13

DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES
WEATHER BUREAU
REV. JOSÉ ALGUÉ, S. J., DIRECTOR

ANNUAL REPORT OF THE WEATHER BUREAU

FOR THE YEAR 1919

PART III

METEOROLOGICAL OBSERVATIONS MADE AT THE SECONDARY STATIONS DURING THE CALENDAR YEAR 1919

MANILA
BUREAU OF PRINTING
1922

188585

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FOR THE YEAR 1919

PART III

METEOROLOGICAL OBSERVATIONS MADE AT THE SECONDARY STATIONS DURING THE CALENDAR YEAR 1919

MANILA
BUREAU OF PRINTING
1922

188585

TABLE OF CONTENTS

PART III

Page.
Introduction 5

First and second class stations:

- Zamboanga (II) 9
- Yap, Western Carolines (II) 21
- Tagbilaran (II) 33
- Surigao (II) 45
- Cebu (I) 57
- Iloilo (I) 69
- Tacloban (II) 81
- Capiz (II) 93
- Calbayog (II) 105
- Legaspi, Albay (I) 117
- Atimonan (I) 129
- Ambulong, Tanauan, Batangas (II) 141
- Paracale (II) 153
- San Isidro, Nueva Ecija (II) 165
- Dagupan (I) 177
- Baguio (I) 189
- Vigan (II) 201
- Tuguegarao (II) 213
- Laoag (II) 224
- Aparri (I) 236

Third class and rain stations:

- Jolo (III) 251
- Davao (III) 254
- Cagayan (III) 257
- Butuan (III) 260
- Dumaguete (III) 263
- Iwahig (III) 266
- Maasin, Leyte (III) 269
- San Jose de Buenavista (III) 272
- Cuyo (III) 275
- Ormoc (III) 278
- Guiuan (III) 281
- Borongan (III) 284
- Catbalogan (III) 287
- Masbate (R) 290
- Romblon (III) 293
- Batag Lighthouse, Laoang (III) 296
- Sorsogon (III) 299
- Sumay, Guam (III) 302
- Calapan (III) 305
- Virac (III) 308
- Naga, Ambos Camarines (III) 311
- Batangas (III) 314
- Lucena (III) 317
- Canluban, Calamba (R) 320
- Santa Cruz, Laguna (III) 323
- Antipolo (R) 326
- Iba (III) 329
- Bolinao (R) 332
- San Fernando, La Union (III) 335
- Echagüe (III) 338
- Candon (R) 341
- Cape Bojeador (R) 344
- Basco (III) 347

Annual summaries for first and second class stations, 1919 351

INTRODUCTION

In this volume (Part III) of the report of the Weather Bureau for 1919 we publish the meteorological observations made in the various stations which at present constitute the meteorological service of the Philippines, a service established by Act No. 131 of the Philippine Commission, May 22, 1901.

In Part II of the report for 1902, pages 52 to 60, will be found a detailed account of the establishment and organization of these branch stations and a list of the instruments with which they are equipped, according to their class.

The report of the various observers are carefully collated and examined at the Central Observatory, but it is evident that the Directors cannot assume the full responsibility for the accuracy of these observations. As every meteorologist knows, in observations of this kind much must be left to the conscientious care of the observer. Hence, while we take this opportunity to express our confidence in our observers, we think it proper to subjoin the following list, which gives some particulars about the stations and also the names of the observers who are primarily responsible for the accuracy of the observations in this volume (Part III) of the Annual Report of the Weather Bureau.

SECONDARY STATIONS AND OBSERVERS OF THE WEATHER BUREAU, 1919

Town.	Province.	North latitude.		East longitude.		Observer.	Class.
		°	′	°	′		
Jolo	Sulu	6	03	121	00	Meliton Cedeño Agaton S. Edmilao	III
Zamboanga	Zamboanga	6	54	122	05	Juan Lugod	II
Davao	Davao	7	01	125	35	Lamberto Garcia	III
Cagayan	Misamis	8	29	124	38	Juan Hernandez	III
Butuan	Agusan	8	56	125	32	Generoso Copin	III
Dumaguete	Oriental Negros	9	18	123	19	Matias Ordiales	III
Yap	Western Carolines	9	29	138	08	Prudencio Z. Urbiztondo	II
Tagbilaran	Bohol	9	38	123	51	Anacleto Inciong	II
Iwahig	Palawan	9	44	118	38	Dionisio Crisanto	III
Surigao	Surigao	9	48	125	29	Rufino de la Cruz	II
Maasin	Leyte	10	08	124	50	Aguedo P. Espina	III
Cebu	Cebu	10	18	123	54	Ezequiel Reinoso Segundo Peñaflorida	I
Iloilo	Iloilo	10	42	122	34	Ricardo A. Luna	I
San Jose de Buenavista	Antique	10	44	121	55	Teodoro Peñeiro Nicanor Grajo	III
Cuyo	Palawan	10	51	121	01	Roman Kabigting	III
Ormoc	Leyte	11	00	124	36	Severo Bande	III
Guiuan	Samar	11	02	125	44	Patricio Yabao	III
Tacloban	Leyte	11	15	125	00	Jose C. Nevado	II
Capiz	Capiz	11	35	122	45	Pedro M. Asturias	II
Borongan	Samar	11	37	125	26	Godofredo Bacolo	III
Catbalogan	do	11	47	124	54	Clemente M. Letaba	III
Calbayog	do	12	04	124	36	Segundo Peñaflorida Teodoro Peñeiro	II
Masbate	Sorsogon	12	22	123	36	Vicente M. Sañano	IV
Romblon	Romblon	12	35	122	16	Dolorito Contreras	III
Batag Lighthouse, Laoang.	Samar	12	40	125	04	Placido A. Edroso	III
Sorsogon	Sorsogon	12	58	124	00	Agustin Mendoza	III
Legaspi, Albay	Albay	13	09	123	45	Bernardino Costa	I
Sumay, Guam	Ladrone Islands	13	24	144	38	William Pimley	III
Calapan	Mindoro	13	25	121	11	Aquilino Nokom	III
Virac	Albay	13	35	124	14	Eusebio Talion	III

SECONDARY STATIONS AND OBSERVERS OF THE WEATHER BUREAU, 1919—Continued

Town.	Province.	North latitude.		East longitude.		Observer.	Class.
		°	′	°	′		
Naga	Ambos Camarines	13	37	123	11	Eduardo Ontengco	III
Batangas	Batangas	13	45	121	03	Jose N. Cabrera	III
Lucena	Tayabas	13	56	121	37	Vicente Valderrama	III
Atimonan	....do	14	00	121	55	Pedro Baltasar	I
Ambulong, Tanauan	Batangas	14	07	121	04	Gregorio Peralta	II
Canluban, Calamba	Laguna	14	13	121	07	Nicolas Princena	IV
Paracale	Ambos Camarines	14	17	122	47	Benito Pelaez	II
Santa Cruz	Laguna	14	18	121	25	Doroteo Eusebio Ramon Elcano	III
Antipolo	Rizal	14	36	121	10	Valeriano Garcia	IV
San Isidro	Nueva Ecija	15	19	120	55	Bernardo Pecache	II
Iba	Zambales	15	20	119	58	Emiterio Mateo	III
Dagupan	Pangasinan	16	03	120	20	Jose M. Sison	I
Bolinao	....do	16	24	119	53	Tereso D. Solis	IV
Baguio	Mountain	16	25	120	36	Pastor P. Daroy Jose de Jesus	I
San Fernando	La Union	16	37	120	19	Estanislao F. Feraren	III
Echagüe	Isabela	16	42	121	39	Marciano Bugas	III
Candon	Ilocos Sur	17	12	120	26	Luis Quismorio	IV
Vigan	....do	17	34	120	23	Francisco Tiangco	II
Tuguegarao	Cagayan	17	36	121	40	Jose C. de Leon	II
Laoag	Ilocos Norte	18	12	120	35	Jose Saez Santiago Villaflor	II
Aparri	Cagayan	18	22	121	38	Manuel Delgado	I
Cape Bojeador	Ilocos Norte	18	31	120	36	Nicolas Aguirre	IV
Basco	Batanes	20	28	121	59	Claudio Castillejos Fernando Abad	III

REMARKS

The hours of observations at the first and second class stations are 2 a. m., 6 a. m., 10 a. m., 2 p. m., 6 p. m., 10 p. m.; at the third and fourth class stations, 6 a. m. and 2 p. m. The time used is that of the one hundred and twentieth meridian east of Greenwich.

The barometer readings are reduced to sea level and 0° C., but no correction has been applied to eliminate the effect of gravity depending on the latitude of the place of observation.

INTERNATIONAL SYMBOLS FOR CLOUD FORMS

Ci. = Cirrus.
Ci.-S. = Cirro-stratus.
Ci.-Cu. = Cirro-cumulus.
A.-Cu. = Alto-cumulus.
A.-S. = Alto-stratus.
S.-Cu. = Strato-cumulus.
N. = Nimbus.
Cu. = Cumulus.
Cu.-N. = Cumulo-nimbus.
S. = Stratus.
Fr.-Cu. = Fracto-cumulus.
Fr.-N. = Fracto-nimbus.
Fr.-S. = Fracto-stratus.
S.-cf. = Stratus-cumuliformis.
N.-cf. = Nimbus-cumuliformis.
M.-Cu. = Mammato-cumulus.

METEOROLOGICAL OBSERVATIONS MADE AT FIRST AND SECOND CLASS STATIONS DURING THE CALENDAR YEAR 1919

ZAMBOANGA

[$\phi = 6°\ 54'$ N; $\lambda = 122°\ 05'$ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.91 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.86	60.06	61.12	59.12	59.39	60.50	60.01	23.5	23.4	27.4	28	27	25	25.7	29.5	22.8	89	90	81	82	83	88	85.5	....
2..	59.75	60.20	60.49	58.86	59.42	60.51	59.87	24.9	24.7	30.1	27.8	27.3	25	26.6	31.7	23.9	93	94	65	88	82	87	84.8	0.8
3..	59.97	60.40	60.99	59.03	59.40	60.65	60.07	24.5	23.8	29.7	28	27.4	25.2	26.4	30.6	23.3	87	89	69	80	81	89	82.5	....
4..	60.36	60.61	61.70	59.60	59.88	60.68	60.47	24.3	23.8	26.9	27.7	27.5	25	25.9	28.6	23.4	89	92	89	83	84	90	87.8	1.5
5..	60.31	60.71	61.58	59.95	60.65	62.03	60.87	24.9	23.4	29	27.3	27	24.8	26.1	31.5	22.9	87	92	71	82	86	92	85	.3
6..	61.09	61.30	62.23	60.63	61.05	62.02	61.39	24.5	24	29.8	31.5	27.5	24.5	27	33	23.3	92	91	63	50	71	87	75.7	....
7..	61.02	61.47	61.69	59.60	60.44	62.08	61.05	23.5	22.8	26.1	27.3	26.6	24.6	25.2	28.5	21.8	87	89	87	84	85	88	86.7	2.3
8..	60.70	60.90	61.02	58.89	59.50	60.41	60.24	23.4	22.7	30.5	32	26.6	24.6	26.6	32.8	22	92	94	56	47	87	87	77.2	....
9..	59.69	59.97	60.85	58.65	58.82	60.15	59.69	24	23.2	30.7	27	26.5	24	25.9	32	22.8	87	92	55	77	80	83	79	....
10..	59.66	59.77	60.53	58.58	58.85	59.82	59.54	22.5	21.6	27.1	26.6	26.5	24.7	24.8	29.5	21.2	82	80	72	76	80	87	79.5	....
11..	58.82	59.15	60.04	58.49	58.69	60.07	59.21	23.5	22.5	26.4	27	26.7	23.7	25	28.1	21.5	87	89	77	75	79	81	81.3	....
12..	59.66	59.61	60.99	58.76	59	60.17	59.70	23.4	23.6	26.1	27.4	26.7	24.6	25.3	28.1	22.3	77	76	83	81	79	82	79.7	....
13..	59.75	59.89	61.13	59.11	59.31	60.76	59.99	23.6	23.8	26.8	27.9	26.6	24	25.4	32	22.8	89	88	84	80	84	83	84.7	....
14..	60.70	61.12	62.32	60.49	60.40	61.91	61.16	22.8	22.7	30.4	27.5	26.8	24	25.7	32.4	21.9	84	84	56	75	84	83	77.7	....
15..	61.26	61.55	62.44	60.38	60.55	61.82	61.33	23	22.2	30.2	27.2	26.7	24.6	25.6	31.8	21.5	83	82	52	73	72	80	73.7	....
16..	61.42	61.72	62.14	60.49	60.40	61.80	61.31	22.9	22	29.7	27.9	26.8	23.2	25.4	30.5	21.4	81	87	60	71	73	80	75.3	....
17..	61.12	61.32	62.52	60.87	61.13	62.36	61.55	22	21	30.2	27.5	26.9	25.3	25.5	32	20.4	82	85	58	79	79	80	77.2	....
18..	61.70	61.65	62.87	61.13	61.45	62.30	61.85	24	23	30.7	27.8	27.6	26.1	26.5	32.3	22.5	81	90	59	77	79	77	77.2	....
19..	61.61	62.37	63.13	61.20	61.70	63.10	62.18	25	23	30.5	27.1	26.5	24	26	31.5	22.5	76	70	54	72	80	79	71.8	....
20..	61.81	61.62	62.13	60.77	60.51	61.90	61.46	22.5	21.6	30.6	26.8	26.4	24.6	25.4	31.5	21.1	78	77	44	74	73	79	70.8	....
21..	61.15	61.52	62.38	60.04	60.53	62.05	61.28	23.7	22.4	26.4	27.2	27.7	24.2	25.3	29.2	21.8	77	79	79	70	76	82	77.2	5.1
22..	60.80	60.75	62.12	60.13	60.55	62.08	61.07	24.3	24.2	30	27.4	26.8	24.1	26.1	32.1	23.4	79	78	62	76	80	82	76.2	5.3
23..	60.85	60.62	61.42	59.77	59.94	61.29	60.65	24	22.8	30	29.5	27	25.4	26.4	31.9	22	83	90	59	64	77	77	75	....
24..	60.12	60.25	61	59.66	59.55	60.42	60.17	24.2	23.4	27.5	27.9	27.5	24.6	25.8	28.5	22.9	83	88	75	78	73	79	79.3	1
25..	59.71	60.07	60.96	58.88	59	60.19	59.80	24.3	22.8	30.3	28.1	27.6	25.4	26.4	31.5	22.5	81	93	59	73	76	80	77	....
26..	59.80	59.96	61.02	58.92	59.23	60.19	59.85	24.4	23.1	30.7	29	27.8	25.6	26.8	33	22.5	76	84	60	71	74	75	73.8	....
27..	59.85	59.86	60.57	58.85	59.70	60.50	59.89	23.2	22	30.3	26.8	27.6	24.7	25.8	31.5	21.2	75	77	49	71	67	79	69.7	....
28..	59.97	60	60.33	58.66	59.08	60.51	59.76	24.1	23.8	31.6	27.8	27.8	24.8	26.6	32.2	23.2	78	71	56	68	69	77	69.8	....
29..	59.96	60.25	61.38	59.32	59.95	60.88	60.29	23	21.8	31.2	27.3	27.2	26.2	26.1	32.5	21.2	84	84	44	71	76	76	72.5	....
30..	59.99	61	61.80	59.10	59.85	61.13	60.48	25.1	23.7	29.7	27.8	26.6	24.6	26.2	30.7	23.2	79	84	61	74	83	85	77.7	....
31..	60.40	60.85	61.37	59.40	59.95	61.10	60.51	23.9	23.2	30.8	27.5	26.7	25.4	26.2	31.6	22.6	84	85	60	77	85	90	80.2	1.5
Mean	60.41	60.66	61.49	59.59	59.93	61.14	60.54	23.8	23	29.3	27.9	27	24.7	25.9	31.1	22.3	83.3	85.3	64.5	74.2	78.6	82.7	78.1	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	Calm	SW	W	W	Calm	20.9	36.4	95.3	48.5	201.1	3	....	N.	4	Ci.	Fr.-Cu.
2..	SW	Calm	E	W	W	Calm	20.9	45.4	81.8	18.2	166.3	9	Ci.-S.	Fr.-N. E	4	Ci.	Cu.-N. NE
3..	E	Calm	E	SE	W	Calm	22.5	68.9	99.3	9.5	200.2	6	Ci.	N.	5	Ci.	Cu.
4..	N	NNW	SE	W	SW	N	23.3	37.5	83.4	19.6	163.8	3	Ci.	Cu.	3	Ci.	Cu.
5..	Calm	NNE	W	W	WNW	NE	13.1	48.5	102	24.7	188.3	2	Ci.	Cu.	9	Ci.-S.	Cu.
6..	Calm	ENE	SE	ENE	ENE	NNW	15.5	67.3	91.2	12.3	186.3	10	Ci.-S.	Fr.-N.ENE	8	Ci.-S.	Cu.
7..	NNE	NE	SW	WSW	WNW	Calm	21.4	46.1	71.9	22.5	161.9	6	Ci.	Cu.	3	Ci.	Cu.
8..	N	Calm	E	ESE	WNW	N	20.1	52.5	74	14.5	161.1	8	Ci.	Cu.	5	Ci.	Cu.
9..	N	Calm	E	W	WNW	Calm	15.1	52.1	131.5	32.5	231.2	8	Ci.	Fr.-Cu.	5	Ci.	Cu.
10..	N	NE	SSW	W	WSW	Calm	33.2	46.4	61.4	18	159	6	Ci.	Cu.	7	Ci.	Cu.
11..	N	NNE	W	W	WNW	Calm	23.5	38.1	107.3	31.1	200	4	Ci.	Cu.	4	Ci.	Cu.
12..	Calm	NW	SW	WSW	NNE	NNE	22	52	48.1	22.8	144.9	6	Ci.	Cu.	7	Ci.	Cu.
13..	N	NE	SW	WNW	WNW	NNE	24.6	41.3	76.7	26.6	169.2	9	Ci.-S.	N.	7	Ci.	Cu.
14..	NNE	NE	E	W	WSW	NNE	21.2	49.9	78.1	22.5	171.7	8	Ci.	Fr.-N. NE	3	Ci.	Cu.
15..	NE	NE	E	SE	W	NW	23.3	55	92.5	40.5	211.3	3	Ci.	N.	2	....	Cu.
16..	NE	NE	SE	S	W	NE	22.8	71.6	93.6	28	216	3	....	N.	3	Ci.	Cu.
17..	NE	NE	E	W	W	Calm	26.2	54.2	89.1	21.5	191	2	Ci.	Cu.	3	....	Cu.
18..	Calm	NE	E	W	NW	E	11.8	63.9	71.6	11.3	158.6	3	....	N.	7	Ci.	Fr.-N. E
19..	Calm	ENE	E	WNW	W	NNE	14.5	56.5	95.3	26.9	193.2	7	Ci.	Cu.	6	Ci.	Cu.
20..	NNE	Calm	E	WNW	NW	NNE	17.2	54.4	83.2	16.3	171.1	2	....	N.	2	Ci.	Cu.
21..	N	Calm	WSW	W	Calm	N	23.9	41.5	62.3	13.7	141.4	7	A.-Cu.	N.	8	Ci.-S.	Fr.-N.
22..	NE	E	E	W	W	Calm	46.7	71.9	68.7	21.1	208.4	3	Ci.	Cu.	7	Ci.	Fr.-Cu.
23..	Calm	N	ENE	SE	WSW	Calm	19.5	48.6	72.7	14.5	155.3	2	....	N.	8	Ci.-S.	Fr.-Cu.
24..	Calm	NNE	S	SW	W	N	16.6	35.7	58.4	20.4	131.1	9	Ci.-S.	Fr.-N.	8	A.-Cu.	Fr.-Cu.
25..	NNE	NE	SE	S	NW	W	16.4	72.7	119.6	64.2	272.9	2	....	Cu.	2	....	Cu. NE
26..	NNE	NNE	E	SW	SW	NE	30.3	57.3	85.8	16.9	190.3	3	....	Fr.-Cu.	4	....	Fr.-Cu.
27..	NE	Calm	E	W	SSW	NNE	14	49.4	81.9	20.4	165.7	2	Ci.	Cu.	2	Ci.	Cu.
28..	NE	Calm	NE	SW	NE	Calm	15.1	51.8	82.1	9.5	158.5	9	A.-Cu.	Fr.-N.	8	Ci.-S.	Fr.-N.
29..	NE	Calm	E	W	W	NE	24.1	56.5	99.8	20.7	201.1	1	Ci.	N.	10	Ci.-S.	Fr.-N.
30..	N	Calm	E	S	W	Calm	13.7	70.2	134.4	52.3	270.6	7	Ci.-S.	Fr.-N.	3	Ci.	Cu.
31..	N	NE	ESE	SE	NW	Calm	21.9	74.6	115.9	30.8	243.2	4	Ci.-Cu.	Fr.-N.	7	Ci.-Cu.	Cu.
Mean	......	......	......	......	......	......	21.1	53.8	87.4	24.3	186.6	5.1	....	....	5.3	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	5,784.7	....	....	....	....	....	....

ZAMBOANGA

[φ=6° 54′ N; λ=122° 05′ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.91 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.42	61.15	61.75	60.19	60.08	61.14	60.79	24.8	24.7	30.2	27.5	26.5	24.4	26.4	32.5	23.2	92	94	64	77	86	84	82.8	....
2..	61	61.27	62.19	60.40	61.06	61.95	61.31	23.5	22.8	26.2	26.7	26.7	26	25.3	28.2	22.4	84	85	86	83	83	88	84.8	....
3..	61.39	61.79	62.75	60.10	60.78	61.75	61.43	25	24.2	27	26.5	26.7	24.2	25.6	29.5	23.2	88	87	77	85	79	78	82.3	0.3
4..	61.25	61.77	62.18	60.16	61.30	61.90	61.43	23.4	23.9	26.4	27.3	28	26.7	26	30.7	22.9	85	84	87	87	74	73	81.7	.5
5..	61.14	62.65	62.66	60.58	61.88	62.54	61.91	24.9	24.6	30.8	27.5	26.6	25.6	26.7	32.5	24	76	76	54	72	80	83	73.5	8.1
6..	62.11	63.05	63.07	60.81	61.91	62.41	62.23	23.6	23.2	30	28.7	26.6	24.9	26.2	32	22.8	90	93	59	69	73	80	77.3	....
7..	62.05	62.77	63.43	60.89	61.85	62.30	62.22	23.6	23.7	30.2	28.9	26.6	25	26.3	33.1	22.6	85	85	50	54	79	77	71.7	....
8..	61.27	62.60	62.62	60.29	61.10	61.69	61.60	24	22.8	27.2	27.4	27.4	25.8	25.8	30.3	22.3	77	82	75	78	74	81	77.8	1
9..	60.27	61.37	62.33	60.13	60.68	61.98	61.13	24.2	23	30.5	27.2	28	25.3	26.4	31.7	22.8	82	89	56	73	74	83	76.2	....
10..	61.01	60.95	61.98	60.40	60.94	62.05	61.22	24.1	24.2	30.9	28.5	26.4	25.3	26.6	32.5	23.5	81	74	57	67	77	80	72.7	....
11..	60.09	61.74	62.63	60.19	60.09	61.53	61.04	23.8	23.4	27.5	27.8	27.8	25.2	25.9	30	22.4	79	80	77	79	75	82	78.7	4.1
12..	60.50	60.75	61.60	59.45	59.58	60.96	60.47	25	23.5	25.7	27.4	27.1	25.5	25.7	29.9	23	83	97	87	81	85	88	86.8	3.8
13..	60.04	60.45	61.47	59.34	59.48	60.28	60.18	25.2	25	28	28.2	28	26	26.7	33.1	24.5	90	92	88	88	83	90	88.5	....
14..	60.10	60.32	61.35	59.75	60.04	61.25	60.47	24.5	23.8	30.5	30	28.3	24.2	26.9	31.7	23.3	92	93	65	62	80	78	78.3	....
15..	60.93	61.42	61.97	60.25	60.93	62.03	61.26	23	23.2	27.1	27.2	27.2	25.1	25.5	28	22.2	88	88	83	84	79	83	84.2	....
16..	61.35	61.20	62.10	60.28	59.94	61.35	61.04	24.5	23.5	26.2	27	26.2	24.7	25.4	28	22.8	83	87	89	88	90	90	87.8	....
17..	60.36	60.30	61.50	59.13	58.86	59.95	60.02	23.8	23.2	26.3	27.5	26.5	24.8	25.4	28.4	22.5	90	90	84	84	88	87	87.2	....
18..	59.06	59.32	60.01	58.27	58.57	60.10	59.22	24.2	23.5	25.8	27.6	26.3	25.4	25.5	28	22.9	87	88	88	83	90	88	87.3	....
19..	59.07	59.75	60.94	58.90	59.25	60.18	59.68	24.6	24.2	26.5	27.1	25.7	25.5	25.6	28	23.2	88	91	88	85	93	93	89.7	....
20..	59.40	60.17	60.85	58.88	58.96	59.63	59.65	24.9	23.7	26.7	27	25.7	25.1	25.5	29.2	23	90	88	86	82	93	95	89	....
21..	59.13	59.24	60.73	58.64	57.96	59.05	59.12	23.9	23.8	25.6	27	26.3	25.2	25.3	27.5	22.9	94	97	90	88	86	94	91.5	....
22..	58.63	58.04	58.76	57.13	57.59	59	58.19	24.4	23.4	30.5	27.7	26.4	25.7	26.4	31.7	22.9	88	92	63	79	89	90	83.5	....
23..	58.76	58.08	59.65	57.23	57.10	58.75	58.26	25	25.7	26.2	27.6	27.1	25.5	26.2	27.8	24.4	95	84	86	81	82	84	85.3	7.4
24..	58.25	58.91	59.57	57.63	57.78	59.28	58.57	24.7	24.7	30.9	28.1	27.4	25.5	26.9	32.5	24.2	98	92	60	70	78	88	81	....
25..	58.37	58.69	59.52	57.74	57.81	59.28	58.57	23.7	22.3	29.9	28	28.3	25	26.2	30.9	21.9	90	80	60	70	55	79	72.3	....
26..	58.33	58.74	60.10	58.40	58.87	60.15	59.10	24.1	23.7	28	28.1	27.9	26	26.3	28.5	22.7	80	73	71	70	74	77	74.2	....
27..	58.92	59.67	60.57	58.95	58.83	59.85	59.46	25.7	24.8	31.3	28.1	27.5	25.1	27.1	31.9	23.8	79	81	54	73	73	79	73.2	....
28..	59.71	59.84	60.85	58.99	58.65	59.37	59.57	24	23.7	27.2	27.7	27.8	25.1	25.9	28.5	23	81	81	81	78	68	78	77.8	....
Mean	60.10	60.57	61.40	59.40	59.71	60.78	60.33	24.3	23.8	28.2	27.7	27	25.3	26.1	30.2	23	86.2	86.5	73.8	77.5	80	84	81.3	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	E	E	SE	W	WNW	22.2	76.1	112.9	32.5	243.7	9	Ci.-S.	Fr.-N. E	2	....	Cu.
2..	NNE	NE	W	W	W	ESE	21.5	54.9	107.8	31.1	215.3	2	Ci.	Cu.	2	....	Cu.
3..	NE	NE	W	W	Calm	NNE	29	52.1	69.7	16.1	166.9	10	Ci.-S.	Fr.-N. NE	4	Ci.	Cu.
4..	NNE	Calm	WSW	WSW	Calm	NE	18.5	52.5	45.6	19	135.6	10	Ci.-S.	Fr.-N.	8	Ci.-S.	Fr.-N.
5..	Calm	E	E	ESE	NW	Calm	13.7	69.4	103.3	20.9	207.3	8	Ci.	N.	8	A.-Cu.	Fr.-Cu.
6..	N	Calm	E	SE	NW	Calm	22	63	87.2	23.6	195.8	7	A.-Cu.	Fr.-N. NE	2	....	Fr.-Cu. NE
7..	Calm	NE	ENE	ESE	WNW	WNW	15.3	67.9	123.1	42	248.3	2	....	Fr.-Cu. NE	3	Ci.	Cu.
8..	NNE	NNE	SW	WSW	WNW	NNE	23.1	54.5	74.2	18.5	170.3	4	Ci.	Fr.-N.	4	Ci.	Cu.
9..	N	Calm	E	W	WSW	Calm	16.1	58.1	92.2	22.5	188.9	2	Ci.	Cu.	2	Ci.	Cu.
10..	Calm	E	E	WSW	NW	W	25.2	69.2	99.8	37	231.2	9	Ci.-S.	Fr.-N. E	2	....	Cu. E
11..	N	NNE	SSE	WSW	NW	ENE	19.3	78.9	94.8	23.9	216.9	8	A.-Cu.	Fr.-N.	2	Ci.	Cu.
12..	N	NE	SSW	SE	WNW	NE	20.9	33.2	87.2	32.5	173.8	10	....	N.	4	Ci.-Cu.	Cu.
13..	Calm	Calm	SE	SE	NNE	WNW	10.7	73.4	95	61.5	240.6	10	Ci.-S.	Fr.-N. NE	3	Ci.	Cu.
14..	NE	NNE	ENE	ESE	NW	Calm	35.9	74.8	139.7	18	268.4	8	Ci.-S.	Fr.-N. E	2	Ci.	Fr.-Cu. E
15..	Calm	NNW	S	WNW	W	Calm	29.3	46.4	128.9	61	265.6	7	Ci.	Fr.-N.	6	Ci.	Cu.
16..	N	NE	W	W	W	E	20.4	43.7	146.7	38.6	249.4	4	Ci.	N.	4	Ci.-S.	N.
17..	NNE	NNE	SSW	W	WNW	Calm	27.4	40.2	85.9	38.8	192.3	2	Ci.	N.	7	Ci.-S.	Cu.
18..	Calm	NNE	W	W	WNW	S	19.6	44.9	96.9	27.1	188.5	4	Ci.	N.	4	Ci.-S.	Cu.
19..	NNE	NNE	SSE	W	WSW	Calm	16.1	45.4	77	33.6	172.1	8	Ci.	Fr.-N.	8	Ci.-S.	Fr.-N.
20..	Calm	NE	SE	W	WNW	SW	17.1	74.3	101.9	37.6	230.9	8	Ci.	Fr.-N.	6	Ci.	Cu.-N. ESE
21..	Calm	Calm	W	WNW	W	Calm	12.1	44.1	118.9	35.7	210.8	8	Ci.	N.	7	A.-Cu.	Cu.
22..	Calm	NNE	E	SE	WNW	Calm	18.7	71.3	122.3	35.4	247.7	7	Ci.	N.	4	....	Cu. NE
23..	WNW	NW	WSW	WSW	WNW	NNE	28	50.9	96.6	43.3	218.8	9	Ci.-S.	Fr.-N. NE	6	Ci.	Cu.
24..	SE	Calm	ENE	SW	W	WNW	22.3	51.5	79.7	46.2	199.7	10	Ci.-S.	Fr.-N. NE	7	Ci.-S.	Cu.
25..	NNW	Calm	SE	W	W	N	21.1	55.2	91.5	52	219.8	3	Ci.	Fr.-S.	4	Ci.	Cu.
26..	N	NNE	WSW	W	W	NE	22.2	42.8	80.5	30.6	176.1	3	Ci.	Fr.-S.	7	A.-Cu.	Cu.
27..	Calm	Calm	NE	W	W	NNE	11.1	56.5	[a]81.8	41.8	191.2	8	A.-Cu.	N.	5	Ci.	Fr.-Cu.
28..	NNE	NNE	W	WNW	WNW	Calm	30.3	56	160.9	34.9	282.1	4	Ci.	S.	3	Ci.	Cu.
Mean	......	......	......	......	......	......	21	57.2	100.1	34.1	212.4	6.6	....	....	4.5	....	....
Total	......	......	......	......	......	......	......	......	......	......	[a]5,948	....	....	....	....	....	....

[a] 2 hours missing.

ZAMBOANGA

[ϕ=6° 54′ N; λ=122° 05′ E; barometer above sea, 6.5 meters; gravity correction not applied, −1.91 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.60	58.69	60.34	58.69	58.63	59.88	59.14	23.5	23.6	30.4	27.2	27	24.8	26.1	31.7	22.5	79	87	61	79	83	95	80.7	3.8
2..	58.79	59.07	60.57	58.63	59.08	60.63	59.46	24.8	24.2	27	28	27.4	25.3	26.1	28.5	23.7	95	91	86	81	85	94	88.7	4.9
3..	59.72	59.92	61.25	59.51	59.34	60.78	60.09	24.5	24.5	28.7	28.5	26.4	26.3	26.5	29	23.7	94	96	69	76	90	86	85.2	1
4..	60.05	60.55	61.68	59.80	59.66	60.96	60.45	25.2	24.2	29.5	27.4	26	25.8	26.4	30.7	23.5	92	91	67	81	89	89	84.8	.8
5..	60.15	60.12	61.80	59.73	59.65	60.65	60.35	25.5	25.2	29.5	28.1	27.4	25.3	26.8	30	24.5	85	83	67	67	78	89	78.2	....
6..	60.10	60.32	60.87	59.17	59.05	60.14	59.94	24.2	23.5	26.7	27.8	26.8	25.5	25.8	28.2	23	90	87	85	76	78	82	83	....
7..	59.91	60.20	61.22	58.63	58.55	60.03	59.76	23.6	22.6	26.1	27.7	26.9	25.7	25.4	28.9	22.2	88	90	87	76	77	94	85.3	....
8..	59.09	60.02	61.20	59.08	59.46	61.03	59.98	24	24.5	26.2	26.7	26.2	25.6	25.5	27.6	23	79	83	84	79	88	76	81.5	....
9..	59.46	59.65	60.93	59.18	58.82	60.51	59.77	23.3	23	27.6	28.1	26.6	25.9	25.8	30	22.4	89	89	77	79	87	85	84.3	....
10..	59.55	60.35	61.35	59.83	59.04	60.31	60.07	25.5	24.7	27.3	27	27.2	25.5	26.2	28.6	24.2	87	87	82	83	76	78	82.2	....
11..	59.17	59.77	61	59.06	58.97	60.51	59.75	25	24.5	28	28.3	28	26.9	26.8	28.5	24	81	77	74	73	66	70	73.5	....
12..	60.15	60.73	62.01	59.96	59.54	61.16	60.59	24.8	23	27.6	28.1	27.9	26.4	26.3	28.7	22.6	77	85	73	75	73	73	76	....
13..	59.89	60.41	61.98	59.57	59.08	60.59	60.25	24.2	23.5	26.5	27.8	27.7	25.1	25.8	28.2	22.4	83	83	90	82	75	87	83.3	....
14..	59.49	60.08	61.55	59.48	59.59	61.26	60.24	25	23.5	27.4	29.5	27.2	26.1	26.4	30.5	23	89	85	81	69	83	79	81	....
15..	60.02	60.31	62.08	59.79	59.10	60.73	60.34	24.4	25.6	26.4	28.3	27	25.2	26.2	28.7	23.3	81	90	89	77	87	86	85	....
16..	59.57	60	61.18	58.95	59.03	60.25	59.83	24	23.8	27	27.8	27.4	25.8	26	31	22.6	87	83	84	78	78	91	83.5	....
17..	59.69	59.79	61.59	59.98	59.73	60.93	60.28	24.2	24.5	27.5	26.5	26	25.7	25.7	31.9	23.4	90	84	81	88	87	92	87	....
18..	59.92	60.17	62.47	61.35	59.82	61.82	60.92	24.5	24.4	23.6	23.2	24.8	23.4	24	25.5	22.5	92	91	99	97	92	95	94.3	74.8
19..	60.93	61.27	62.71	60.35	60.03	62	61.22	23	22.6	26.5	27.7	27	25.4	25.4	28	22	97	95	87	81	81	90	88.5	1
20..	60.60	60.80	62.03	59.70	59.54	61.04	60.62	25	24.5	25.7	27.6	26.2	25.6	25.8	30.1	23.8	92	96	98	83	92	95	92.7	10.2
21..	59.75	60.10	61.23	59.68	59.28	60.68	60.12	24.5	24.2	26.6	28.2	26.8	25.3	25.9	28.5	24	89	90	86	77	88	86	86	....
22..	60.20	60.30	61.63	59.08	59.09	60.44	60.12	24.7	24.5	27	27.8	27.8	26.6	26.4	28.7	23	84	85	84	80	82	85	83.3	....
23..	59.79	60.20	61.30	58.88	58.81	60.10	59.85	24.6	23.3	26.6	27.5	27	25.2	25.7	27.8	22.9	92	90	87	82	83	85	86.5	....
24..	59.19	59.71	60.65	58.43	58.30	60.25	59.42	24.3	23.3	26.7	27.7	27	25.3	25.7	28	22.5	83	79	83	83	86	90	84	....
25..	58.53	58.94	60.13	58.16	58.17	59.76	58.95	25	24.5	31.7	28.6	28.8	26.4	27.5	33.1	24	88	87	57	80	79	82	78.8	....
26..	58.92	59.45	60.73	58.04	57.60	59.30	59.01	24.7	24.8	27.4	28.4	28	26.6	26.6	28.7	23.9	89	88	81	79	75	89	83.5	....
27..	58.09	58.33	60.34	57.79	57.88	59.14	58.60	24.8	23.7	27.8	28.4	28	26	26.4	29.2	23.2	90	91	79	76	79	85	83.3	....
28..	58.54	58.99	60.28	57.83	58.38	59.88	58.98	24.5	24.2	27.9	28.7	28.2	25.5	26.5	29.1	23.5	92	90	76	76	79	84	82.8	1.8
29..	58.73	58.61	59.67	57.84	57.75	59.99	58.76	25.2	24.1	30.6	28.4	27.5	26	27	31.4	23.5	85	93	66	79	79	82	80.7	....
30..	58.32	58.56	59.58	57.39	58.08	59.88	58.64	24.8	25	28.2	29.6	27.7	25.8	26.8	30.4	24.1	90	89	80	66	85	89	83.2	....
31..	58.34	58.41	59.73	58.16	57.97	59.67	58.71	25	24.2	28.7	27.6	26.4	25.1	26.2	29.4	23.5	83	90	74	80	86	87	83.3	....
Mean	59.46	59.80	61.13	59.09	58.94	60.46	59.81	24.5	24.1	27.6	27.8	27.1	25.6	26.1	29.3	23.2	87.5	87.9	79.8	78.6	82.1	86.1	83.7	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	98.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	N	E	W	W	NE	20.3	53.3	136.8	42.3	252.7	3	Ci.-S.	S.-Cu.	7	Ci.	Cu. W
2..	NNW	Calm	WSW	W	W	E	21.5	39.1	79.2	29.2	169	7	Ci.	S.-Cu.	4	Ci.-S.	Cu.
3..	Calm	ENE	SE	W	W	NW	15.5	53.3	93.3	79.1	241.2	10	....	N.	5	Ci.-S.	Cu.
4..	NW	ENE	E	WNW	W	Calm	25.7	59.3	146.4	39.1	270.5	10	....	N.	7	Ci.	Cu. WNW
5..	Calm	NE	SE	SE	W	NW	17.4	43.3	100.1	16.6	177.4	8	Ci.-Cu.	S.-Cu. E	7	Ci.-S.	Cu. SE
6..	NW	NE	ESE	W	WNW	W	19.8	63.1	92.5	43.5	218.9	7	Ci.-Cu.	Cu. ENE	4	Ci.	Cu. NW
7..	N	NE	SSW	SW	W	W	25.5	30.1	77	53.3	185.9	4	Ci.-Cu.	S.-Cu.	4	Ci.-S.	Cu.
8..	NNE	Calm	W	WSW	W	Calm	25.5	64.4	96.6	40.4	226.9	8	Ci.	S.-Cu.	7	Ci.-S.	Cu. SW
9..	Calm	Calm	SE	W	W	W	15.6	62.5	[a]53.1	104.6	235.8	4	Ci.	Cu.	4	Ci.	Cu.
10..	WNW	WNW	SW	NW	Calm	Calm	53.1	45.9	48	19.3	166.3	7	Ci.	S.-Cu. W	9	Ci.-S.	N. N
11..	NE	Calm	SSE	W	W	WNW	19.9	49.7	112.3	66.3	248.2	4	Ci.	Cu.	4	Ci.-S.	Cu. W
12..	NW	Calm	WSW	WSW	W	NW	17.7	28	85.8	37.2	168.7	5	Ci.-S.	Cu.	5	Ci.-S.	Cu.
13..	Calm	Calm	SW	W	W	NNW	13.4	43.8	96.4	39.6	193.2	4	Ci.	Cu.	5	Ci.	Cu. W
14..	NNW	N	SSE	WNW	W	NW	26	60.2	112.7	39.2	238.1	7	Ci.-S.	Cu. N	7	Ci.-S.	Cu. NW
15..	WNW	W	WSW	W	WSW	NE	25.9	94.1	94.6	23.8	238.4	6	Ci.	S.-Cu. SW	7	Ci.	Cu. NW
16..	NE	NE	SSE	SE	W	N	24.9	43.3	108.4	43.3	219.9	4	Ci.	S.-Cu.	4	Ci.-S.	Cu. SE
17..	NNE	NE	NE	W	W	SW	23	50.5	103	32.2	208.7	7	Ci.	N.-cf. NE	9	Ci.-S.	N. NW
18..	NE	Calm	E	NE	SW	NW	17.7	45.6	30.6	34.1	128	10	....	N.	10	....	N. E
19..	NNW	Calm	W	W	W	E	25.9	28	89.3	29.3	172.5	4	Ci.	S.-Cu.	4	Ci.	Cu.
20..	NNE	Calm	N	SE	W	W	21.2	38.6	103	50.9	213.7	10	....	N. NE	5	Ci.	Cu.-N. E
21..	NW	Calm	S	W	WNW	Calm	19.9	30.8	70.8	50.4	171.9	9	Ci.	N. NE	6	Ci.	Cu. W
22..	Calm	NNW	SW	SE	W	NW	12.4	25.7	99.8	49.4	187.3	8	Ci.-S	S.-Cu. N	4	Ci.	Cu.
23..	Calm	N	SW	W	W	Calm	18.8	47.7	149.9	40.2	256.6	4	Ci.	S.-Cu.	4	Ci.-S.	Cu. NW
24..	NE	NNE	W	W	WNW	Calm	20.3	45.1	[b]125.2	33.3	223.9	3	Ci.-S.	Cu.	3	Ci.	Cu.
25..	NE	Calm	ENE	WNW	Calm	Calm	20.6	43.8	68.6	25.4	158.4	9	Ci.-S.	S.-Cu. NE	7	Ci.-S.	Cu. W
26..	Calm	NNW	SSE	SSE	W	W	17.1	46.7	94.6	65.5	223.9	9	Ci.-S.	S.-cf.	8	Ci.	S.-cf.
27..	NW	Calm	ENE	SE	W	Calm	29.2	33.6	90.6	27.1	180.5	4	Ci.	S.-Cu.	7	Ci.-S.	Cu.
28..	Calm	Calm	SSW	WSW	NNW	Calm	16.1	32.8	73.7	17.1	139.7	4	Ci.	S.-Cu.	6	Ci.	Cu.
29..	Calm	Calm	ESE	SE	W	Calm	18.2	60	104.3	38	220.5	9	Ci.-S.	N.-cf.	7	Ci.	Cu.-N. E
30..	Calm	Calm	SE	SE	W	Calm	23.5	74	89	25.7	212.2	9	Ci.	N. NE	6	Ci.	Cu.-N. E
31..	N	NE	ESE	SE	ESE	Calm	20.4	59.5	81	21.1	182	9	Ci.-S.	N.-cf. E	9	Ci.-S.	N. E
Mean	.....	.....	.....	.....	.....	.....	21.7	48.3	93.8	40.5	204.2	6.6	....	....	6	....	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[c]6,330.9	....	....	....	.....	....	....

[a] 4 hours missing.

[b] 2 hours missing.

[c] 6 hours missing.

ZAMBOANGA

[φ=6° 54′ N; λ=122° 05′ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.91 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.76	59.08	60.27	59.05	58.94	60.59	59.45	24.6	24.3	28.1	27	28.5	26.8	26.6	29.2	23.9	88	89	81	84	77	83	83.7	....
2..	59.02	59.61	61.10	59.20	59.70	60.88	59.92	25.2	24.2	27.2	27.7	27	25.3	26.1	28.6	23.7	89	86	85	84	88	86	86.3	....
3..	59.27	59.42	60.25	58.55	58.53	59.36	59.23	23.7	23.2	26.7	28.2	27.4	24.6	25.6	28.9	22.1	83	81	86	74	74	87	80.8	....
4..	58.44	59.08	60.73	58.63	58.45	60.08	59.24	22.6	23.1	26.9	27.7	26.7	25.4	25.4	28.1	21.5	79	92	83	82	85	77	83	....
5..	59.45	59.77	60.97	58.69	58.78	60.71	59.73	24	23.3	27.4	27.7	27	25.7	25.8	28.2	22.8	85	91	81	83	85	90	85.8	....
6..	59.59	60.10	61	58.99	59.11	60.45	59.87	24.7	23	27.5	28.2	26.7	24.5	25.8	28.4	22.4	78	77	78	76	82	86	79.5	....
7..	59.51	59.63	59.84	57.70	57.45	58.47	58.77	22.6	23	29.4	28.2	28.4	25.5	26.2	32.2	22	78	70	60	74	71	84	72.8	....
8..	57.52	57.88	58.55	56.52	56.73	58.02	57.54	24.4	23.4	27.3	28.3	28.4	26.9	26.4	28.9	22.7	82	81	82	73	80	77	79.2	....
9..	56.91	57.05	58.25	56.50	56.47	58.22	57.23	25.3	24.8	25.5	26.4	26.7	25	25.6	27.4	24.4	91	90	92	85	86	92	89.3	0.3
10..	56.78	57.14	58.43	56.80	57.40	59.06	57.60	23.9	24.5	28.3	29.1	28.7	26.2	26.8	30	23.4	95	96	80	77	78	87	85.5	....
11..	57.95	57.87	58.65	56.45	56.39	58.45	57.63	25.1	24.9	28.5	28.7	27.7	27.2	27	30.1	24	88	90	78	79	88	84	84.5	....
12..	57.62	57.61	58.79	56.82	56.48	57.91	57.54	25.4	24.1	27.3	28.7	27.8	26.6	26.6	29.2	23.6	82	84	87	83	88	85	84.8	....
13..	57.18	57.93	59.19	56.48	56.73	58.70	57.70	25.3	24.9	28	28.5	27.7	26.1	26.8	29.5	24.5	85	79	74	81	84	85	81.3	....
14..	57.65	57.63	59.50	58.13	58.71	60.11	58.62	26	26.3	27.1	27	26.6	25.4	26.4	29.6	25	84	82	91	80	87	88	85.3	....
15..	58.53	59	59.84	58.36	58.64	60.80	59.20	25.4	25.6	30.5	27.9	27.5	25.6	27.1	32.3	24.8	86	88	66	82	83	92	82.8	....
16..	59.20	59.24	59.70	57.93	57.53	58.95	58.76	24.4	24	26.8	28	27	26.1	26	28.2	23.1	89	91	90	85	88	94	89.5	....
17..	58.19	58.47	59.28	57.60	57.81	59.02	58.40	25	24.7	26.8	28.3	27.1	25.5	26.2	30.3	23.2	93	94	86	80	84	84	86.8	....
18..	57.97	58.61	59.93	57.87	57.65	59.20	58.54	23.8	24.2	26.9	28.2	27	25	25.8	28.4	23.1	85	85	86	80	87	87	85	....
19..	58.59	58.93	60.42	58.54	58.79	60.34	59.27	23.7	23.4	26.6	27.8	27.4	26.7	25.9	28.3	22.9	89	88	85	86	85	89	87	....
20..	59.64	59.74	61	58.84	59.07	60.55	59.81	25	24.5	27	28.3	27	26.7	26.4	29.1	24	85	86	89	82	88	91	86.8	....
21..	59.29	59.98	60.34	58.25	58.68	60.45	59.50	25	25.7	29.3	28.6	27.3	25.7	26.9	31	24.5	88	90	70	77	85	84	82.3	....
22..	59.09	59.32	60.55	58.44	58.70	60.24	59.39	24.8	24.9	27.8	27.8	26.8	26	26.4	29	24	83	87	82	82	84	88	84.3	....
23..	59.22	60.31	61.02	58.93	59.28	60.93	59.95	24.2	23.8	28.2	27.7	27.2	25.1	26	28.6	23.3	86	89	74	81	87	84	83.5	....
24..	59.85	59.96	61.16	59.18	59.38	60.44	60	24	23.9	27.5	28.2	27.7	25.6	26.2	28.5	23.4	88	88	72	70	70	81	78.2	....
25..	59.37	59.82	60.88	59.07	59.18	60.28	59.77	24.3	24.2	27.2	27.7	27.2	25.9	26.1	28.1	23.5	86	87	87	80	84	91	85.8	....
26..	58.72	59.18	60.23	58.14	58.30	59.75	59.05	24.7	24.5	27.2	27.7	27.5	25.5	26.2	28.6	24	83	86	86	82	85	89	85.2	2
27..	58.03	58.89	59.68	56.99	56.36	58.39	58.06	24.6	24.9	27.1	27.8	27.5	26.8	26.4	29.2	23.9	90	86	88	88	85	91	88	....
28..	57.75	57.80	58.90	57.16	57.36	58.90	57.98	25.7	25.5	27.2	27	27	25.6	26.3	28.3	24.8	94	96	84	86	82	85	87.8	....
29..	57.68	57.79	58.85	57.33	58.03	59.83	58.25	25	24.5	28.4	28.4	27.4	26.1	26.6	30.7	23.8	78	82	77	80	77	87	80.2	....
30..	57.66	58.12	59.56	57.63	57.47	58.99	58.24	25.5	26	26.5	30.8	28.7	26.1	27.3	32.2	24.5	89	86	88	67	76	85	81.8	50.8
Mean	58.48	58.83	59.90	57.96	58.07	59.60	58.81	24.6	24.4	27.5	28.1	27.4	25.8	26.3	29.3	23.6	86	86.6	81.6	80.1	82.8	86.4	83.9	....
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	53.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NNE	NE	SE	SSW	ESE	SE	23	59.7	68.4	23.9	175	2	Ci.	Cu.	8	Ci.	Cu.-N. S
2..	Calm	Calm	W	W	W	N	16.9	38	116.1	35.7	206.7	8	Ci.	N.-cf. NE	8	Ci.	N. NW
3..	NE	ENE	SW	SE	W	N	25.9	49.7	90.3	22.7	188.6	3	Ci.	Cu.	7	Ci.-S.	Cu. E
4..	NE	Calm	W	W	W	N	21.1	69.8	124.4	28.2	243.5	3	Ci.	Cu.	6	Ci.-S.	Cu.
5..	N	Calm	WNW	W	W	Calm	25.1	67.3	143.4	56.3	292.1	3	Ci.	S.-Cu.	3	Ci.	Cu.
6..	NE	NNE	SE	W	WSW	Calm	38.8	55.2	123.1	26.6	243.7	2	Ci.	S.-Cu.	3	Ci.	Cu.
7..	Calm	NE	WNW	WNW	W	Calm	30.4	63.8	93	40.8	228	2	Ci.	Cu.	3	Ci.-S.	Cu.
8..	Calm	N	WSW	W	W	Calm	24.7	41	97.1	24.6	187.4	7	Ci.	S.	7	Ci.-S.	Cu.
9..	NE	WNW	NW	WSW	W	NE	56.8	26.6	68.2	31.1	182.7	10	....	S.	9	Ci.-S.	S.-Cu.
10..	Calm	Calm	SE	SE	SE	Calm	20.7	88.3	150.7	33.2	292.9	9	Ci.-S.	N. NE	5	Ci.	Cu. ESE
11..	NNE	Calm	SE	SSE	W	NW	25.5	94.6	124.1	94.1	338.3	7	Ci.	N. ESE	4	Ci.	Cu.
12..	Calm	NNW	SW	SW	W	NW	18.2	44	74.6	50.5	187.3	3	Ci.	S.-Cu.	4	Ci.	Cu.
13..	NW	Calm	SE	SW	W	Calm	29	38	66.5	17.9	151.4	10	....	S.	4	Ci.-S.	Cu.
14..	WSW	W	WSW	SW	NE	E	60.6	86.9	55.3	47	249.8	8	A.-Cu.	S.-Cu. W	10	....	Fr.-N. NE
15..	E	Calm	ENE	SE	W	Calm	22.8	56.6	96.9	24.1	200.4	9	Ci.-S.	N. NE	4	Ci.-S.	Cu.
16..	Calm	Calm	W	W	W	NW	13.7	60	112.7	67.9	254.3	1	Ci.	S.-Cu.	5	Ci.	Cu. NW
17..	NNW	NW	S	SSE	W	N	23.9	30.4	84.5	26.8	165.6	9	Ci.-S.	S.-Cu. W	8	Ci.	S.
18..	Calm	Calm	W	W	W	W	17.1	61.5	115.6	55.5	249.7	2	Ci.	Fr.-Cu.	3	Ci.	Cu.
19..	NNE	Calm	WSW	W	W	W	20.6	52.3	135	58.9	266.8	0	Ci.	....	1	Ci.	Cu.
20..	NNW	NNW	WSW	W	W	W	45.4	44.8	82.1	53.4	225.7	3	Ci.	S.-Cu.	4	Ci.	Fr.-Cu. W
21..	NNW	NE	SE	SE	WNW	Calm	18.3	93.1	113.5	26.8	251.7	6	Ci.-S.	Fr.-Cu. NE	6	Ci.-S.	Cu.
22..	Calm	Calm	SE	W	W	Calm	15.1	36	83.2	30.3	164.6	9	Ci.-S.	S.-Cu. NE	8	Ci.-S.	Cu.-N.
23..	NE	Calm	SSE	WSW	W	Calm	22.7	33.8	115.9	41	213.4	8	Ci.-S.	S.-cf.	6	Ci.	Cu. W
24..	NNE	Calm	Calm	W	WNW	N	22	11.1	93.3	30	156.4	4	Ci.-Cu.	Cu.	4	Ci.-Cu.	Cu.
25..	Calm	NNW	W	W	W	W	16.6	53.9	82.3	34.9	187.7	6	Ci.	Cu.	8	Ci.	S.-Cu.
26..	N	Calm	SE	WNW	WNW	Calm	19.5	78.3	53.7	19.6	171.1	4	Ci.	Cu.	9	Ci.-S.	N. NW
27..	NW	NW	WSW	W	W	SW	19.5	61.7	131.5	42.1	254.8	7	Ci.-S.	Cu.	3	Ci.	Cu.
28..	Calm	N	SW	SW	SW	Calm	15	25.4	35.4	15.5	91.3	9	Ci.	S.-cf.	9	....	S.
29..	NNE	Calm	SE	SE	N	NE	20.6	58.9	81.5	23.6	184.6	7	A.-Cu.	S.-Cu.	6	Ci.	Cu. W
30..	NE	Calm	SE	ESE	E	N	16.6	64.1	110.7	23.8	215.2	9	Ci.	N. E	4	Ci.	Cu.
Mean	......	......	......	......	......	......	24.9	54.8	97.4	36.9	214	5.7	....	....	5.6	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	6,420.7	....	....	....	....	....	....

ZAMBOANGA

[ϕ=6° 54′ N; λ=122° 05′ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.91 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.81	58.35	59.39	57.12	57.16	59.16	58.16	25.5	25.2	28	29.6	28	25.1	26.9	29.7	23.8	93	95	85	81	82	75	85.2	....
2..	57.97	58.19	58.98	56.61	57.30	59.21	58.04	24.5	24	29.4	28.8	28	26.2	26.8	31.8	22.9	78	78	70	79	82	85	78.7	....
3..	58.06	58.36	59.24	57.22	56.90	59.01	58.13	25.2	24.1	27.7	28.5	27.7	26.5	26.6	29	23.5	86	91	78	78	84	85	83.7	....
4..	57.85	57.87	58.97	57.60	57.78	59.33	58.23	25.5	24.7	27.6	28.3	27.8	25.2	26.5	29	24.1	88	88	84	82	86	87	85.8	....
5..	58.58	58.94	60.02	58.30	58.08	59.54	58.91	24.5	24.7	27.6	30.6	28.5	25.7	26.9	31.2	23.6	82	82	87	70	79	84	80.7	7.1
6..	58.77	59.16	59.80	57.63	57.90	59.64	58.82	26	24	27.8	29.2	27.7	26.3	26.8	29.7	23.4	85	95	77	68	83	88	82.7	....
7..	58.27	58.58	59.46	57.22	57.68	58.91	58.35	25.4	24.8	26.7	28.7	26.7	25.3	26.3	28.9	24.2	88	88	93	81	84	88	87	1.8
8..	57.45	57.86	59.60	57.72	58.13	59.70	58.41	24.7	24.3	27.4	28.7	28	25.5	26.4	29.2	23.6	88	91	85	77	77	88	84.3	....
9..	58.58	58.71	59.45	57.80	58.20	59.53	58.71	25.3	25.2	28	28.4	28.2	26.7	27	29.1	24.2	87	86	82	82	79	80	82.7	....
10..	57.95	58.57	59.52	57.30	57.12	58.77	58.20	26.6	24.4	27.8	29	26.2	25.6	26.6	29.4	23.5	78	84	84	78	84	87	82.5	2.8
11..	57.31	58.27	58.93	56.97	57.68	58.94	58.02	24.5	24.5	27.5	29	28.3	26	26.6	29.5	23.3	92	92	86	78	79	85	85.3	....
12..	57.87	58.51	58.93	56.74	56.78	58.17	57.83	24.5	24.1	28.5	28	28.3	25.7	26.5	30.5	23.5	87	84	75	81	79	90	82.7	....
13..	57.81	58.05	58.94	57.05	57.15	58.61	57.94	24.4	24.8	28.2	27.5	27.7	27	26.6	29.2	24	93	92	81	87	87	80	86.7	....
14..	57.48	57.81	59.15	57.03	57.50	58.17	57.86	26	26.1	28	28.5	28.5	26.5	27.3	29.6	25.4	84	83	85	83	77	86	83	....
15..	57.21	57.56	58.85	56.83	56.84	57.77	57.51	25.3	25	28	28.8	28	25.8	26.8	30.6	24.4	86	88	85	82	89	87	86.2	....
16..	57.05	57.43	57.89	56.45	56.51	58.02	57.22	25	25	27.7	28.2	28	25.8	26.6	29.1	24.2	88	83	85	88	82	85	85.2	....
17..	57.10	57.35	58.46	56.76	57.05	58.14	57.48	25	25.1	28.5	28.2	27.3	25.8	26.6	28.8	24.4	89	91	81	77	87	92	86.2	....
18..	57.37	57.78	58.83	56.43	56.80	58.51	57.62	24.7	24.2	29.2	28.5	27.8	26.1	26.8	31.1	23.7	87	88	74	80	86	87	83.7	....
19..	58.30	58.41	59.03	57.02	56.95	59.02	58.12	25.2	25	28.7	30.5	29.4	26.7	27.6	31.2	24.5	85	87	80	64	76	86	79.7	....
20..	58.17	59.10	59.75	57.22	57.69	58.98	58.48	25.7	25.4	29.4	28.8	28.7	26.8	27.5	31.1	24.6	83	84	70	76	78	87	79.7	3.3
21..	58.87	59.41	59.87	58.16	58.28	59.41	59	25.2	24.7	27.5	28	27.7	26.3	26.6	29.2	24	91	94	84	78	84	84	85.8	....
22..	58.75	58.82	59.25	57.67	58	59.40	58.65	26.5	26.6	27.9	28.7	27.5	25.5	27.1	28.9	24.8	87	87	81	83	83	93	85.7	2.3
23..	58.11	58.88	59.85	57.78	58.21	59.43	58.71	24.8	25	27.5	27.8	28	26	26.5	28.6	24.3	91	88	84	81	81	88	85.5	11.7
24..	58.85	59.34	60.21	58.05	57.96	59.73	59.02	25.5	23.8	26.5	28	28.2	26	26.3	28.7	23.4	88	97	88	77	76	90	86	4.8
25..	58.68	59.45	59.95	58.38	58.55	59.88	59.15	25.7	24.7	29	28.8	27.2	25.3	26.8	29.4	23.7	88	90	76	75	88	93	85	....
26..	59.06	58.79	59.48	57.48	57.95	59.36	58.69	24.3	24	27.7	29	28.2	26.8	26.7	29.5	23.3	89	89	84	76	80	82	83.3	....
27..	58.40	57.88	58.70	56.61	57.04	58.50	57.85	25.5	25.7	28.5	28.7	25	26	26.6	29.5	23.8	88	88	81	83	97	90	87.8	2.8
28..	57.37	57.37	58.55	56.70	56.85	57.71	57.42	25.5	24.7	28.7	27	26.5	26.3	26.4	30.2	24	88	87	76	84	85	86	84.3	....
29..	56.73	57.09	58	56.35	56.84	58.15	57.19	26	25.2	28.1	28.5	26.2	25.4	26.6	29.5	24	84	89	82	82	88	88	85.5	....
30..	57.57	57.40	58.64	56.90	56.96	58.85	57.72	25.4	25.4	24.3	28.6	27.8	25.5	26.2	29.4	24	88	88	97	73	84	88	86.3	7.4
31..	58.47	58.52	59.96	57.69	57.64	58.82	58.52	25.2	25	27.2	28	27.5	26.1	26.5	29	23.5	90	85	85	76	86	90	85.3	17
Mean	57.99	58.32	59.21	57.25	57.47	58.92	58.19	25.3	24.8	27.9	28.6	27.7	26	26.7	29.7	23.9	87.1	88.1	82.1	78.7	83	86.6	84.3	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	61

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	W	Calm	W	WSW	WNW	Calm	21.5	38	71	22.5	153	7	....	S.-Cu.	3	Ci.	Fr.-Cu. W
2..	NE	NNE	SE	SE	WSW	Calm	26.8	72.6	87.2	26.4	213	2	Ci.	S.-Cu.	5	Ci.	Cu. SE
3..	NNW	Calm	S	W	W	W	16.4	33	75.8	51.2	176.4	9	Ci.-S.	S.-Cu. NNW	5	Ci.	Cu.
4..	Calm	NNW	SW	W	W	NE	23.5	39.7	78.9	30.6	172.7	3	Ci.	S.-Cu.	5	Ci.-Cu.	Cu.
5..	NNE	Calm	W	SE	WNW	Calm	30.4	34.4	80.8	22.3	167.9	5	Ci.	Cu.	3	....	Cu. E
6..	Calm	Calm	SSE	SE	NNW	NW	22.3	33.5	114.5	67.6	237.9	9	....	N. NE	7	Ci.-S.	Cu. SE
7..	NW	NW	Calm	W	Calm	N	34.6	19.3	59.5	20.9	134.3	9	....	S.	6	Ci.-S.	Cu.
8..	Calm	Calm	SE	W	W	NE	15.1	36.4	72.1	28	151.6	4	Ci.	Cu.	7	Ci.	Cu. W
9..	WNW	Calm	W	W	W	NW	21.2	51	84	36.7	192.9	4	Ci.	Cu.	8	Ci.	Cu.-N. NNW
10..	W	NNW	WSW	W	NW	N	27.9	62.2	79.1	23.1	192.3	4	Ci.	Cu.	7	Ci.-S.	Cu. W
11..	N	NNW	WSW	W	W	NE	22.2	65.5	35.9	41	164.6	4	Ci.-Cu.	Cu.	5	Ci.-S.	Cu. W
12..	NNE	E	SE	SE	WSW	Calm	28.5	75.1	64.9	14.7	183.2	3	Ci.-S.	Cu.	4	Ci.-S.	Cu.
13..	W	Calm	W	WSW	W	NW	25.9	56.5	104.9	41.5	228.8	2	Ci.	Cu.	7	Ci.	Cu.-N. W
14..	NW	WNW	W	W	ENE	Calm	28.7	97.2	107.8	19.9	253.6	4	Ci.	Cu.	8	Ci.	S.
15..	NNE	N	SSE	W	W	Calm	23.3	39.6	90.9	34.3	188.1	5	A.-Cu.	Cu.	4	Ci.	Cu.
16..	Calm	N	S	W	W	NE	23.8	38.3	88.7	20.6	171.4	7	Ci.	Cu.	8	Ci.	Cu.-N. WNW
17..	NNW	NW	E	SW	W	Calm	20.6	56.1	73.2	34	183.9	8	Ci.-S.	N. NW	9	Ci.	S.
18..	NE	NE	ENE	SE	Calm	NE	23.5	43.7	79.7	16.3	163.2	8	A.-Cu.	S.-Cu.	5	Ci.	Cu.
19..	SSE	SE	SE	SE	SE	NE	23.1	69.5	113.7	19.3	225.6	4	Ci.	Cu.	3	Ci.	Cu.
20..	NE	NNE	E	SSE	E	Calm	27.4	44.1	84	22.7	178.2	10	....	S.	7	Ci.-S.	Cu. SE
21..	NNE	ENE	WSW	W	WNW	N	19.1	41.2	84.2	17.2	161.7	9	Ci.-S.	S.-Cu.	4	Ci.	Cu.
22..	NW	WNW	SE	WNW	W	NNW	26.5	46.5	99.6	23.9	196.5	6	Ci.-S.	Cu.	7	Ci.-S.	Cu. NW
23..	Calm	NNE	SSW	SE	Calm	NW	16.7	25.9	35.4	24.3	102.3	9	Ci.-S.	N.	9	Ci.-S.	Fr.-N.
24..	W	NE	Calm	SSE	SE	N	40	20.4	48.9	21.4	130.7	10	....	N.	7	A.-Cu.	Fr.-N.
25..	Calm	Calm	ESE	SE	Calm	N	14.7	17.4	56	19.5	107.6	7	Ci.-S.	Fr.-N.	9	Ci.-S.	Fr.-N.
26..	NNE	Calm	SW	W	W	NW	26.6	30	81	34.9	172.5	8	Ci.	Cu.	6	Ci.	Cu.
27..	Calm	NW	WNW	W	WSW	Calm	20.6	75.9	123.6	28	248.1	8	Ci.	Cu.	8	Ci.-S.	Cu.
28..	Calm	Calm	E	SE	NE	NE	9.1	35.7	67.9	28.2	140.9	9	Ci.-S.	N.	8	Ci.-S.	N.
29..	NNE	NE	SSE	SE	SW	NE	20.4	68.6	70	25.9	184.9	8	Ci.-Cu.	N.	7	Ci.-S.	Cu.
30..	NNE	E	E	SE	E	NE	21.7	47	51.7	20.6	141	9	Ci.-S.	N. SE	7	A.-Cu.	N.
31..	NNE	NNE	SE	SE	SW	Calm	22	47.5	57.1	20.6	147.2	10	Ci.-S.	N.	9	Ci.-S.	Fr.-N.
Mean	......	......	......	......	......	......	23.4	47.2	78.1	27.7	176.3	6.6	....	....	6.4	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	5,466	....	....	....	....	....	....

ZAMBOANGA

[ϕ=6° 54′ N; λ=122° 05′ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.91 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.64	58.39	59.19	57.23	57.05	58.30	58.13	25	24.5	28.2	29	28.1	26.3	26.8	29.8	23.3	85	85	80	78	80	90	83	......
2..	57.18	57.50	58.09	55.99	56.36	58.07	57.20	26	25.7	26.9	29	27.9	26.6	27	29.2	24.4	92	93	85	74	85	83	85.3	9.9
3..	56.76	57.26	57.91	55.88	56.63	58.15	57.10	26	25.6	27	27.5	27.6	25.8	26.6	29	24	86	89	75	81	81	89	83.5	3.3
4..	57.01	57.71	58.45	56.72	57.84	58.65	57.73	25	24.5	27.8	28.3	26	26	26.3	29.2	23.8	90	90	87	79	85	85	86	1
5..	57.56	58.47	59.39	58.11	58.24	59.48	58.54	25.1	24.3	28	28.8	28.2	26	26.7	30.2	23.2	89	89	79	74	80	86	82.8	......
6..	58.55	58.67	59.66	57.87	58.51	59.96	58.87	25.5	25	27.8	29.4	27.7	26.5	27	29.6	24	86	86	80	73	85	86	82.7	......
7..	58.92	58.94	59.80	57.83	58.85	60.22	59.09	25.6	25	27.5	27	24.7	24.5	25.7	29	23.2	88	88	85	83	90	89	87.2	8.3
8..	59.14	58.66	59.15	57.49	57.61	59.30	58.56	25	26.3	27.5	29.2	28.1	27.5	27.3	30	23.4	92	83	84	74	80	84	82.8	......
9..	58.16	57.94	58.35	56.69	57.48	58.60	57.87	27.2	26.9	27.1	28.8	28	26.9	27.5	29.5	24.8	87	88	86	73	82	87	83.8	......
10..	57.51	57.53	59.10	56.83	57.96	59.01	57.99	26	25.7	26.6	27.2	26.8	25.2	26.2	29.8	24.5	88	88	80	68	78	86	81.3	12.2
11..	58.78	58.72	59.41	57.13	58.21	59.28	58.59	24.2	24.5	26	28.2	27.7	26	26.1	28.6	21.7	91	92	88	72	79	88	85	......
12..	58.37	58.24	59.15	57.65	58.54	60.42	58.73	25.5	24.9	28.7	26.4	26.7	24.8	26.2	29.7	23.5	84	88	76	87	85	89	84.8	8.4
13..	58.94	59.14	59.90	58.33	58.19	59.80	59.05	24	23.8	28.3	28.2	27.6	26.2	26.4	29.5	22.5	89	89	70	77	79	84	81.3	......
14..	58.93	58.57	59.75	58.21	58.28	59.88	58.94	25	24.8	28.3	28.4	28.7	25.9	26.8	29.6	24.4	83	83	77	83	69	88	80.5	......
15..	59.31	59.70	59.60	57.94	58.20	60.23	59.16	25	24.2	28.6	28.7	28	26.5	26.8	29.3	23.5	88	82	78	78	88	88	83.7	......
16..	59.75	59.54	60.16	58.71	58.93	60.66	59.62	25.3	24.4	28.5	28.5	28	26.2	26.8	29.8	23.8	88	82	78	83	82	82	82.5	.3
17..	59.85	59.70	59.71	58.12	58.85	60	59.37	25.5	25	28	28.7	28	26	26.9	29.8	24.4	87	90	83	76	82	88	84.3	......
18..	59.03	59.06	58.91	57.82	58.15	58.98	58.66	25.4	24.9	28	28.5	28	26.5	26.9	29	24.2	91	92	85	78	82	88	86	......
19..	58.14	58.19	58.34	57.15	57.55	59.08	58.08	25	24.5	28.4	28.2	27.7	25	26.5	29	23.5	91	93	77	84	79	88	85.3	......
20..	58.36	58.66	59.21	57.82	58.30	59.45	58.63	24.9	24.8	28.8	29.3	27.7	25.5	26.8	29.6	23.2	86	85	77	76	83	81	81.3	......
21..	59	59.17	59.79	58.08	59.08	60.75	59.31	25.8	24.7	28.3	29.6	27.3	26.6	27	29.9	24	81	88	76	72	86	81	80.7	......
22..	60.21	60.29	60.35	59.38	59.71	60.80	60.12	25.7	25	27	28.1	26.5	25.2	26.2	29	24.2	88	89	84	78	86	92	86.2	1.5
23..	59.76	59.34	59.77	58.45	59.43	60.27	59.50	24.9	24.5	27.8	28.3	25.5	25.3	26	29.2	23.6	84	84	82	80	84	83	82.8	9.1
24..	59.79	60.15	59.75	58.39	59.18	60.22	59.58	25.2	22.5	28.2	27.1	25.1	24.5	25.4	29.6	22.2	83	98	70	76	94	92	85.5	......
25..	58.94	58.91	59.30	57.13	57.67	58.52	58.41	24.5	24.3	27.8	28.3	27.8	24.5	26.2	29.2	23.2	89	89	82	77	84	92	85.5	2
26..	57.83	58.15	58.83	56.84	57.36	58.98	58	24	23.5	28.1	28.2	26.5	25	25.9	29.2	23	91	93	80	85	82	90	86.8	......
27..	58.02	58.34	58.63	57.45	57.61	59.13	58.20	25	25.1	28.5	29.5	27.7	26	27	30.5	24.1	92	92	73	71	84	89	83.5	......
28..	59.08	59.02	59.33	57.50	57.94	59.68	58.76	25.2	24.5	29.5	27.8	27.6	26.4	26.8	30.5	24	90	86	73	83	85	77	82.3	.8
29..	58.91	58.86	59.25	57.25	57.66	58.54	58.41	25.2	24	27.3	28.5	25	24.4	25.7	29.4	23	83	87	81	74	91	89	84.2	15.2
30..	57.36	57.56	57.65	56.92	56.46	57.13	57.18	24.4	24.5	26.4	24.4	25.2	24.3	24.9	28.2	22.8	85	83	82	95	88	93	87.7	11.7
Mean	58.59	58.68	59.20	57.56	58.06	59.38	58.58	25.2	24.7	27.8	28.2	27.2	25.7	26.5	29.5	23.6	87.6	88.1	79.8	78.1	83.3	86.9	83.9	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	83.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p.m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	N	NNE	SE	W	W	NW	24.9	69	51	26	170.9	3	Ci.	Cu.	6	Ci.	Cu.
2..	N	ENE	SSE	W	W	NW	24.6	39.1	87.2	38.9	189.8	10	Ci.-S.	Fr.-N. E	7	Ci.-S.	Cu.
3..	NNW	NW	SSE	W	W	Calm	28	49.6	90.3	17.5	185.4	9	Ci.-S.	Fr.-N.	9	A.-S.	Cu.
4..	N	NNE	W	W	W	W	22.3	47.8	114.5	54.2	238.8	9	Ci.-S.	Fr.-N.	7	Ci.-S.	Cu.
5..	NNE	NNE	SSE	W	WNW	NE	19.8	36.8	67.4	18.5	142.3	8	Ci.-Cu.	S.-Cu.	7	Ci.	Cu.
6..	Calm	NNE	SW	W	ENE	Calm	19.9	33.8	69.7	15.1	138.5	8	Ci.-S.	N.	6	Ci.-S.	Cu.
7..	NNE	NE	S	SSW	NW	Calm	23.1	27.9	66.8	23.3	141.1	9	Ci.-S.	Fr.-N.	9	Ci.-S.	N.
8..	Calm	Calm	WSW	WNW	WNW	W	7.8	77.2	109.7	66.6	261.3	9	Ci.-S.	Cu.	7	Ci.-S.	Cu.
9..	Calm	SSW	W	WNW	WSW	NNW	26.8	145.1	148.9	50.9	371.7	9	Ci.-S.	Cu.-N. SW	8	Ci.-S.	Fr.-Cu.
10..	NNW	N	W	WSW	NE	NE	23.3	61.5	48.6	20.9	154.3	9	Ci.-S.	S.-Cu.	10	A.-S.	Fr.-N.
11..	NW	SW	WSW	SE	WSW	NNE	160.3	81.9	34.1	31.2	307.5	10	Ci.-S.	Fr.-N. SW	8	Ci.-S.	Cu.
12..	Calm	NNE	SE	N	Calm	SW	18.8	65.7	50.7	115.1	250.3	4	Ci.-Cu.	S.-Cu.	10	Ci.-S.	N.
13..	N	NNE	W	WNW	SSE	NE	29	34.1	100.6	24.6	188.3	10	Ci.-S.	Fr.-N.	7	Ci.-S.	Cu. WNW
14..	NNE	E	SE	SE	NE	Calm	18.7	49.3	95.6	23.5	187.1	10	Ci.-S.	Fr.-N.	6	A.-Cu.	Fr.-Cu.
15..	N	Calm	SSW	W	WSW	NE	26.8	25.7	58.9	19	130.4	9	Ci.-S.	N.	8	A.-S.	Cu.
16..	N	NNE	SSW	W	WNW	NE	30.3	39.2	121.8	17.4	208.7	9	Ci.-S.	N.	6	Ci.-S.	Cu.-N.
17..	Calm	NNE	SSE	W	WNW	NE	14.5	42.3	80.8	30	167.6	10	Ci.-S.	Fr.-N.	7	Ci.	Cu.
18..	N	NE	SSE	SW	NE	NE	19	26.8	37.2	16.6	99.6	8	A.-Cu.	Cu.	9	Ci.-S.	Fr.-N.
19..	Calm	NNW	SSE	WNW	NW	NW	18.7	27.7	75.9	18.8	141.1	6	Ci.	Cu.	9	Ci.-S.	Fr.-N. W
20..	NW	NW	NW	WNW	W	NNE	21.9	69.4	113.7	29.6	234.6	6	Ci.	Cu.	7	Ci.	Cu.
21..	NW	NW	W	WNW	WNW	NW	29.5	36.5	119.6	37.2	222.8	4	Ci.	S.-Cu.	3	Ci.	Cu.
22..	NNE	NE	SW	W	NE	NE	25.7	42.4	100.1	15.6	183.8	9	Ci.-S.	N.	9	Ci.-S.	Fr.-N.
23..	N	NNE	SSW	W	NW	NNE	24.3	38.9	121.2	31.6	216	10	Ci.-S.	Fr.-N.	9	Ci.-S.	N.
24..	NNW	NW	WNW	W	NE	NNE	32.4	69.2	103.6	20.7	225.9	10	....	N.	10	Ci.-S.	N. W
25..	N	NE	SSE	W	WSW	Calm	21.7	39.9	31.9	54.1	147.6	8	A.-Cu.	Cu.	8	Ci.-S.	Fr.-N.
26..	NE	ENE	SE	SSE	NE	NNE	25.2	47.7	74.5	23.9	171.3	7	Ci.	Cu.	9	Ci.-S.	Fr.-N. SSE
27..	NE	NE	ESE	SE	ESE	NE	23.3	67.9	104.8	20.3	216.3	8	Ci.-S.	Cu.	6	Ci.	Cu.
28..	NE	NNE	E	SE	WNW	WNW	21.9	63.3	107.2	55.7	248.1	8	Ci.	N.	5	Ci.	Cu.-N. SE
29..	Calm	NE	S	SSE	NE	N	26.8	32.5	58.1	33.2	150.6	7	Ci.	N.	8	Ci.-S.	Cu.-N.
30..	NW	NW	WSW	NW	N	Calm	67.1	97.9	115.3	29.8	310.1	9	Ci.-S.	N. NW	10	....	N.
Mean	......	......	......	......	......	......	29.2	52.9	85.3	32.7	200.1	8.2	....	....	7.7	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	6,001.8	....	....	....	....	....	....

ZAMBOANGA

[ϕ=6° 54′ N; λ=122° 05′ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.91 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	56.27	56.41	57.92	57.24	57.12	57.96	57.15	24.9	25.5	24	23.5	24	24.6	24.4	27	22.4	90	88	96	98	91	92	92.5	21.4
2..	57.96	58.29	59.53	58.06	58.85	60.50	58.86	25.3	25.3	28.3	28.5	27.7	26	26.8	29.9	23.9	89	91	75	75	83	92	84.2	....
3..	59.55	59.91	60.84	59.15	59.38	60.96	59.96	25.5	25.1	28.1	28.3	27.7	24.8	26.6	29.2	23.5	92	94	76	77	79	83	83.5	....
4..	60.07	59.81	60.09	58.68	58.68	59.84	59.53	23.7	23.2	27.5	28.1	27.2	25.2	25.8	29.7	22.2	90	90	78	76	79	83	82.7	....
5..	58.82	59.06	60.30	59.01	58.94	59.87	59.33	24.7	24.3	25	25.9	26.5	24.5	25.2	28	22.6	86	86	90	86	84	87	86.5	4.6
6..	59.36	59.47	59.84	58.76	59.25	60.33	59.50	24.3	24	27.8	28.2	28.2	26	26.4	29.6	22.5	90	95	75	76	76	88	83.3	.3
7..	59.94	59.95	61.02	59.77	60.35	61.08	60.35	25.1	24.8	28.3	27.5	27.8	25	26.3	29.5	24	86	85	75	82	76	88	82	....
8..	60.35	60.36	60.75	59.50	59.07	60.86	60.15	24.2	24	28.1	27.1	27	25.5	26	30.3	23.2	87	87	78	83	83	90	84.7	.5
9..	59.85	59.82	60.55	58.67	58.19	60.16	59.54	24.8	25.2	24.3	26.8	26.4	25	25.4	27	23.4	90	90	94	83	85	96	89.7	6.3
10..	58.86	59.32	59.69	58.30	58.43	59.69	59.05	24.1	24	27.3	27.3	26.8	25.2	25.8	28.2	23.1	98	98	79	79	80	86	86.7	1.8
11..	59.09	59.33	60.06	58.65	58.85	60.30	59.38	23.4	23.3	28	28.5	28.5	25.1	26.1	28.9	22.8	90	90	72	79	78	89	83	....
12..	59.76	59.57	60.73	59.23	59.29	60.19	59.80	24.4	23.9	26.5	28	27.5	25.7	26	29	23.4	88	87	82	74	81	82	82.3	2.3
13..	59.26	59.08	60.15	59.31	59.68	60.77	59.71	24.8	24.5	27.5	26.6	24.6	25.2	25.5	28.2	23.5	83	85	81	83	82	85	83.2	6.6
14..	59.75	59.18	60.02	58.67	58.99	60.15	59.46	23.1	23.2	27	26.5	27.2	25	25.3	28.2	22.5	92	92	80	80	75	85	84	....
15..	59.12	59.04	58.83	57.21	57.85	59.19	58.54	23.4	23.3	27.4	28.2	27.2	25.5	25.8	28.6	22.5	86	86	78	74	73	88	80.8	....
16..	58.18	58.44	58.81	57.40	57.87	59.36	58.34	24.3	24.2	28	28	25.7	25.2	25.9	29	23.5	88	88	73	79	86	86	83.3	....
17..	58.21	58.31	59.26	57.90	58.16	59.10	58.49	25.1	24.1	29	28.7	27.7	24.9	26.6	30.5	23.7	87	88	74	73	81	83	81	....
18..	58.27	58.14	58.44	56.78	57.49	58.32	57.91	24.7	24	27.4	29	26.5	25	26.1	29.3	23.6	84	87	76	69	86	90	82	....
19..	57.78	57.19	57.73	56.14	56.35	57.56	57.12	24	23.7	27	28	26.4	25	25.7	28.3	23.1	90	91	85	73	85	87	85.2	3.8
20..	56.64	56.52	57.08	55.88	56.29	57.22	56.60	24.5	24.7	27.2	28	27	25.8	26.2	29	23.3	87	87	83	74	80	82	82.2	....
21..	56.61	56.68	57.40	55.75	56.50	58	56.82	24.7	24.1	27.5	28	27.2	26	26.2	29	23	86	88	79	77	75	80	80.8	16.5
22..	57.38	57.47	58.08	55.93	56.23	57.90	57.16	24	23.7	26.6	28.2	27.2	26.8	26.1	29.5	22.7	96	97	80	70	83	83	84.8	....
23..	56.71	57.03	58.15	56.80	56.65	58.02	57.23	25.3	25.4	26.7	25.2	25.5	25	25.5	28.5	24.2	84	84	83	88	84	92	85.8	1.3
24..	57.44	57.58	57.94	56.61	57.08	58.65	57.55	24.6	24.8	28.5	28.5	27.5	26.1	26.7	29.3	23.5	89	88	70	77	81	87	82	....
25..	57.86	57.72	58.73	57.35	56.99	58.33	57.83	25	24.5	26.2	26.5	27	25.5	25.8	28	23.6	88	87	86	81	80	92	85.7	3.8
26..	57.82	57.38	58.10	56.28	56.67	57.94	57.36	25	24.2	28	28.2	24.6	24	25.7	28.9	23.4	88	90	74	80	91	90	85.5	2.5
27..	57.24	56.72	57.17	55.32	55.68	57.15	56.55	24.5	24.9	27	28.6	27.5	27.5	26.7	28.8	23	84	84	80	75	81	84	81.3	....
28..	56.83	57.01	58.12	56.72	56.98	57.97	57.27	26.5	26.6	25.4	27.8	27.5	26.2	26.7	28.6	21.8	88	87	80	79	76	86	82.7	4.1
29..	57.07	56.70	56.79	55.89	56.28	57.34	56.68	25.5	25.3	28.8	29.5	27.7	27.6	27.4	30	24.8	88	89	76	78	87	81	83.2	....
30..	56.26	56.08	56.62	55.35	55.30	56.75	56.06	25.5	25.4	28.1	29.3	28.2	25.9	27.1	29.5	24.4	88	88	84	74	72	80	81	....
31..	56.34	56.92	57.20	55.82	56.38	58.43	56.85	24.8	24.3	28.6	29.5	28.1	27	27	30.2	23	85	91	75	72	81	83	81.2	....
Mean	58.21	58.21	58.90	57.49	57.74	59.03	58.26	24.6	24.4	27.3	27.7	26.9	25.5	26.1	29	23.2	88.3	89	79.6	78.2	81.1	86.5	83.8	....
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	75.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	WNW	W	NW	WNW	NW	NW	84.8	97.2	128.2	20.7	330.9	10	Ci.-S.	Fr.-N. NW	10	Ci.-S.	Fr.-N. WNW
2..	NNW	N	ESE	ESE	NW	ENE	34.9	43.8	107.2	28.7	214.6	10	Ci.-S.	N.	8	Ci.-S.	Cu.
3..	NE	NE	ESE	SE	E	NE	25.9	123.6	149.7	24.4	323.6	10	Ci.-S.	Fr.-N.	6	Ci.	Cu.
4..	NNE	NE	SE	SW	NW	NNE	28.8	67.4	99.8	21.5	217.5	7	Ci.	Cu.	7	Ci.-S.	Cu.
5..	N	NNE	SSE	WNW	W	N	20.9	61.8	82.7	24.6	190	9	A.-Cu.	N.	7	A.-Cu.	Cu.
6..	N	NNE	SE	SE	E	NNE	23.1	91.5	137.1	31.6	283.3	8	Ci.-S.	Cu.-N. E	5	Ci.	Cu. E
7..	NNE	NNE	ESE	WSW	WNW	NNE	23.8	34.1	73.4	18.3	149.6	9	Ci.-S.	N.	7	Ci.	Cu.
8..	NE	NE	SSE	WNW	WNW	N	21.2	64.7	106	29	220.9	6	Ci.	Cu.	9	Ci.-S.	N. WNW
9..	NNW	NW	NNW	W	WNW	NW	19.5	29.8	131.5	34.6	215.4	10	Ci.-S.	Fr.-N. NE	9	Ci.-S.	Fr.-N. W
10..	NNW	NE	SSW	W	SSE	N	21.1	33.3	54.7	19.3	128.4	10	....	N.	8	Ci.-S.	Cu.-N.
11..	N	NNE	SE	SSE	WSW	N	25.5	45.4	82.1	17.9	170.9	4	Ci.	Cu.	7	Ci.	Cu.
12..	NNW	NE	SE	W	WNW	NW	25.9	53.3	81.3	29.2	189.7	4	Ci.	Cu.	4	Ci.	Cu.
13..	NNW	NE	SW	WNW	WNW	NW	20.3	38.4	91.7	68.6	219	9	Ci.-S.	Fr.-N.	10	Ci.-S.	Fr.-N. WNW
14..	N	NNE	SE	SSW	NW	Calm	19.6	25.1	73	16.9	134.6	8	A.-Cu.	Cu.	8	Ci.-S.	Fr.-N.
15..	Calm	NNE	SSE	SE	NE	NE	21.1	50.1	90.1	15.8	177.1	3	Ci.	Cu.	3	....	Cu.
16..	N	N	SW	WSW	NE	N	25.9	23	51.3	23.8	124	4	Ci.-S.	Cu.	9	Ci.-S.	Fr.-Cu.
17..	NE	NE	NE	SE	ENE	NE	22.2	25.4	72.4	21.9	141.9	8	A.-Cu.	Fr.-N.	7	Ci.-S.	Cu.
18..	Calm	NE	SE	W	SW	NE	18.3	62	67.4	21.9	169.6	7	A.-Cu.	Cu.	8	Ci.-S.	Fr.-N. W
19..	NNW	N	WSW	W	NW	Calm	73.8	50.1	104.6	24.1	252.6	5	Ci.-S.	Cu.	8	Ci.-S.	Fr.-N. W
20..	N	NW	WNW	W	W	WNW	28.5	99.6	116.2	27.7	272	8	Ci.-S.	Cu.	8	Ci.-S.	Cu.
21..	N	NNW	SE	SSW	W	NNW	19.9	25.7	69.5	44.5	159.6	8	Ci.-S.	Cu.	8	Ci.-S.	Cu.
22..	SW	NE	SW	W	WSW	NW	26.6	21.7	122.6	54.9	225.8	9	Ci.-S.	Fr.-N.	8	Ci.-S.	Cu.
23..	Calm	Calm	WSW	WNW	WNW	NE	20.3	41.6	104	16.1	182	7	Ci.	Cu. NW	10	Ci.-S.	Fr.-N. W
24..	N	NNE	SSE	SE	Calm	NNE	20.1	48.1	85.5	18.2	171.9	9	Ci.-S.	Fr.-N.	8	Ci.-S.	N. SE
25..	N	NNE	WNW	WNW	E	Calm	24.7	49.9	75.4	30.1	180.1	7	Ci.-S.	Cu.	9	Ci.-S.	Fr.-N.
26..	NNE	NNE	WNW	WNW	SW	NW	30.1	56.6	121.3	43.3	251.3	10	Ci.-S.	N.	10	Ci.-S.	Cu.
27..	NNW	NW	WNW	WNW	WNW	WSW	21.2	24.6	46.5	33.8	126.1	10	....	N.	10	A.-S.	Fr.-N.
28..	NW	NW	NNW	WNW	W	WNW	33.6	76.7	74.6	16.1	201	9	Ci.-S.	Fr.-N.	10	Ci.-S.	Fr.-N.
29..	N	N	W	WNW	W	W	22	35.1	113.5	54.4	225	8	Ci.-Cu.	N.	9	A.-Cu.	Cu.
30..	NNW	WNW	WNW	WNW	WSW	NW	27.4	76.6	115.6	49.1	268.7	8	A.-Cu.	N.	7	Ci.	Cu.
31..	N	NNW	NW	WNW	SW	Calm	22	63.8	105.9	45.9	237.6	3	Ci.	Cu.	4	Ci.	Cu.
Mean	......	......	......	......	......	......	27.5	52.9	94.7	29.9	205	7.6	....	....	.7.8	....	....
Total	......	......	......	......	......	......	......	......	......	......	6,354.7	....	....	....	....	....	....

ZAMBOANGA

[ϕ=6° 54′ N; λ=122° 05′ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.91 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.93	57.89	58.33	56.48	56.93	58.80	57.73	24.8	24.2	29.2	30	28.1	27.2	27.2	30.5	23.5	87	90	66	74	84	87	81.3	......
2..	57.97	58.27	58.89	57.37	57.50	59	58.17	25.7	25.1	28.3	28.9	29	26.2	27.2	30.6	24.8	88	91	74	74	73	79	79.8	......
3..	58.03	57.99	58.87	56.98	57.76	59.15	58.13	25	25	28.1	28.8	26.4	25.7	26.5	30.6	24.3	88	88	82	82	84	88	85.3	2.3
4..	57.83	57.99	58.88	56.93	57.80	58.83	58.04	25	25.1	27.7	28.9	28.2	27.7	27.1	29.5	23.8	93	93	85	78	82	85	86	......
5..	57.92	58.44	59.08	57.67	58.30	59.56	58.50	26.9	26.3	29.2	29.4	28.5	26.8	27.8	30.2	25.9	86	87	73	75	81	89	81.8	.5
6..	58.34	58.85	59.51	57.10	58.19	58.88	58.48	27.4	27.5	29.4	29.5	28.9	28	28.4	30.5	26.6	85	85	72	75	77	82	79.3	......
7..	57.60	57.90	57.25	55.87	56.58	58.58	57.30	27.5	26.7	29.4	29.5	28.5	28	28.3	31	26	81	85	72	68	74	82	77	......
8..	57.69	57.31	57.43	56.11	56.54	57.89	57.16	27.8	27.8	28.9	29.1	28.5	28	28.4	29.7	27.2	82	82	75	75	74	78	77.7	......
9..	57.31	57.34	58.13	56.67	57.02	58.59	57.51	27.7	27.5	28.8	29.5	28.5	27.7	28.3	29.8	25.8	79	81	77	71	73	83	77.3	......
10..	57.26	57.17	58.27	56.75	57.30	58.85	57.60	26.2	27.5	29	25.8	28.3	27.8	27.4	30	24.7	90	81	78	85	79	84	82.8	.3
11..	57.42	58.24	58.62	56.41	57.38	58.82	57.82	26.8	24.6	29.1	29.4	28.5	27.2	27.6	29.8	24	80	91	78	76	79	85	81.5	......
12..	57.81	58.25	58.93	56.86	57.55	58.98	58.06	26	25.9	29.1	29.8	28.9	26.4	27.7	30.8	24.9	85	85	74	73	74	84	79.2	......
13..	58.47	58.63	59.08	57.47	57.93	59.58	58.53	24.8	24.8	28.7	29.2	28.5	27.7	27.3	30.3	24.4	89	89	76	76	80	82	82	......
14..	59.10	59.62	60.30	58.28	58.32	60.35	59.33	25.3	25.3	28.2	28.7	28.2	25.3	26.8	29.8	24.4	89	89	79	78	72	85	82	......
15..	58.88	59.72	59.62	58.18	58.75	60.21	59.23	25	25	28	29.3	29	26	27	30.5	24.3	86	86	76	72	73	84	79.5	......
16..	59.45	60.12	60.85	58.46	59.29	60.61	59.80	25	24.7	27	28.3	28.7	25.7	26.6	29.4	24	84	84	80	79	75	90	82	1.3
17..	59.75	59.97	60.38	58.55	58.98	60.39	59.67	24	23.3	27.2	28.2	28.2	26.9	26.3	28.7	22.5	90	83	79	76	78	74	80	.3
18..	59.75	59.85	60.04	58.22	58.70	59.95	59.42	25.7	25.6	27.8	28.7	27.6	27.6	27.2	29	24.2	89	90	81	77	84	87	84.7	8
19..	58.94	59.87	59.99	57.87	58.65	59.18	59.08	26.5	23.6	24.7	29.2	28.2	27.6	26.6	29.9	21	90	97	92	76	80	84	86.5	4.8
20..	58.43	58.56	59.70	57.50	58.38	60.10	58.78	27.2	27.1	27.8	29	28.7	28.1	28	29.5	26.5	87	87	77	75	76	79	80.2	......
21..	59.20	59.54	59.90	57.85	58.11	59.95	59.09	25.8	25.5	28.5	29.3	28.4	26.5	27.3	30.4	24.5	87	88	79	76	78	88	82.7	......
22..	58.85	58.97	59.88	58.02	58.24	59.59	58.92	25.3	24.6	28.4	28.8	28	26.7	27	29.1	24.2	88	91	72	76	80	79	81	......
23..	58.97	59.02	59.85	57.67	58.18	59.60	58.88	24	23	27.7	28.6	28.3	26.1	26.3	28.7	22.5	90	91	82	78	80	88	84.8	......
24..	58.55	58.34	58.88	57.24	57.79	59.48	58.38	24.8	24.8	27.6	29	28.4	26.4	26.8	29.5	24.2	85	85	83	83	80	89	84.2	......
25..	58.55	58.49	59.06	57.50	57.55	59.38	58.42	25.4	23.5	27.7	29	28.7	25.7	26.7	29.8	23.1	88	88	82	78	86	86	84.7	......
26..	59.13	58.93	59.53	58.68	59.05	60.48	59.30	25.2	24.5	28.2	28.6	27.5	25	26.5	30	23.3	86	87	78	78	81	83	82.2	......
27..	59.53	59.97	60.53	58.20	58.38	60.03	59.44	24	23.8	27.3	28.7	27.5	25.6	26.2	28.8	22.9	86	86	82	71	80	85	81.7	......
28..	58.82	58.62	58.95	57	57.58	59.07	58.34	25.6	26.2	27.5	28.5	27.9	26.1	27	29.2	23.8	85	86	78	76	79	83	81.2	......
29..	58.22	58.14	58.79	56.73	57.60	58.86	58.06	25.2	24.7	27.8	29.2	27.6	26.6	26.8	30	23.9	86	90	84	76	80	83	83.2	......
30..	58.47	58.56	59.33	58.01	58.96	59.25	58.76	26.5	27	28	28.9	26.1	25.1	26.9	29.4	23.8	80	77	81	75	79	88	80	......
31..	58.47	58.89	59.33	57.44	57.51	59.44	58.51	24.3	23.5	28.8	28.3	28.5	25.6	26.5	30.4	22.8	89	91	76	77	78	89	83.3	......
Mean	58.47	58.69	59.23	57.42	57.96	59.40	58.53	25.7	25.3	28.2	28.9	28.2	26.7	27.2	29.9	24.3	86.4	87.2	78.2	76.1	78.5	84.3	81.8	......
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	17.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NNE	NE	SSE	WNW	W	WNW	18.5	22.3	100.3	52.8	193.9	8	A.-Cu.	Cu.	8	A.-Cu.	Cu.
2..	NNE	Calm	WSW	W	SE	NE	12.6	24.7	44.8	24.1	106.2	8	Ci.-S.	N.	10	Ci.-S.	N.
3..	N	NNE	SW	W	WSW	WSW	25.7	32.5	123.9	33.2	215.3	9	Ci.-S	S.-Cu.	8	Ci.-S.	Fr.-N. W
4..	NNW	Calm	WNW	WSW	SW	W	22.2	64.1	139.4	51.8	277.5	8	A.-Cu.	Fr.-N.	8	Ci.-S.	Cu.
5..	NW	NW	SSW	WSW	WSW	NNW	51	37.8	130.9	30	249.7	9	Ci.-S.	N.	8	Ci.-S.	Cu.
6..	N	WSW	Calm	WSW	WSW	WSW	90.7	29.3	105.6	103.5	329.1	10	Ci.-S.	N.	7	Ci.-S.	Cu.
7..	WNW	NW	WSW	W	WSW	WSW	51.2	88.2	137.4	109.4	386.2	8	A.-Cu.	S.-Cu.	3	Ci.	S.-Cu.
8..	WSW	WSW	WSW	WSW	WSW	WSW	94.3	154.7	144.8	83.7	477.5	8	Ci.	S.-Cu. SW	4	Ci.	Cu.
9..	WSW	NW	WSW	WSW	WSW	NW	86.4	114.3	171.9	61.7	434.3	10	Ci.-S.	Fr.-N.	4	Ci.	Cu.
10..	NNW	NW	WNW	W	WSW	WSW	39.7	80.8	130.6	90.1	341.2	8	Ci.	Cu.	9	Ci.-S.	N. W
11..	NNW	Calm	W	WSW	WSW	NNW	16.3	56.6	141.6	64.4	278.9	10	A.-S.	N.	7	Ci.	Cu.
12..	NNW	NW	WNW	W	SW	E	21.5	55.8	113.5	44.1	234.9	10	Ci.-S.	Fr.-N.	7	Ci.	Cu. W
13..	ENE	NE	ESE	SE	SE	SE	22.7	73.4	87.9	83.9	267.9	9	Ci.-S.	Cu.	7	Ci.-S.	Fr.-Cu.
14..	N	NE	SE	S	WNW	NNE	25.9	46.5	73.8	23.3	169.5	7	Ci.	Cu. SE	7	Ci.-S.	N.
15..	NNE	NNE	SE	ESE	E	ENE	24.7	58.5	122.5	21.5	227.2	7	Ci.-Cu.	S.-Cu. SE	7	A.-Cu.	Cu.
16..	N	ENE	W	SE	E	NNE	23.9	46.1	110.5	23	203.5	6	Ci.-Cu.	N.	3	Ci.	Cu.
17..	NE	NNE	WSW	W	W	WNW	30	51	147.6	46.4	275	2	Ci.	S.-Cu.	3	Ci.	Cu.
18..	Calm	WNW	W	W	W	WSW	20.9	118.5	132.3	93.9	365.6	8	Ci.	Cu.-N. WNW	5	Ci.	Cu.
19..	WSW	WNW	WNW	WNW	W	WSW	169.8	63.6	79.7	88.2	401.3	10	Ci.-S.	Fr.-N. W	9	Ci.-S.	N.
20..	WSW	WSW	WSW	W	WSW	WSW	121.5	106.5	138.4	86.3	452.7	10	Ci.-S.	N.	7	Ci. W	Fr.-Cu. W
21..	NE	NNE	SE	SSE	SE	N	22.5	60.2	80.7	51.3	214.7	8	Ci.	Fr.-N. SE	7	Ci.-Cu.	Cu.
22..	NNE	NNE	W	WNW	WNW	NNE	34.4	46.1	114	27.1	221.6	7	Ci.	S.-Cu.	8	Ci.-S.	Cu.
23..	NE	Calm	W	WSW	W	NNW	21.1	56.8	165.4	39.7	283	7	Ci.	S.-Cu.	4	Ci.	Cu.
24..	NNW	NNW	W	W	NW	N	22.5	55.5	102	18.7	198.7	4	Ci.	Cu.	7	Ci.	Cu.
25..	N	NNE	S	NW	E	NE	28.7	39.1	61.2	25.5	154.5	8	Ci.	S.-Cu.	8	Ci.-S.	Cu.
26..	NNE	NE	SE	SE	E	NNE	24.6	51	66	22	163.6	8	Ci.	S.-Cu.	7	Ci.	Cu.
27..	NNE	N	WSW	W	WSW	ENE	25.9	62.3	122.8	18	229	8	Ci.-Cu.	Cu.	7	Ci.	Cu.
28..	NW	SW	WSW	W	WNW	NNW	38.6	74	143.8	32.7	289.1	7	Ci.	Cu.-N. NW	8	Ci.	Cu.
29..	Calm	NW	W	WNW	W	WNW	19.3	75.3	139.2	30.6	264.4	7	Ci.-S.	Cu	6	Ci.	Cu.
30..	W	WSW	W	W	WNW	NE	34.4	77	108.9	20.6	240.9	10	Ci.-S.	N.	9	Ci.-S.	Fr.-N. W
31..	NE	NNE	E	SE	E	NE	22.8	66	107	21.4	217.2	6	Ci.	Cu.	8	Ci.-S.	Fr.-Cu.
Mean	......	......	......	......	......	......	40.8	64.1	115.8	49.1	269.8	7.9	....	....	6.8	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	8,364.1	....	....	....	....	....	....

ZAMBOANGA

[$\phi = 6° 54'$ N; $\lambda = 122° 05'$ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.91 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.77	58.76	58.73	57.23	57.59	59.55	58.44	25.2	24.7	28.5	28.5	27.5	26.4	26.8	30	24.2	88	91	72	74	81	85	81.8	......
2..	58.91	58.87	59.90	58.14	58.48	60.41	59.12	25.3	24.5	28.5	28.5	28.3	26	26.8	29.5	24.2	85	89	72	72	77	85	80	1
3..	59.15	59.77	60.29	58.29	58.61	60.49	59.43	25.2	24.2	27.8	28.5	28.5	26.5	26.8	30.5	23.8	85	86	79	72	74	84	80	......
4..	59.45	59.47	60.15	57.80	58.52	59.93	59.22	25.1	25.1	27.7	29	28.4	27.2	27.1	29.5	24.2	85	85	79	77	82	83	81.8	......
5..	59.05	59.19	59.83	57.19	58.15	59.40	58.80	25	24.5	28.3	28.9	28.1	26.4	26.9	29.5	23.6	85	85	80	82	77	79	81.3	9.7
6..	58.67	58.77	59.24	58.02	58.11	59.13	58.66	24.5	23.2	27	27	26	24.6	25.4	27.7	22.3	92	94	80	75	81	80	83.7	65.8
7..	57.88	58.72	59.47	57.89	57.67	59.71	58.56	23.9	22	24.1	25.3	26	25.2	24.4	27.5	21.2	84	96	95	88	76	82	86.8	55.4
8..	58.38	58.89	59.78	57.92	58.28	59.87	58.85	25.4	23.4	26.4	25.8	25.3	23.8	25	26.7	22.2	84	95	81	82	81	89	85.3	20.9
9..	59.15	59.34	60.94	58.09	58.12	59.30	59.16	23	22.9	22.4	27.2	26.6	24.5	24.4	28	21.5	96	96	98	78	82	87	89.5	34.4
10..	58.53	59.09	59.27	56.92	57.52	58.25	58.26	24.4	22.5	24.5	24.9	26.8	25.6	24.8	27.6	21	88	97	97	92	86	87	91.2	16.5
11..	57.06	57.36	57.52	55.89	56.57	57.86	57.04	25.5	26.8	27.2	27	26.2	24.3	26.2	27.7	22	87	87	85	88	85	93	87.5	38.2
12..	57.22	57.17	57.82	56.45	56.23	57.86	57.12	23	24.3	26.4	27.4	27.4	26.5	25.8	28	22	96	95	89	81	83	95	89.8	12.9
13..	57.34	57.32	58.43	56.75	57.24	58.92	57.67	24.8	24.8	27.5	28	27.2	24	26	29	22.3	93	93	86	81	84	96	88.8	8
14..	58.37	58.69	59.65	57.04	57.38	59.18	58.38	24.2	23	27.3	28.5	27.6	25.7	26	29.5	22	96	96	78	78	78	88	85.7	......
15..	58.56	58.36	59.52	56.90	57.38	59.63	58.39	25.2	25	27.6	28	27.5	25	26.4	29	24	91	92	80	82	77	84	84.3	......
16..	58.44	58.79	59.55	57.45	58.21	60.28	58.79	24.5	24	27.7	27.8	27.2	26	26.2	28.6	23.5	85	85	76	87	83	84	83.3	......
17..	58.86	59.67	60.68	58.93	59.43	60.65	59.70	25	24.5	27.3	25.8	25.5	24	25.4	29.7	23.5	88	89	86	85	88	91	87.8	.9
18..	59.37	59.96	60.98	58.89	58.85	60.85	59.82	23.5	23	28	29	27.7	25	26	30.3	22.4	89	89	77	72	82	92	83.5	......
19..	59.85	60.05	60.38	57.98	58.40	60.33	59.50	24.3	23.4	27.3	27.9	27.7	26	26.1	28.5	23	91	90	84	78	83	81	84.5	.8
20..	58.95	59.35	59.82	58.05	58.28	60.31	59.13	25.2	24.6	28	27.5	27.6	26	26.5	28.7	24.1	90	91	81	78	84	90	85.7	......
21..	59.20	59.21	60.05	57.18	57.53	59.89	58.84	25.2	24.7	28.3	28	27.8	26	26.7	30.2	23.7	90	83	78	79	82	88	83.3	......
22..	58.95	59.16	59.58	57.30	58.10	59	58.68	25.2	24	28	29.3	27.8	26.2	26.8	31	23.5	88	88	83	72	83	86	83.3	3.6
23..	57.88	58.52	59.24	56.93	57.98	59.50	58.34	26	24.8	26.8	28.3	27.3	25.8	26.5	29.1	24.5	88	98	83	80	82	88	86.5	8.1
24..	58.01	58.17	58.85	57.19	57.73	58.82	58.13	25.2	24.1	27	27.7	27.8	25.7	26.2	29.1	23.7	90	92	85	81	77	87	85.3	.5
25..	57.82	58.27	58.93	57.30	57.85	59.20	58.23	25.2	24	27.7	28.3	27.7	26.9	26.6	29	23.5	90	91	84	80	87	85	86.2	.8
26..	58.25	58.54	60.09	57.75	58.20	59.80	58.77	25.5	25	26.8	28.1	27.1	25.7	26.4	28.9	23.9	94	97	88	80	87	86	88.7	2.5
27..	58.61	58.47	59.73	57.94	58.36	59.48	58.76	24.8	24	26.9	27.4	27	25.8	26	28	23.2	91	93	85	84	86	89	88	......
28..	58.37	58.98	59.84	57.62	58.25	59.61	58.78	24.5	24.4	27.3	28.4	27.1	25.5	26.2	29.3	23.6	88	88	84	82	87	86	85.8	......
29..	58.88	59.37	59.80	57.48	58.36	59.98	58.98	24.8	23.1	27	28	27.2	26.5	26.1	28.2	22.7	89	90	84	83	83	87	86	......
30..	58.80	58.98	59.47	57.30	58.06	59.05	58.61	25.6	25.7	27.5	27.4	27.1	25.2	26.4	28.1	23.5	87	86	77	82	86	93	85.2	5.1
Mean	58.56	58.84	59.58	57.53	57.98	59.54	58.67	24.8	24.1	27.1	27.7	27.2	25.6	26.1	28.9	23.1	89.1	90.9	82.9	80.2	82.1	87	85.4	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	285.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NNE	NE	SE	S	SE	NNE	24.4	72.6	83.2	35.7	215.9	8	Ci.-S.	N.	8	A.-Cu.	Cu.
2..	NE	N	SE	SE	ESE	NE	23	79.2	98.7	22.3	223.2	8	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu. SE
3..	NNE	N	SE	SE	SE	WNW	19.8	84.2	141.1	18.7	263.8	3	Ci.	Cu.	4	Ci.	Cu.
4..	NNE	NNE	SW	W	WNW	NE	23.3	37.3	140	21.5	222.1	9	Ci.-S.	Fr.-N.	7	Ci.	Cu.
5..	N	NW	SSW	WNW	WNW	NE	20.1	41.5	113.5	37.8	212.9	8	Ci.-S.	Cu.	9	Ci.-S.	N.
6..	WNW	NNE	W	W	W	N	38.4	145.8	111.3	47.7	343.2	9	A.-Cu.	Cu.-N.	9	Ci.-S.	N.
7..	Calm	N	E	WNW	WNW	NW	30.9	40	92	36.7	199.6	10	......	N.	10	Ci.-S.	Fr.-N. WNW
8..	NW	NW	WNW	NW	NW	NNE	38	103	81	31.1	253.1	10	Ci.-S.	Fr.-N. NW	9	Ci.-S.	Fr.-N.
9..	N	NW	NW	NW	NW	NNE	101.6	64.6	113	23.1	302.3	10	Ci.-S.	Fr.-N. WSW	9	Ci.-S.	Fr.-N. W
10..	Calm	NW	NW	WNW	NW	NW	28.2	70	93	27.1	218.3	10	......	N. W	10	A.-S.	N.
11..	NW	W	WSW	W	WNW	WSW	47.8	88.7	115.3	87.2	339	10	Ci.-S.	Fr.-N. W	10	Ci.-S.	Fr.-N. W
12..	WNW	WNW	SW	W	WSW	WSW	137.3	117.3	133.6	109.7	497.9	10	Ci.-S.	Fr.-N. W	9	Ci.-S.	Fr.-N. SW
13..	WNW	Calm	WNW	WSW	NW	NW	52.8	58.5	86.7	31.7	229.7	9	Ci.-S.	Fr.-N. SW	9	Ci.-S.	N.
14..	NNW	NW	WNW	SSW	NW	Calm	50.1	45.3	77.2	39.6	212.2	10	Ci.-S.	N.	6	Ci.	Cu.
15..	NNW	NW	NW	W	NW	NNE	26.4	52.9	83.2	20.6	183.1	9	Ci.-S.	Fr.-N. SW	4	Ci.	Cu.
16..	NNE	NNE	SE	SE	Calm	NNE	26	44.1	86.4	15.9	172.4	8	Ci.-S.	N.	7	Ci.-S.	Cu.
17..	Calm	NNE	ENE	SW	ENE	NE	16.1	33.5	69.2	24.9	143.7	9	......	N.	9	Ci.-S.	Fr.-N.
18..	Calm	NE	SSE	W	WNW	NNE	18.2	49.1	81.3	29.8	178.4	8	Ci.-S.	N.	6	Ci.-S.	Cu.
19..	NE	NE	SSE	SSW	N	SW	22.7	85.3	64.2	22.5	194.7	7	A.-Cu.	Cu.	7	Ci.	Cu.
20..	NNE	NE	SSE	S	SW	ENE	18.8	47.8	56.5	19.5	142.6	9	......	Fr.-N. NE	8	A.-Cu.	Cu.
21..	NE	NE	SSE	SSE	ESE	N	21.5	76.4	116.5	16.4	230.8	8	A.-Cu.	Cu.	3	......	Cu.
22..	NNE	NNE	SSE	W	WSW	WNW	18.7	79.1	81.3	22.5	201.6	2	......	Cu.	3	......	Cu.
23..	NW	N	W	W	WNW	NNE	35.1	40.5	109.9	28	213.5	10	......	N. SE	9	Ci.-S.	Cu.
24..	NNE	NNE	SE	W	NW	Calm	16.6	59.5	84	11.5	171.6	8	Ci.	Cu.	7	Ci.	Cu.
25..	N	NNE	SE	WNW	WSW	NW	25.1	63.6	86.6	35.4	210.7	3	Ci.	Cu.	5	Ci.	Cu.-N. NE
26..	Calm	NNE	S	W	NNE	NNE	16.3	29.2	80.3	40.4	166.2	10	......	N.	8	Ci.-S.	Cu.
27..	Calm	Calm	WSW	WNW	W	Calm	38	44.8	65.7	22.8	171.3	8	Ci.-S.	S.	8	Ci.-S.	Fr.-N.
28..	NNE	NNE	S	W	W	WNW	21.1	47.7	91.4	26.9	187.1	9	Ci.-S.	N.	7	Ci.-S.	Cu.-N.
29..	NNE	NNE	WSW	W	WNW	WSW	20.7	47	106.7	27.6	202	8	Ci.-S.	N.	8	Ci.-Cu.	N. W
30..	NNE	WNW	W	WNW	WNW	Calm	19.9	48.9	99.3	17.2	185.3	9	Ci.-S.	N.	8	Ci.-S.	N.
Mean	......	......	......	......	......	......	33.2	63.2	94.7	31.7	222.9	8.3	......	......	7.4	......	......
Total	......	......	......	......	......	......	......	......	......	......	6,688.2	....	......	......	....	......	......

ZAMBOANGA

[$\phi=6°\ 54'$ N; $\lambda=122°\ 05'$ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.91 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.16	59.03	59.94	58.17	58.42	59.62	58.89	25	24.1	25	24.5	24.7	24.5	24.6	26.8	23	94	96	93	96	92	92	93.8	63.7
2..	58.03	58.47	59.41	56.74	57.42	59.10	58.20	24.3	24	25	28.2	26.6	26	25.7	28.8	22.8	94	96	92	76	77	82	86.2	8.4
3..	57.91	58.36	59.75	57.77	57.98	59.23	58.50	24.7	24.6	26.2	26.4	26.3	25.5	25.6	28.9	23	90	90	82	81	86	88	86.2	4.1
4..	58.42	58.94	59.88	57.85	58.55	60.35	59	24.8	24.3	27.8	28.3	25.5	25.2	26	28.9	23.1	90	91	79	77	89	90	86	6.4
5..	58.79	58.77	59.58	57.72	58.05	60	58.82	24.8	25	27.5	25.3	25.3	24.7	25.4	28.4	23.5	93	93	82	89	89	92	89.7	36.1
6..	58.92	59.09	59.96	57.21	58.14	60.51	58.97	24	25	24.8	27.6	26.5	24.8	25.4	28.1	22	93	93	85	77	85	87	86.7	78.6
7..	59.42	60.21	59.93	58.02	58.82	60.39	59.46	24.5	23.5	26.4	25.3	24.2	24	24.6	28.7	21.8	87	87	76	84	94	95	87.2	12.7
8..	58.88	59.41	59.81	57.72	57.96	59.19	58.83	23.8	23.5	24	26.7	26	25.7	25	27.2	21.4	95	96	83	79	86	89	88	17.3
9..	58.05	58.77	59.60	57.61	58.20	58.77	58.50	25.3	26	27.3	25.5	25.1	24.3	25.6	28.6	22.4	89	92	84	86	87	92	88.3	9.9
10..	58.13	58.79	59.60	57.58	57.95	59.29	58.56	24	23.6	28.6	24.9	25.6	24	25.1	29.5	22.7	85	88	75	95	86	83	85.3	2
11..	58.17	59.02	59.34	58.05	58.37	60.03	58.83	23.5	23.4	28.2	27.8	27.5	25.3	26	30.5	22.1	83	84	70	78	81	89	80.8	2.3
12..	59.12	60.59	60.78	58.73	59.04	60.06	59.72	24.9	25	26.9	27.2	26	25.1	25.8	28	23.4	88	88	81	77	88	91	85.5	......
13..	59.09	59.04	60.26	57.84	57.84	58.99	58.84	24.2	24.5	27.3	28.7	27.7	26.5	26.5	29	22.8	86	86	82	82	83	84	83.8	4.8
14..	57.38	57.52	58.27	56.69	56.57	57.35	57.30	26.3	24.8	25.2	23.3	25.3	26.2	25.2	27.8	22.8	85	92	90	96	89	88	90	35.3
15..	56.33	57.25	58.87	56.75	57.16	58.39	57.46	23.7	26.5	24	26.5	25.5	24.5	25.1	28	23	96	88	96	84	78	87	88.2	11.9
16..	58.07	58.79	59.11	56.92	57.48	59.56	58.32	23.4	24.2	28.7	29.5	27.5	26	26.6	29.7	22.9	93	94	75	75	90	95	87	......
17..	57.77	58.86	59.72	57.58	57.97	59.21	58.52	24.3	24.4	28.3	28.8	28.3	25.3	26.6	29.7	23.6	91	90	80	76	77	85	83.2	......
18..	58.34	58.49	59.29	56.90	57.65	58.77	58.24	24.2	23.8	28.3	28.7	28.3	25.2	26.4	29.5	23.3	85	86	79	78	74	90	82	......
19..	58.26	58.47	59.28	57.23	57.63	59.08	58.32	23.6	23.3	27.9	29.5	28.2	25.7	26.4	30	22.4	87	85	77	71	80	82	80.3	......
20..	58.27	58.62	59.86	57.20	58.09	59.49	58.59	24.8	23.6	28.4	28.8	28	26.2	26.6	29.5	23	82	81	77	77	77	86	80	.3
21..	58.77	58.81	59.48	57.84	58.36	59.74	58.83	25.1	24.7	28.8	24.5	25.5	24.3	25.5	29.5	23	89	89	65	94	93	91	86.8	23.9
22..	58.69	58.79	59.13	57.57	58.40	59.83	58.74	24.5	23.2	31.2	29.2	27.8	25	26.8	32.6	22.4	84	82	60	72	80	81	76.5	......
23..	58.67	59.34	60.10	58.40	59.21	60.13	59.31	24.6	24.3	27.4	27.1	26.2	25	25.8	29.8	23.6	83	85	84	81	87	93	85.5	6.9
24..	58.87	59.29	60.61	58.15	58.99	60.05	59.33	24	24.5	26.2	26.8	26.5	24.4	25.4	29.8	23.4	91	87	87	82	86	91	87.3	.3
25..	59.22	59.37	60.43	58.09	59.11	60.62	59.47	24	24	28.6	28	26	24.2	25.8	30.5	23.4	89	88	75	77	89	90	84.7	2.3
26..	59.74	60.15	60.80	58.63	58.93	60	59.71	23.9	24.2	27.8	27.5	27	24.6	25.8	29.6	23.4	90	87	80	73	81	90	83.5	......
27..	59.56	60.30	60.84	58.68	58.79	60.38	59.76	24	23.3	28.4	29.4	27.7	25	26.3	30.5	21.8	88	86	78	72	77	86	81.2	2.5
28..	59.23	59.25	59.91	57.77	57.53	59.05	58.79	23.2	23.3	28	29.5	27.7	24.8	26.1	29.6	22.8	92	92	79	70	81	87	83.5	......
29..	57.99	58.48	58.94	56.60	56.95	59.02	58	24	24	27	28.7	27.7	25.3	26.1	29.5	23.4	88	88	84	75	79	89	83.8	......
30..	57.87	58.79	59.45	57.04	57.76	58.62	58.26	24.6	24.5	25.7	28	25.6	25	25.6	28.2	23.6	89	89	84	77	87	89	85.8	1.6
31..	57.83	58.34	59.43	57.33	57.50	59.18	58.27	24	24	30.2	29.5	28	25.2	26.8	31.5	23.2	89	89	70	70	77	90	80.8	......
Mean	58.45	58.95	59.72	57.63	58.09	59.45	58.72	24.3	24.2	27.3	27.4	26.6	25.1	25.8	29.2	22.9	89	89	80.1	79.9	84	88.5	85.1	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	331.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NW	WNW	SSW	WSW	NW	NNW	34.3	60	70.8	31.9	197	10..	....	N.	10	....	N. W
2..	NW	NW	NW	WNW	NW	NW	67.4	85.5	135.4	59.7	348	10	....	N.	7	Ci.	Cu.-N. W
3..	WNW	WNW	W	WNW	NW	Calm	81.5	147.6	110.7	19.6	359.4	9	A.-S.	Fr.-N.	10	Ci.-S.	Fr.-N. W
4..	NW	Calm	W	NW	WNW	SSW	13.9	81.5	116.2	91.7	303.3	9	Ci.-S.	N.	8	Ci.-S.	Cu.-N.
5..	NW	NNW	WNW	NW	W	Calm	70	83.9	81.9	32.7	268.5	8	Ci.-S.	Cu.-N. W	9	Ci.-S.	Fr.-N.
6..	SE	W	WNW	NW	WNW	NW	118.6	160.7	149.7	94.3	523.3	10	....	N. W	8	Ci.-S.	Fr.-N. W
7..	WNW	WNW	WNW	WNW	NW	NNE	78.6	148.4	88	25.2	340.2	10	....	N.	9	A.-S.	N.
8..	NNE	Calm	WNW	W	NW	NNW	20.4	100.9	92.5	19.5	233.3	10	Ci.-S.	Fr.-N.	9	A.-S.	Fr.-N.
9..	NNW	NW	NW	W	NNW	NE	35.1	68.9	76.9	27.9	208.8	10	....	N. W	10	Ci.-S.	Fr.-N. W
10..	NNE	NE	SW	NW	NW	NE	31.7	31.9	54.2	21.4	139.2	9	A.-Cu.	N.	10	Ci.-S.	Fr.-N.
11..	N	NNE	SSE	SE	E	Calm	27.6	56.5	95.8	16.3	196.2	8	A.-Cu.	Fr.-N.	7	Ci.-S.	Cu.
12..	NW	W	ENE	SSW	Calm	Calm	112.3	99	24.3	.....	....	10	Ci.-S.	Fr.-N. W	10	Ci.-S.	Fr.-N.
13..	Calm	Calm	Calm	W	Calm	NW	.....	.....	[a] 26	24.3	....	10	Ci.-S.	Fr.-N.	10	A.-S.	Cu.-N.
14..	NW	NNW	Calm	WNW	NW	WNW	90.7	45.6	110.8	123.1	370.2	10	Ci.-S.	Fr.-N. NW	10	Ci.-S.	N. NW
15..	WNW	WNW	WNW	WNW	NW	NW	125.5	203.5	189.7	25.2	543.9	10	Ci.-S.	N. WNW	10	Ci.-S.	Fr.-N. WNW
16..	Calm	Calm	S	SW	NE	Calm	20.7	24.7	55.3	19.3	120	3	Ci.	Cu.	2	Ci.	Cu. SW
17..	NNE	N	S	W	NW	NE	20.1	31.9	85.9	16.9	154.8	3	Ci.	Cu.	5	Ci.-S.	Cu.
18..	Calm	Calm	SSE	SE	NW	NNE	11.8	44.8	49.4	20.1	126.1	4	Ci.	Cu.	8	A.-Cu.	Cu.-N.
19..	N	NNE	SSW	WNW	WNW	NW	21.4	33.8	96.8	27.2	179.2	8	Ci.	S.	7	Ci.-S.	Fr.-N.
20..	N	NNE	W	WNW	Calm	Calm	19.6	67.9	137.3	10.5	235.3	6	Ci.	Cu.	9	Ci.-S.	Cu. W
21..	Calm	Calm	WNW	WNW	NNW	Calm	11.5	73.8	36.4	15.1	136.8	8	A.-Cu.	Fr.-N.	10	....	N.
22..	NE	NE	NE	SSW	Calm	NNE	20.4	52.5	38.4	18.2	129.5	3	Ci.	Cu.	6	Ci.	Cu.-N. NE
23..	NE	NE	SSE	SE	SE	NE	24.3	35.2	61.4	25.2	146.1	9	....	Fr.-N.	8	A.-Cu.	Fr.-N.
24..	NE	NE	ESE	SSE	NE	NE	20.1	93.3	68.6	15	197	4	Ci.	Fr.-N.	7	Ci.	Cu. SE
25..	NE	NE	SE	SE	ENE	NE	19.8	64.7	100.8	27.1	212.4	4	Ci.	Cu. SE	9	....	Fr-N.
26..	NE	NE	SE	S	SE	Calm	20.6	67.6	61	13.7	162.9	9	A.-Cu.	Fr.-N.	7	Ci.	Cu.
27..	Calm	NE	SE	SW	Calm	NE	15	56.6	29.3	19.3	120.2	3	Ci.-Cu.	Cu.	3	....	Cu. SE
28..	Calm	NNE	SSW	WSW	NW	NNE	24.4	36.5	48.3	15.8	125	3	Ci.	Cu.	3	Ci.	Cu.
29..	NE	NE	SE	SE	SW	Calm	27.2	27.9	52.1	24.7	131.9	9	Ci.-S.	N.	7	Ci.	Cu. SE
30..	NNW	NNE	SE	SW	NE	Calm	15.5	40	59.5	12.6	127.6	10	Ci.-S.	Fr.-N. NW	8	Ci.-S.	N.
31..	Calm	NE	E	E	E	Calm	17.7	44.9	100.4	17.7	180.7	9	A.-Cu.	Fr.-N.	4	Ci.	Cu. E
Mean	......	......	......	......	......	......	40.6	72.3	80.8	30.4	224.7	7.7	....	....	7.7	....	....

[a] 1 hour missing.

ZAMBOANGA

[ϕ=6° 54′ N; λ=122° 05′ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.91 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.79	58.93	59.64	57.41	58.14	59.18	58.68	23.8	23.4	27.7	28.3	28	25.5	26.1	29.5	23	86	84	82	82	75	88	82.8	....
2..	58.37	58.79	59.53	56.77	57.65	58.96	58.34	24.5	24.3	27.6	29.4	28.7	25.9	26.7	29.6	23.6	86	84	82	76	85	88	83.5	....
3..	57.86	57.93	58.55	56.24	57.02	57.97	57.60	25	25.2	28.3	28.4	28.5	26.5	27	30.7	24.4	92	90	79	80	78	88	84.5	16.5
4..	57.27	57.64	58.57	56.17	56.73	57.89	57.38	25.4	24.4	28.9	28.8	28.4	27	27.2	30.7	23.8	93	95	77	80	82	86	85.5	11.2
5..	56.66	57.72	58.18	55.94	56.98	58.54	57.34	26.4	24.2	28.3	29.2	28.3	26.7	27.2	30	23.7	86	96	82	68	79	89	83.3	6.9
6..	56.95	57.38	57.99	56.07	57.13	58.15	57.28	25.5	24.4	29.7	27.5	27.7	25.2	26.7	31.2	24	92	94	71	82	84	87	85	....
7..	57.99	58.37	59.73	56.85	58.16	59.21	58.38	24.2	24.5	27.6	27.7	26.7	25	26	30.8	23.1	93	93	78	77	83	82	84.3	....
8..	58.29	58.52	59.98	57.40	58.27	58.72	58.53	24.4	24	26.2	26.8	25.7	24.5	25.3	27.2	23.4	87	89	90	86	90	92	89	2.5
9..	58.29	58.63	59.20	57.48	58.02	58.95	58.43	24.5	24	27.9	27.7	26.6	25.3	26	28.8	23.5	86	90	77	81	83	87	84	....
10..	58.27	58.29	58.79	57.10	57.68	58.04	58.03	24.1	23.8	27.5	28	27.4	26.1	26.2	29.3	23.2	88	89	83	80	84	88	85.3	....
11..	57.32	57.66	58.38	55.99	57.16	57.92	57.40	24.5	24	27.8	28.3	26.3	25.2	26	28.9	23.4	87	90	82	75	86	90	85	....
12..	57.04	57.94	58.46	56.75	57.60	58.98	57.80	26.2	24.4	27.9	28.7	27	25.3	26.6	29	23.5	86	86	82	78	86	89	84.5	....
13..	57.34	58.07	59.17	57.61	58.47	59.45	58.35	24.2	24.2	27.7	26.7	25.6	25.2	25.6	30	23.1	86	86	83	84	87	83	84.8	.5
14..	57.87	58.78	59.78	57.65	58.58	59.73	58.73	23.8	23.2	27.8	28.7	27.2	25	26	30.5	22.5	88	90	79	76	83	92	84.7	....
15..	58.46	58.63	59.82	56.89	58.15	58.71	58.44	23.8	23.3	27.4	28.8	27.5	25.2	26	29.3	22.4	89	89	82	73	77	90	83.3	....
16..	57.93	57.91	59.64	56.88	57.91	58.65	58.15	26	23.5	27.8	28.5	27.2	26.4	26.6	29.5	23	85	89	81	74	75	85	81.5	....
17..	57.94	57.97	59.23	57.23	58.26	59.55	58.36	24.2	25.1	28.3	28.8	26.7	25.5	26.4	29	23.4	90	88	82	76	82	86	84	....
18..	58.01	58.79	59.58	57.30	58.21	60.34	58.70	24.7	23.8	27.7	27.2	26.6	24.4	25.7	29	22.8	86	89	83	81	87	97	87.2	.9
19..	58.47	58.66	59.35	57.08	58.01	59.76	58.56	25	25.5	27.5	28.6	27.5	25.1	26.5	29.2	23.4	93	83	78	75	80	83	82	....
20..	58.59	58.58	58.93	57.39	58.16	59.60	58.54	24.2	24	29.1	26.7	26.7	24.8	25.9	31	23	86	87	69	83	83	89	82.8	....
21..	57.64	57.68	58.29	56.78	57.68	58.77	57.81	23.6	23.1	30.6	28	28.3	25.3	26.5	31.2	22.5	86	86	64	80	77	85	79.7	....
22..	58.34	58.62	59.67	57.87	59.12	59.97	58.93	23.8	23.7	28.3	29	24	24.6	25.6	29.8	22.7	85	85	73	77	84	87	81.8	3
23..	59.19	59.55	60.55	58.35	59.68	60.38	59.62	23.5	23.4	27.9	28.8	25.4	25.6	25.8	29.5	22.5	92	92	78	69	84	83	83	....
24..	59.13	59.29	60.06	57.86	58.67	59.99	59.17	23.7	23.5	27.4	27.1	25	24.8	25.2	29.5	22	91	91	78	87	88	89	87.3	19.6
25..	58.69	58.89	59.55	57.72	58.46	59.08	58.73	23.5	23	28.5	26.2	26.1	24.7	25.3	29.7	22.2	89	90	72	76	83	92	83.7	....
26..	58.53	58.62	59.28	57.39	57.84	58.86	58.42	23.2	23.8	27.7	26	25.7	24.2	25.1	28.8	22.5	90	85	83	89	84	82	85.5	20.3
27..	57.81	58.07	59.05	57.63	57.82	59.01	58.23	23.5	23.5	27.2	26.7	24	23.6	24.8	28.6	22.8	91	91	84	82	96	90	89	1.5
28..	58.48	58.57	59.70	57.89	58.38	60.13	58.86	23.4	23.4	27.8	30.2	28.1	25	26.3	31.2	22.7	89	89	74	64	79	89	80.7	....
29..	59.66	59.21	59.79	57.33	57.05	58.64	58.61	23.8	23.5	28.5	28.8	27.5	25.4	26.2	29.7	23	91	91	74	74	84	88	83.7	....
30..	58.12	58.16	59.70	57.01	57.89	59.15	58.34	25	24.1	28.2	28.1	28	25.4	26.5	30	23.8	88	91	80	78	77	86	83.3	....
Mean	58.11	58.40	59.27	57.13	57.96	59.08	58.32	24.4	23.9	28	28.1	26.9	25.3	26.1	29.7	23.1	88.6	89.1	78.7	78.1	82.8	87.7	84.2	....
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	82.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	NE	S	SE	W	NNE	20.3	62.8	76.9	19.6	179.6	7	Ci.	Fr.-Cu.	8	Ci.-S.	Cu.-N.
2..	NE	NE	SE	SW	Calm	N	23.6	61.4	47.7	17.7	150.4	10	Ci.-S.	Fr.-N. NE	7	Ci.-S.	Cu.-N. NE
3..	NE	NNE	SE	SE	NW	NE	24.4	64.6	98.8	18.5	206.3	8	Ci.	Fr.-N. NE	4	Ci.	Cu.
4..	N	NNE	SE	SE	WNW	NW	16.1	62.5	91.1	32.2	201.9	3	....	Cu.	5	Ci.-S.	Cu.
5..	Calm	NE	SSE	SE	NW	Calm	24.3	58.7	76.6	20.6	180.2	9	Ci.-S.	N.	5	Ci.	Cu.
6..	NE	NE	SE	SSW	Calm	NNE	21.5	54.7	54.2	18.2	148.6	10	Ci.-S.	N. NE	9	Ci.-S.	Fr.-N.
7..	NE	Calm	SE	SE	NE	NNE	20.3	51.8	82.4	19.3	173.8	10	Ci.-S.	Fr.-N.	8	Ci.-S.	Cu. SE
8..	Calm	NNE	ENE	ENE	Calm	NE	20.4	30.6	32.5	15	98.5	10	Ci.-S.	Fr.-N.	10	....	N.
9..	N	Calm	SE	SE	NE	NE	18.7	56.9	67.9	13.1	156.6	8	A.-Cu.	Cu.	9	Ci.-S.	Cu.-N.
10..	N	NE	WSW	WSW	Calm	WNW	23	46.1	78.9	18.2	166.2	4	Ci.	Cu.-N.	9	Ci.-S.	N. W
11..	NE	Calm	SSE	W	NE	Calm	15.6	45.4	91.9	14	166.9	8	A.-Cu.	Cu.	8	Ci.-S.	Cu.-N.
12..	N	Calm	WSW	WNW	NW	Calm	29.6	56.1	100.3	21.9	207.9	7	Ci.	Cu.	8	Ci.-S.	Cu.
13..	Calm	NNE	SSW	WNW	WNW	NW	22.8	27.2	84.7	46.9	181.6	6	Ci.-S.	Cu.	9	Ci.-S.	Fr.-N. WNW
14..	N	Calm	SSE	S	Calm	NNE	11.9	60.2	49.3	16.4	137.8	4	Ci.	Cu.	8	Ci.	Cu.-N. NE
15..	Calm	WNW	W	W	NNE	NNW	19.6	79.2	112.9	14.7	226.4	8	Ci.-S.	Cu.	8	Ci.-S.	Cu.
16..	NNE	Calm	SW	WNW	NW	NW	25.7	35.2	94.1	24.6	179.6	8	Ci.-S.	Fr.-N. NE	9	Ci.-S.	Fr.-N. W
17..	Calm	NW	W	W	W	Calm	14.3	90.6	118.5	10.5	233.9	7	Ci.	Cu.	7	Ci.-S.	Cu.
18..	N	Calm	WNW	WNW	N	Calm	13.2	67.9	73.5	41.5	196.1	7	Ci.	Cu. WNW	10	Ci.-S.	Fr.-N.
19..	NW	W	SSW	W	Calm	NNE	62.6	82.1	57.6	18.3	220.6	8	Ci.-Cu.	N.	4	Ci.	Cu.
20..	N	N	SE	S	NNE	Calm	21.2	64.9	61.7	22.2	170	8	Ci.-S.	Fr.-N.	8	Ci.-S.	N.
21..	N	NNE	ENE	SSE	NE	NE	23	60.4	45.4	18.3	147.1	7	Ci.	Cu.	5	Ci.-S.	Cu.
22..	N	NNE	SSW	WNW	NW	N	22.8	42.1	138.4	43.1	246.4	3	Ci.	Cu.	7	Ci.	Cu.-N.
23..	N	NNE	W	WNW	WNW	W	19.6	78.9	133.6	49.7	281.8	7	Ci.-Cu.	Cu. NW	9	Ci.-S.	Fr.-N.
24..	N	NNE	S	W	NW	Calm	21.9	43.7	99.2	69.7	234.5	8	A.-Cu.	N.	8	Ci.-S.	Fr.-N.
25..	NNE	NE	NE	SE	SSW	Calm	59.7	38.4	74.8	10.7	183.6	10	....	N.	10	Ci.-S.	Fr.-N.
26..	Calm	Calm	SSE	Calm	Calm	N	11.5	30.4	24.9	20.3	87.1	9	Ci.-S.	Fr.-N.	9	Ci.-S.	Fr.-N.
27..	Calm	Calm	SW	SSW	N	NNE	17.4	36.8	79.4	17.5	151.1	8	Ci.-S.	Fr.-N.	9	Ci.-S.	N.
28..	NNE	Calm	SSE	ESE	Calm	N	20.3	40.4	85.5	19	165.2	3	Ci.	Cu.	4	Ci.	Cu.
29..	NNE	NNE	SSE	SW	Calm	Calm	27.4	37.6	43.3	11.8	120.1	7	A.-Cu.	Cu.	4	Ci.	Cu.
30..	Calm	NNE	W	SE	S	NNE	22.8	30.3	67.8	17.7	138.6	8	Ci.-S.	Fr.-N.	8	Ci.-S.	Cu.
Mean	......	......	......	......	......	......	23.2	53.3	78.1	23.4	177.9	7.3	....	....	7.5	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	5,338.4	....	....	....	....	....	....

ZAMBOANGA

[ϕ=6° 54′ N; λ=122° 05′ E; barometer above sea, 6.5 meters; gravity correction not applied, −1.91 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.17	58.44	59.38	57.03	57.85	59.16	58.34	24.2	23.7	28.2	28.8	27.5	24.7	26.2	31.7	23.3	86	88	78	79	84	93	84.7	......
2..	58.07	58.02	58.80	56.88	57.47	58.52	57.96	24.3	23.3	27.8	28.9	26.1	25.7	26	29.2	22.5	92	91	84	77	85	86	85.8	......
3..	56.78	57.17	57.95	55.73	56.22	57.39	56.87	24.3	23.4	30.8	30.2	24.2	24.4	26.2	32.5	22.9	85	89	59	65	94	91	80.5	14.3
4..	56.21	56.29	57.44	55.82	56.05	57.75	56.59	23.7	23.7	25	26.4	26.6	25.5	25.2	26.9	23	92	92	92	86	84	91	89.5	20.3
5..	57.69	57.91	58.71	56.32	57.51	58.72	57.81	23.4	24.1	26.9	29.4	28	24.5	26	30.1	22.3	92	96	81	72	77	90	84.7	4.3
6..	58.03	59.24	59.29	57.48	57.99	59.13	58.53	23.4	23	27.2	28.8	27.1	25	25.8	29.5	22.7	96	97	78	70	83	90	85.7	.3
7..	58.62	58.69	59.88	58.15	58.06	60.15	58.92	24	23.2	27.7	28	27.6	26	26.1	29.8	22.9	89	88	84	80	79	88	84.7	......
8..	58.51	58.49	59.30	56.93	57.60	58.91	58.29	25	24.5	27.4	28.4	25.7	24.8	26	29	23.9	88	89	85	77	86	92	86.2	2.8
9..	57.89	57.89	58.88	57.15	57.02	58.70	57.92	23.6	23.5	27	26.9	26.7	25.3	25.5	27.7	22.8	90	90	82	85	86	85	86.3	2.8
10..	57.87	58.20	59.18	57.18	57.79	58.60	58.14	23.5	23.4	26.5	29.4	25.8	25	25.6	30.3	22.8	94	94	91	70	84	88	86.8	2.4
11..	58.63	58.41	59.26	57.25	57.98	59.46	58.50	24.8	23.7	26.8	31.5	28.4	24.3	26.6	32.5	22.9	89	92	80	57	77	83	79.7	......
12..	58.13	58.27	59.68	57.63	58.50	59.57	58.63	23.7	23	27.5	26	26	24.5	25.1	28.7	22.7	87	92	84	79	85	92	86.5	.3
13..	58.39	58.27	58.97	56.78	57.17	58.01	57.93	23.3	23.2	27.8	27.6	25.5	24.3	25.3	29.2	22.5	89	89	75	78	91	89	85.2	1.3
14..	57.34	57.22	57.80	55.75	56.25	57.60	56.99	23.5	23	30.8	30.7	27.3	25	26.7	31.1	22.5	87	89	64	62	82	89	78.8	.5
15..	57.29	57.37	58.78	56.66	57.64	58.94	57.78	24.2	23.4	27.2	27	27.4	24.3	25.6	30.6	22.8	93	97	74	80	79	89	85.3	......
16..	58.14	57.97	59.28	57.30	58.20	59.63	58.42	23.7	23.4	27.5	27.8	27.3	24.5	25.7	30	22.7	88	88	79	82	78	92	84.5	......
17..	58.67	58.99	59.80	57.83	58.75	60.03	59.01	23.5	23.6	27.8	29.2	27.5	25	26.1	29.5	22.7	87	84	75	69	77	88	80	......
18..	58.79	59.37	60.09	58.33	58.95	59.89	59.24	24	23.5	27.9	28.3	27.6	25.3	26.1	30	23.1	87	87	82	77	81	85	83.2	......
19..	59.29	59.47	60.78	58.68	59.15	60.98	59.72	24.1	23.8	27.7	28.5	27.7	25.5	26.2	31	23.3	86	86	77	81	81	84	82.5	......
20..	60.02	60.09	60.69	59.27	59.78	60.18	60	24	24	30	28	27.2	25.1	26.4	32	23.2	87	87	62	77	83	92	81.3	1.3
21..	60.01	60.16	61.13	58.69	59.29	60.33	59.94	23.6	24	28.7	28.7	27.8	25.8	26.4	32.3	23	88	87	73	76	79	81	80.7	.5
22..	60	59.46	60.37	58.29	59.10	60.20	59.57	25.4	23.7	30.4	32	28.3	25.2	27.5	32.9	23	87	94	65	58	77	78	76.5	......
23..	58.87	59.35	60.43	58.46	58.90	59.96	59.33	23.7	24.7	31.7	31.5	27.7	24.7	27.3	33	23.4	87	88	59	54	79	78	74.2	......
24..	58.91	58.82	59.78	57.55	57.62	58.91	58.60	24.3	24.2	31.4	28.3	27.7	25.3	26.9	31.9	23.5	85	86	62	74	85	87	79.8	.3
25..	58.10	58.21	59.49	57.30	58.21	59.50	58.47	24.6	24.1	29.8	28.5	27.6	25	26.6	31.2	23.5	92	86	70	78	77	89	82	......
26..	58.77	58.89	60.30	57.70	58.54	59.50	58.95	24.4	24	26	28.7	27.8	25.2	26	31	23.5	89	89	87	75	81	92	85.5	5.8
27..	58.88	59.14	59.89	57.99	58.50	59.69	59.02	24.5	23.7	27.2	28.3	27.7	25.3	26.1	28.6	23	92	93	87	81	87	89	88.2	......
28..	59.01	58.91	59.83	57.80	58.30	59.74	58.93	24.5	24.3	31	29.8	28.2	25.8	27.3	33.2	23.5	86	85	62	69	80	88	78.3	......
29..	58.76	58.89	59.68	57.24	57.70	58.91	58.53	24.9	24.8	30.8	28.4	27.6	25.5	27	31.6	24	87	86	64	78	84	88	81.2	......
30..	58.18	58.59	59.91	57.64	58.75	59.14	58.70	24.1	23.4	31	28.2	27.7	25.7	26.7	33	22.8	86	86	59	76	79	86	78.7	.3
31..	58.63	58.98	59.62	57.57	58.47	59.26	58.76	24.1	23.7	31.2	29.4	27.7	25.1	26.9	33	23.2	86	87	60	69	80	87	78.2	......
Mean	58.41	58.55	59.50	57.43	58.04	59.24	58.53	24.1	23.7	28.5	28.8	27.2	25.1	26.2	30.7	23	88.7	89.4	74.6	73.9	82.1	87.7	82.7	......
Total	.....	.....	.....	.....	.....	.....	......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NNE	NNE	SE	SE	Calm	Calm	23.8	67.8	95.8	9.4	196.8	8	Ci.	Cu.	7	Ci.	Cu.-N. E
2..	Calm	Calm	SW	W	NE	Calm	10.2	34.3	63.9	11.6	120	6	Ci.	Cu.	7	Ci.-S.	Cu.
3..	NNW	NNE	E	S	Calm	NNE	27.4	63.8	45.1	20.7	157	6	Ci.	N.	9	Ci.-S.	N.
4..	Calm	NW	WNW	W	W	Calm	8.9	78.6	132.6	30.6	250.7	10	Ci.-S.	N.	10	Ci.-S.	Fr.-N. W
5..	W	SW	NW	W	WSW	Calm	43.8	50.2	69.4	52.8	216.2	10	....	N.	5	Ci.-S.	Cu.
6..	NNW	NW	W	SSE	ENE	Calm	26.9	76.1	58.1	14.5	175.6	10	....	N.	9	A.-Cu.	Fr.-N.
7..	N	NE	SSE	S	NW	Calm	20.6	52.3	57.3	17.1	147.3	3	Ci.	Cu.	7	Ci.-S.	Cu.
8..	N	NNE	S	WNW	NW	E	21.4	51.8	102.5	17.4	193.1	9	Ci.-S.	Fr.-N.	6	Ci.-S.	Cu.-N. W
9..	NNW	Calm	SE	SW	WNW	Calm	21.1	17.4	58.7	23	120.2	10	Ci.-S.	Fr.-N.	9	Ci.-S.	Fr.-N.
10..	Calm	Calm	E	E	NNE	Calm	10.2	32.8	55.3	10.5	108.8	10	Ci.-S.	Fr.-N.	9	Ci.-S.	Fr.-N. E
11..	Calm	Calm	NE	ESE	Calm	NNE	17.7	44	44.9	24.9	131.5	5	Ci.	Cu.	5	Ci.	Cu. E
12..	NNE	NNE	SW	SSW	NNW	NE	25.2	26	67.1	19.3	137.6	3	Ci.	Cu.	8	Ci.-S.	Fr.-N. SW
13..	NNE	NNE	SSE	WSW	NE	N	27.1	25.5	27.9	18.2	98.7	9	Ci.-S.	Fr.-N.	9	Ci.-S.	N.
14..	NNE	NNE	E	SE	SSE	NNE	21.2	64.4	100.1	25.7	211.4	4	A.-Cu.	N.	6	Ci.	Cu. E
15..	N	NE	SE	SE	SE	NE	24.1	50.2	88.2	18	180.5	9	Ci.-S.	N.	6	Ci.	Cu.
16..	NE	NE	SE	SE	WNW	Calm	23.5	63.1	97.6	14.8	199	5	Ci.	Cu.	8	Ci.-S.	Cu.-N. NE
17..	NNE	NNE	SSW	W	NW	NNE	31.1	28.8	57.6	18.5	136	5	Ci.	Cu.	7	Ci.	Cu.
18..	NNE	NNE	SSE	SE	WNW	Calm	31.4	62	88.3	24.3	206	5	Ci.	Cu.	7	Ci.	Cu.
19..	NNE	NNE	W	W	Calm	ENE	25.5	41.5	75	28.5	170.5	8	Ci.-S.	N.	7	Ci.	Cu.-N. ENE
20..	Calm	Calm	E	SE	Calm	Calm	10.2	36.8	81.9	6.9	135.8	9	Ci.-S.	Fr.-N.	7	Ci.-S.	Cu.
21..	ENE	E	E	W	W	Calm	22	30	73	12.7	137.7	8	Ci.-S.	Fr.-N.	8	Ci.-S.	Cu.
22..	E	Calm	E	E	Calm	NNE	55.3	50.7	54.9	14.5	175.4	7	A.-Cu.	Fr.-N.	5	Ci.-Cu.	Cu.
23..	Calm	Calm	E	ESE	NW	NNE	5.4	64.1	96	17.1	182.6	8	Ci.-S.	Fr.-N. SE	3	Ci.	Cu.
24..	Calm	NE	SE	WSW	SW	NE	16.9	42.6	49.1	23.3	131.9	8	Ci.-S.	Fr.-N.	7	Ci.	Cu.
25..	N	NE	E	SE	Calm	NNE	26.6	46.9	87.1	15.8	176.4	9	Ci.-S.	N.	8	Ci.-S.	Cu.-N.
26..	Calm	NNE	SE	SE	Calm	NW	11.6	36.4	85.9	14.5	148.4	4	Ci.	Cu.	5	Ci.	Cu.
27..	Calm	NNE	SW	W	W	NNE	13.5	36.8	126	31.9	208.2	8	Ci.-S.	Fr.-N.	3	....	Cu.
28..	NNE	NE	E	ESE	WNW	Calm	25.2	42.1	91.9	23.5	182.7	8	Ci.-S.	N.	4	Ci.	Cu. E
29..	Calm	NNE	ESE	WSW	WNW	NNE	20.6	53.3	78.9	17.5	170.3	9	Ci.-S.	N.	8	Ci.	Fr.-Cu. NE
30..	N	Calm	E	WSW	Calm	ENE	7.4	51	60.9	8	127.3	3	Ci.	Cu.	8	Ci.	Cu.-N. E
31..	Calm	Calm	E	SE	NW	NNE	4	56.6	67	15.1	142.7	4	Ci.	Cu.	4	Ci.	Cu. NE
Mean	......	......	......	......	......	......	21.3	47.7	75.4	19.4	163.8	7.1	....	....	6.8	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	5,076.3	....	....	....	....	....	....

YAP, WESTERN CAROLINES

[φ=9° 29′ N; λ=138° 08′ E; barometer above sea, 31.85 meters; gravity correction not applied, —1.87 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.[a]									Relative humidity.[a]							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.60	59.96	60.60	59.09	59.50	60.55	59.88	....	....	....	....	....	....	....	32.7	24.5	....	....	....	....	....	....	....	1.6
2..	59.70	60.04	60.64	58.64	59.62	60.40	59.84	....	25.4	29.6	29.7	26.6	26.2	27.5	32.1	24	....	92	74	72	82	90	82	......
3..	59.59	60.46	61.01	59.10	60.44	60.41	60.17	25.7	25.5	29	26.5	24.2	25.4	26	32.2	25	86	84	78	88	96	90	87	6.6
4..	59.36	60.41	61.39	59.51	60.03	59.94	60.11	25.6	25.8	27.5	30	25.3	26	26.7	31.8	23.7	91	89	88	71	89	80	84.7	4.3
5..	59.43	60.41	61.21	59.30	60.21	61.05	60.27	25.3	24.9	28.6	30	25.9	25.6	26.7	32	24.5	81	73	73	72	91	92	80.3	5.6
6..	60.17	61.12	61.80	60.16	61.08	61.53	60.98	24.5	24.5	29.5	28.3	25.6	25.7	26.4	31.2	23.6	96	96	70	78	90	84	85.7	2.6
7..	59.91	60.58	61.42	59.50	60.52	61.14	60.51	25.7	25.5	28.5	29.5	25.9	25.5	26.8	31.7	23.5	87	85	70	64	85	80	78.5	1.3
8..	59.93	60.75	60.93	58.42	59.14	59.91	59.85	25.3	24.1	28.6	28.5	25	24	25.9	30.9	23.6	81	91	78	70	88	92	83.3	4.1
9..	58.73	59.35	59.62	57.60	58.43	59.42	58.86	24.7	23.8	28.5	29.5	25.4	24.7	26.1	31.2	23.5	89	91	73	72	86	89	83.3	......
10..	59.07	59.19	59.37	57.74	58.80	59.44	58.94	23.7	23.4	30	30.5	25.4	24	26.2	31.9	23	94	90	68	59	85	91	81.2	......
11..	58.56	59.27	59.67	57.54	58.57	59.62	58.87	23.9	24	30.6	30.3	25.1	23.6	26.2	32.8	23.4	92	93	68	67	89	95	84	......
12..	58.63	58.97	59.82	57.89	58.18	59.71	58.87	23.8	23.7	30.5	30.5	25.2	24	26.3	32.8	23.3	94	94	65	63	86	91	82.2	......
13..	59.17	59.75	60.61	58.54	59.63	60.67	59.73	23.7	23.6	30.5	30.5	24.9	23.9	26.2	32.4	23	90	88	62	62	84	86	78.7	......
14..	59.95	60.37	61.59	60.19	60.33	61.36	60.63	23.5	23.5	30.1	29.8	25.4	24.7	26.2	32.7	23	87	85	63	64	78	82	76.5	......
15..	60.09	60.42	60.82	59.20	60.19	60.97	60.28	24.8	24.6	29.4	28.5	24.5	24.6	26.1	32.2	23.9	81	82	66	71	91	87	79.7	5.1
16..	59.80	60.58	61.16	59.26	60.05	60.66	60.25	23.6	24.1	28.8	29.5	26	25.1	26.2	31.2	23.3	91	87	69	68	76	91	80.3	10.2
17..	59.59	60.73	61.53	59.77	60.28	61.24	60.52	23.5	24.1	28.8	28.1	26.2	25.8	26.1	31.9	22.7	96	94	73	81	82	78	84	......
18..	60.38	60.78	61.31	59.26	60.17	60.81	60.45	25.4	25.5	29.4	29	26.2	25.5	26.8	31.7	24.8	81	80	68	69	83	85	77.7	1.3
19..	59.81	60.49	61.12	59.32	60.42	61.29	60.41	25.4	24.4	29.7	27.1	26.1	25.6	26.4	32.5	23.6	88	95	72	85	85	84	84.8	.5
20..	60.54	61.09	61.15	59.14	60.41	61.24	60.60	24.6	24.9	29.1	29.6	25.9	25.5	26.6	32.7	24.3	84	81	70	66	79	79	76.5	......
21..	60.01	60.93	61.43	59.11	59.96	60.98	60.40	25.4	25.5	29.6	29.5	24.5	25.7	26.7	31.5	24.7	80	80	70	68	91	82	78.5	3.6
22..	60.11	60.42	60.85	59.14	60.03	61.09	60.27	25.3	24.8	29.8	29.8	25.6	25.3	26.8	32.3	23	81	81	66	66	82	84	76.7	.5
23..	60.11	60.58	61.01	59.06	59.93	60.63	60.22	25.2	23.8	30.5	29.6	25.7	25.1	26.6	31.8	23.3	82	92	68	67	81	87	79.5	......
24..	59.76	60.56	61.01	58.89	60.03	60.46	60.12	25.1	25	30	29.3	24.1	24.5	26.3	31.5	24.4	85	82	65	69	95	95	81.8	1.8
25..	59.19	59.63	60.25	58.04	58.83	59.64	59.26	24.4	24.8	30	30	26.5	25.8	26.9	32.5	23.4	88	89	65	65	76	84	77.8	2.8
26..	58.63	59.15	60.14	57.91	59.18	59.87	59.15	25.8	24.5	29.7	28.4	26.3	24.6	26.6	31.7	23.2	84	87	67	69	77	89	78.8	.8
27..	58.66	59.51	60.21	58.14	59.18	60.36	59.34	25	25	30.8	30.6	25	25.1	26.9	32.7	24	82	76	56	57	83	76	71.7	......
28..	59.39	59.82	60.42	58.47	59.35	60.26	59.62	24.6	25.2	29.6	30	25.9	24	26.6	32.4	24	79	78	63	65	84	97	77.7	6.1
29..	59.26	59.98	60.77	59.01	60.13	60.86	60	24.5	24.1	30.4	29.5	25.9	25	26.6	31.8	23.5	92	91	69	71	81	80	80.7	.5
30..	60.02	60.22	60.94	59.04	60.03	61.23	60.25	24.3	25.2	30.4	28.8	25.8	24	26.4	33.1	23	89	87	63	69	81	83	78.7	1.5
31..	60.20	60.67	61.60	59.61	60.19	60.89	60.53	24.2	24.5	29	30.7	25.3	24.2	26.3	32.9	24.2	90	92	71	62	85	94	82.5	3.3
Mean	59.59	60.20	60.82	58.89	59.77	60.57	59.97	24.7	24.6	29.6	29.4	25.5	25	26.5	32.1	23.7	86.9	86.8	69	69	84.7	86.6	80.5	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	63.6

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	......	....	Calm	....	......	....	ENE	3	......	....	......	....	....	9	Ci.-S.	Cu. NEbyE	6	Ci.	Cu. ENE
2..	......	....	ENE	2	E	2	EbyN	2	NEbyE	2	NEbyE	2	2	5	....	Cu.-N. ENE	8	....	Cu. ENE
3..	NEbyE	2	NE	3	ENE	2	ENE	1	NEbyN	2	NE	3	2.2	6	Ci.-Cu. E	Cu. ENE	10	....	S. E
4..	NE	3	NEbyE	3	NEbyE	2	NEbyE	3	NEbyE	3	NEbyE	3	2.8	10	Ci.-S.	Cu.-N. NE	8	A.-Cu.	Cu. NEbyE
5..	ENE	3	ENE	3	ENE	2	NEbyE	2	NE	2	Calm	....	2	5	....	Cu. ENE	7	....	Cu. NE
6..	NE	2	ENE	2	ENE	3	NE	3	ENE	3	NE	3	2.7	10	....	S. ENE	10	Ci.-S.	Cu.-N. NE
7..	ENE	3	ENE	3	EbyN	3	ENE	3	ENE	3	E	2	2.8	10	Ci.-S.	Cu.-N. ENE	8	A.-Cu. NW	....
8..	NE	2	Calm	....	NE	2	NE	2	Calm	....	Calm	....	1	8	Ci.	Cu. NE	6	Ci.	Cu. NE
9..	ENE	2	Calm	....	E	2	E	2	Calm	....	Calm	....	1	8	Ci.	Cu.-N. ENE	6	....	Cu. ENE
10..	Calm	....	Calm	....	ESE	1	E	2	Calm	....	Calm	....	.5	1	....	Cu.	5	....	Cu. NE
11..	Calm	....	Calm	....	ENE	2	Calm	....	Calm	....	Calm	....	.3	3	Ci.	Cu. NE	4	....	Cu. NE
12..	Calm	....	Calm	....	NE	2	ENE	2	Calm	....	Calm	....	.7	4	Ci.-S.	Cu. NE	5	....	Cu. N
13..	Calm	....	Calm	....	ENE	2	NNE	2	Calm	....	Calm	....	.7	2	....	Cu. NNW	4	Ci.	Cu. NEbyE
14..	Calm	....	Calm	....	ENE	2	NE	2	NNE	1	NE	2	1.2	5	Ci.	Cu. N	6	Ci.	Cu. NNE
15..	NEbyN	1	NNE	1	NE	2	NE	2	Calm	....	Calm	...	1	9	Ci.-S.	Cu. NEbyN	10	....	Cu.-N. NE
16..	Calm	....	NE	1	NE	2	NE	2	NNE	2	NE	3	1.7	9	Ci.-S. SE	Cu. NE	9	Ci.-S.	Cu. NE
17..	Calm	....	NE	3	NE	3	NE	3	NNE	2	NE	2	2.2	10	A.-Cu.	S. NE	9	Ci. ESE	Cu. NE
18..	NE	2	NE	2	NE	3	NE	3	NNE	2	ENE	2	2.3	4	Ci. ESE	Cu. NE	9	Ci.-S. E	Cu. NE
19..	NE	3	ENE	2	ENE	3	ENE	2	ENE	2	ENE	2	2.3	7	Ci.	Cu. NE	9	Ci.-S.	Cu.-N. NE
20..	NEbyE	2	NEbyE	2	ENE	3	NE	3	NE	2	NE	2	2.3	4	Ci.	Cu. NEbyE	4	....	Cu. NEbyE
21..	ENE	3	NNE	2	N	3	NE	3	NE	4	NE	2	2.8	10	....	S. NEbyN	7	....	Cu. NE
22..	ENE	3	ENE	2	ENE	3	NE	2	ENE	2	ENE	2	2.3	6	Ci. SE	Cu. NEbyE	7	Ci.	Cu. NE
23..	ENE	2	NE	1	EbyN	3	ENE	3	ENE	2	NE	2	2.2	8	Ci.-S. SSE	Fr.-Cu. NE	8	Ci.-S. SE	Cu. NE
24..	NE	2	NE	2	EbyN	2	NE	2	ENE	3	NE	1	2	8	Ci. ESE	Cu. NE	7	Ci. SE	Cu. NE
25..	ENE	2	NE	2	E	3	E	3	NE	3	NE	2	2.5	3	Ci.	Cu. NE	8	Ci.	Cu. ENE
26..	NE	2	NE	3	NE	2	NE	3	NE	2	ENE	2	2.3	8	Ci.-S.	Cu. NE	8	Ci.	Cu. NE
27..	ENE	2	ENE	2	E	2	NE	2	Calm	....	NE	2	1.7	6	Ci.-S.	Cu. ENE	1	Ci.	....
28..	NE	2	NE	2	NE	2	NE	3	NE	2	ENE	2	2.2	5	Ci.	Cu. NE	8	Ci.-S.	Cu. NE
29..	NE	3	ENE	3	NE	3	NE	3	NEbyN	2	NE	2	2.7	9	Ci.-S.	Cu.-N. ENE	6	....	Cu. NEbyE
30..	Calm	....	ENE	2	ENE	3	ENE	2	NE	2	NE	2	1.8	8	A.-Cu.	Cu.-N. ENE	7	....	Cu. NE
31..	Calm	....	NE	1	NE	2	NE	3	NE	1	NE	2	1.5	7	....	Cu.-N. NEbyE	7	A.-Cu. E	Cu. ENE
Mean	......	1.6	......	1.6	......	2.4	......	2.4	......	1.6	......	1.6	1.9	6.7	....	....	7	....	....

[a] 30 days of observation.

YAP, WESTERN CAROLINES

[ϕ=9° 29′ N; λ=138° 08′ E; barometer above sea, 31.85 meters; gravity correction not applied, —1.87 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+ 2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Air temperature. 2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	Relative humidity. 2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Rain, 24 hours beginning 6 a. m.
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	mm.
1..	59.92	60.53	61.76	59.81	60.72	61.27	60.67	24	24.6	28	29.6	26.1	25.9	26.4	31.6	23	97	87	79	70	88	81	83.7	3.6
2..	60.41	60.61	61.23	59.43	60.37	61.41	60.58	25.3	25.7	26	26.3	26	25.6	25.8	30.7	24.9	85	83	94	91	88	79	86.7	6.3
3..	60.46	61.47	61.94	60.10	61.12	61.67	61.13	25	25.3	28.7	29.7	26.6	26	26.9	31.8	24.5	88	84	73	63	75	83	77.7	....
4..	60.76	61.51	62.01	60.62	61.80	61.77	61.41	25.2	25.4	30.2	30	26.3	25.6	27.1	32.4	24.5	73	74	58	65	80	75	70.8	....
5..	61.26	62.26	61.98	60.49	62.06	62.81	61.81	25.3	25.1	30.7	28.8	25	24.5	26.6	32.3	24.8?	77	73	64	68	83	86	75.2	5.3
6..	62.36	63.16	63.72	61.37	62.39	62.62	62.60	22.4	24.5	27.8	27.2	24.9	24.4	25.2	30.9	22	96	92	75	80	88	97	88	10.7
7..	61.12	62.22	63.11	60.87	62.32	62.49	62.02	25	25.6	26.5	28.3	26.4	25.5	26.2	30.7	23	88	76	91	79	83	84	83.5	5.4
8..	60.76	61.55	61.84	60.20	61.34	61.69	61.23	24.9	25.1	28.6	29	25.7	25.3	26.4	31.2	23.5	92	87	85	67	75	84	81.7	.8
9..	60.39	61.44	62.13	59.86	61.47	61.96	61.21	25	25.2	31	29.6	25.2	25.6	26.9	32	24.4	88	87	69	71	86	91	82	2.6
10..	60.96	61.28	61.89	60	61.47	62.60	61.37	24.7	25	30.5	30	26.6	25.3	27	32.2	24.3	94	97	68	71	83	88	83.5	....
11..	61.26	61.82	62.34	60.36	61.67	62.87	61.72	25.1	25.5	30.5	30	26.1	25	27	32.2	24.5	91	86	64	60	78	83	77	....
12..	61.69	61.91	62.25	59.80	60.38	61.49	61.25	24.6	24.7	30.6	30.5	25.8	25.2	26.9	32.8	24.1	83	86	63	53	78	82	74.2	....
13..	60.51	60.93	61.45	59.46	60.18	61.09	60.60	24.2	24.1	30.4	28.2	25.5	25	26.2	32.9	23.2	86	94	65	80	88	96	84.8	4.3
14..	60.04	60.79	61.76	60.09	60.92	61.65	60.88	25	24.5	29.5	28.4	26.2	25.7	26.6	31.4	23.6	96	96	75	78	86	89	86.7	1.6
15..	60.57	61.19	61.53	59.90	61.22	61.61	61	25.7	25.6	30	29.6	26.1	25.4	27.1	32.2	25.1	88	88	69	68	83	90	81	1.8
16..	60.61	60.71	60.75	58.95	59.82	60.14	60.16	24.5	24	29.6	30	25.4	24.6	26.4	32.4	23.5	93	97	77	71	92	95	87.5	5.9
17..	59.22	59.87	59.99	58.35	59.06	59.91	59.40	24.6	24	28.6	29.1	26.4	24.6	26.2	31.2	23.5	95	97	76	74	85	92	86.5	....
18..	59.19	59.70	59.76	58.25	59.40	60.23	59.42	24.6	24	29.7	30.5	26.1	25	26.6	32.4	23	92	95	70	65	87	92	83.5	....
19..	59.29	59.97	60.09	58.51	59.60	60.72	59.70	24.6	24.5	28.1	28.6	26.4	25.4	26.3	32.2	24	95	96	81	71	81	84	84.7	.3
20..	59.58	60.05	60.80	58.65	59.08	59.83	59.66	24.6	24.4	29.6	29.6	25.6	25	26.5	32.3	23.8	87	95	67	67	84	83	80.5	....
21..	58.76	59.38	59.69	57.71	58.95	59.39	58.98	25	24.5	30.3	31	25	24.5	26.7	33	24	83	84	70	68	94	96	82.5	6.7
22..	58.02	58.66	59	57.69	58.12	58.78	58.38	25	25	30.5	29.6	26	25.4	26.9	32.2	23.5	88	90	69	72	85	89	82.2	....
23..	57.61	58.32	58.71	57.55	58.27	59.18	58.27	24.6	24.3	30	28.6	25.9	25	26.4	32	23.6	87	82	65	73	85	88	80	....
24..	58.09	58.44	58.85	56.89	57.90	58.78	58.16	24	24	29.7	30.4	26.5	25.4	26.7	32.8	23.5	93	91	69	68	84	89	82.3	....
25..	57.39	58.07	58.69	57.11	57.92	58.88	58.01	24.7	24.6	32.1	29.2	25.7	25.1	26.9	33.4	24.2	94	95	57	70	90	92	83	.6
26..	57.96	58.79	59.66	58.14	59.22	60.09	58.98	24.7	25.5	30.8	29.5	24.7	25.4	26.8	32.7	24.1	90	91	70	68	94	85	83	1.8
27..	59.11	59.87	60.40	58.91	59.12	60.11	59.59	25.6	25.7	31	31	26.5	26	27.6	32.8	24.2	77	72	59	55	73	78	69	....
28..	59.23	59.83	60.40	58.34	58.80	59.73	59.39	25.6	25.5	30	30.5	26.5	26.1	27.4	32.9	25	79	81	65	60	77	76	73	.5
Mean	59.88	60.51	60.99	59.19	60.17	60.88	60.27	24.8	24.9	29.6	29.4	25.9	25.3	26.6	32.1	23.9	88.4	87.7	71	69.5	84	86.7	81.2	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	58.2

Day.	Wind. 2 a. m. Direction.	Force.	6 a. m. Direction.	Force.	10 a. m. Direction.	Force.	2 p. m. Direction.	Force.	6 p. m. Direction.	Force.	10 p. m. Direction.	Force.	Mean force.	Clouds. 6 a. m. Amount.	Form and direction. Upper.	Lower.	2 p. m. Amount.	Form and direction. Upper.	Lower.
		0–12		0–12		0–12		0–12		0–12		0–12	0–12	0–10			0–10		
1..	NE	1	Calm	....	E	4	ENE	2	ENE	2	E	2	1.8	8	Ci.-Cu.	Cu.-N. ESE	6	Ci.-S.	Cu. ENE
2..	ENE	2	NE	2	ENE	3	ENE	4	ENE	3	NE	3	2.8	9	....	S. ENE	10	A.-S.	N. ENE
3..	ENE	2	E	2	NE	2	NEbyE	2	ENE	3	ENE	3	2.3	7	....	Cu.-N. E	2	....	Fr.-Cu. ENE
4..	E	4	ENE	4	E	3	NEbyE	3	NEbyE	2	NEbyE	3	3.2	7	....	Cu. NE	7	....	Cu. ENE
5..	NEbyE	2	NE	3	E	3	NE	3	NNE	2	NNE	2	2.5	5	....	S.-Cu. ENE	8	....	Cu. NE
6..	NNE	2	NNE	2	NE	5	NE	3	NE	2	NE	3	2.8	9	Ci.-S.	Cu.-N. NE	10	Ci.-S.	Cu.-N. NE
7..	ENE	4	ENE	3	ENE	3	NE	2	NE	3	NE	3	3	7	A.-Cu.	Cu. NE	8	....	Cu.-N. ENE
8..	NE	3	ENE	3	E	3	ENE	3	ENE	2	ENE	2	2.7	7	Ci.	Cu.-N. ENE	7	....	Cu.-N. ENE
9..	ENE	2	ENE	2	ENE	2	ENE	2	ENE	2	ENE	2	2	7	....	Cu. ENE	7	Ci.	Cu. ENE
10..	ENE	2	ENE	2	ENE	3	E	2	ENE	2	ENE	2	2.2	8	....	Cu.-N. ENE	7	....	Cu. ENE
11..	ENE	2	E	2	ENE	3	ENE	3	ENE	2	ENE	1	2.2	5	....	Cu. E	3	Ci.	Cu. ENE
12..	ENE	1	Calm	....	ENE	3	ENE	3	NE	2	NE	2	1.8	4	....	Cu. ENE	0	....	....
13..	ENE	1	NE	1	ENE	3	ENE	2	ESE	2	E	2	1.8	8	Ci. SSW	Cu. ENE	10	....	Cu.-N. ENE
14..	ENE	2	Calm	....	ENE	3	ENE	2	ENE	2	NEbyE	2	1.8	10	A.-Cu.	Cu.-N. E	10	....	Cu.-N. ENE
15..	NEbyE	2	NEbyE	2	ENE	3	ENE	3	ENE	1	ENE	1	2	9	A.-Cu.	Cu. ENE	6	Ci.	Cu. ENE
16..	Calm	....	Calm	....	ENE	2	E	2	Calm	....	Calm	....	.7	10	....	S. E	9	....	Cu. ENE
17..	Calm	....	Calm	....	Calm	....	ESE	1	Calm	....	Calm	....	.2	3	Ci.	Cu. ENE	5	....	Cu. ENE
18..	Calm	....	Calm	....	Calm	....	ESE	1	Calm	....	Calm	....	.2	9	....	Cu.-N. E	7	....	Cu. E
19..	Calm	....	Calm	....	ENE	2	ENE	2	E	2	Calm	....	1	7	Ci.	Cu.-N. ENE	7	A.-Cu.	Cu.-N. E
20..	Calm	....	ENE	2	NE	2	ENE	2	NE	2	NE	1	1.5	2	Ci.-S.	Cu. ENE	7	Ci.-S.	Cu. ENE
21..	ENE	2	E	2	ENE	2	ENE	2	Calm	....	ENE	3	1.8	5	Ci.	Cu. ENE	7	....	Cu. ENE
22..	ENE	2	ENE	2	ENE	2	ENE	2	E	2	ENE	2	2	10	Ci.-S.	Cu.-N. ENE	7	....	Cu. ENE
23..	ENE	2	ENE	2	NE	2	ENE	2	Calm	....	ENE	2	1.7	7	Ci.	Cu. ENE	8	....	Cu.-N. ENE
24..	Calm	....	Calm	....	E	2	ENE	2	ENE	2	Calm	....	1	6	Ci. SE	Cu. ENE	8	Ci.	Cu. ENE
25..	ENE	1	Calm	....	E	2	ENE	2	NE	2	E	2	1.5	10	Ci.-S.	Cu.-N. ENE	9	Ci.-S.	Cu.-N. ENE
26..	ENE	2	ENE	2	E	2	ENE	3	ENE	2	ENE	3	2.3	10	....	S. ENE	10	Ci.-S.	Cu.-N. ENE
27..	ENE	2	ENE	3	ENE	3	ENE	4	ENE	3	ENE	2	2.8	7	Ci.	Cu. NE	2	Ci.	Cu. ENE
28..	ENE	4	ENE	3	E	3	ENE	2	ENE	2	ENE	2	2.7	8	Ci.	Cu. ENE	8	Ci.-S.	Fr.-Cu. ENE
Mean	......	1.7	......	1.6	......	2.5	......	2.3	......	1.8	......	1.8	1.9	7.3	....	....	7	....	....

YAP, WESTERN CAROLINES

[ϕ=9° 29′ N; λ=138° 08′ E; barometer above sea, 31.85 meters; gravity correction not applied, —1.87 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.63	58.46	59.27	57.99	58.44	59.77	58.76	25	24.2	29.7	29	25.1	24.6	26.3	33.2	23.1	89	95	77	75	97	98	88.5	8.3
2..	58.61	58.69	59.57	58.15	58.86	60.18	59.01	24.5	24.7	29.1	29.7	25.6	25.3	26.5	32.2	23	96	94	74	75	94	90	87.2	1.4
3..	59.51	59.81	60.63	58.84	59.19	60.96	59.82	24.7	24.5	27.1	28	24.8	24.4	25.6	30.7	23	91	95	87	81	97	95	91	7
4..	59.71	60.37	60.92	58.92	59.59	60.82	60.06	24.7	24.7	27	25.5	24.3	24.7	25.2	30.2	24	95	94	83	86	97	90	90.8	10.7
5..	59.63	59.08	61.07	59.25	59.62	60.66	59.88	24.5	24.5	29.4	30.6	26.2	25	26.7	31.8	23.7	92	92	68	62	71	76	76.8	.3
6..	59.60	60.22	60.35	58.65	59.18	60.27	59.71	24.8	24.5	30.4	30.4	25.5	23.4	26.5	32.8	23.5	83	86	63	63	72	85	75.3	....
7..	59.25	59.45	59.61	58.21	58.97	60.04	59.26	22.6	22.6	31	29.1	25.9	24.6	26	32.3	22.1	91	91	62	67	75	87	78.8	....
8..	58.94	59.87	60.46	58.79	59.48	60.57	59.68	24.6	25	29	30	26	24.5	26.5	32.5	23.5	87	82	74	62	76	80	76.8	....
9..	59.83	60.34	61.12	59.34	59.97	60.78	60.23	23.6	23.8	31.5	31.1	25.9	24.4	26.7	33.2	22.1	77	84	60	59	82	93	75.8	1.3
10..	59.37	59.84	60.44	58.19	58.78	59.98	59.43	24	23.2	28.7	29.5	25.6	25.4	26.1	32.3	22.7	88	97	78	69	87	85	84	2.6
11..	59.23	59.80	60.55	58.85	59.43	60.82	59.78	25.3	25	30.7	31.1	26.1	25.6	27.3	32.2	23.6	85	83	58	56	78	79	73.2	....
12..	59.86	60.03	60.90	58.87	59.25	60.34	59.88	25.5	25	30.5	29.6	26.1	25	27	33.5	24.5	80	83	62	64	83	87	76.5	....
13..	59.39	60.09	60.63	58.98	59.40	60.93	59.90	25	25.1	29.6	31.5	26.1	24.5	27	32.7	24	87	88	70	62	83	94	80.7	....
14..	59.61	60.10	61.06	59.13	59.76	61.41	60.18	24	24	30.5	30	26.5	24.6	26.6	32.7	23.3	91	91	62	65	82	92	80.5	.8
15..	60.04	60.42	61.26	59.11	59.95	60.97	60.29	25	24.6	30	31.1	26.8	25.4	27.2	33.2	24	92	92	67	65	86	92	82.3	....
16..	59.67	59.97	60.59	58.96	60.05	60.94	60.03	24.9	24	29.5	29.5	27.1	24.7	26.6	31.6	23.5	92	94	72	72	80	94	84	1.5
17..	59.49	60.02	61.11	59.83	60.52	62.06	60.50	25	25	29.5	31.1	26.8	25.7	27.2	32.7	24	92	93	68	65	82	88	81.3	....
18..	61.28	61.37	61.78	60.46	61.24	62.41	61.42	25.2	25.8	32.1	30	26.7	26	27.6	33.8	24.6	90	85	61	65	80	89	78.3	....
19..	61.56	61.77	62.29	60.38	60.92	61.64	61.43	25.4	25.5	31.3	31.6	26	25	27.5	33.7	24.4	92	88	61	60	77	92	78.3	1
20..	60.99	61.47	62.21	60.31	60.61	61.17	61.13	24.6	24.4	26	28	24.2	25.3	25.4	30.8	23.7	90	92	93	74	96	85	88.3	16.3
21..	60.12	60.35	61.02	59.16	59.83	60.78	60.21	24.8	25.5	29	29.5	26.3	26	26.8	32.2	23	89	84	71	70	79	83	79.3	.8
22..	59.82	60.52	60.99	59.34	60.21	60.48	60.23	24.7	25.4	31	30.6	24.8	25.6	27	33.5	23.7	92	88	65	64	95	93	82.8	....
23..	59.53	60.21	60.49	58.58	59.51	60.31	59.77	25.9	26	31	30.6	26.6	26	27.7	33.2	24	89	88	69	69	86	92	82.2	....
24..	59.03	59.35	59.94	58.18	58.91	60.23	59.27	26	26.1	31.5	30.4	27	25.8	27.8	32.7	25.2	85	87	66	65	83	87	78.8	....
25..	58.83	59.16	60.09	57.96	58.91	60.02	59.16	25	25.1	30.5	31.5	27.1	26.6	27.6	33.5	24.6	92	88	66	63	85	89	80.5	2.8
26..	58.56	59.31	59.78	58.06	58.23	58.73	58.78	25.2	25.8	26.5	28.3	26.7	26.7	26.5	31	24.6	98	95	96	82	86	83	90	7.1
27..	58.08	58.69	59.19	57.67	58.46	59.28	58.56	26.5	26	29.6	29.6	26.2	26.1	27.3	31.8	25.3	82	84	70	71	88	91	81	....
28..	58.73	58.84	60.05	58.28	58.91	60.17	59.16	25.5	25.6	30.5	30.5	26.8	25.9	27.5	32.8	25	92	95	72	65	82	86	82	....
29..	58.67	59.36	59.82	58.19	58.58	59.66	59.05	25	25.1	31	29	26.3	25.5	27	32.8	24.2	89	88	65	71	79	83	79.2	....
30..	58.68	58.79	59.17	57.59	57.89	59.23	58.56	24.4	24.1	30.5	30.5	26.3	25.8	26.9	32.8	23.5	82	86	59	59	76	82	74	....
31..	58.69	58.69	59.54	57.71	58.22	59.75	58.80	24.6	24.4	31.1	30	26.8	26.4	27.2	32.9	23	82	80	58	65	80	81	74.3	....
Mean	59.45	59.82	60.51	58.77	59.38	60.50	59.74	24.9	24.8	29.8	29.9	26.1	25.3	26.8	32.5	23.8	88.8	89.1	69.6	67.5	83.7	87.8	81	....
Total	.....	.....	.....	.....	.....	.....	......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	61.9

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	ENE	2	ENE	2	ENE	3	ENE	3	ENE	2	ENE	2	2.3	10	Ci.-S.	Cu.-N. ENE	10	A.-Cu.	Cu.-N. ENE
2..	ENE	2	ENE	2	ENE	2	ENE	2	E	2	ENE	2	2	10	Ci.-S.	Cu.-N. ENE	8	Ci.	Cu. E
3..	ENE	1	NE	2	ENE	2	ENE	2	ENE	1	ENE	4	2	10	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	N. ENE
4..	ENE	2	ENE	2	ENE	2	NE	2	Calm	...	NE	2	1.7	10	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	N.
5..	NNE	2	NE	3	ENE	2	NE	2	NE	2	NE	1	2	10	Ci.-S.	Cu.-N. ENE	8	Ci.-S.	Cu. NE
6..	Calm	....	Calm	....	ENE	2	ENE	2	Calm	....	Calm	....	.7	5	Ci.	Cu. NE	7	Ci.-S.	Cu. NNE
7..	Calm	....	Calm	....	NE	2	NE	2	NE	1	Calm	....	.8	2	Ci.	Cu.	9	Ci.-S.	Cu.-N. ENE
8..	NE	2	ENE	2	ENE	2	NE	2	NE	2	Calm	....	1.7	10	Ci.-S.	Cu.-N. ENE	9	Ci.-S.	Cu. NE
9..	Calm	....	Calm	....	E	2	NE	2	NE	1	NE	1	1	6	Ci. ESE	Cu. NE	6	Ci.	Cu. NE
10..	Calm	....	NE	2	ENE	2	ENE	3	ENE	2	ENE	2	1.8	10	....	N. ENE	7	....	Cu. ENE
11..	ENE	2	ENE	2	E	2	E	2	ENE	2	ENE	2	2	9	....	Cu. ENE	10	Ci.-S.	Cu. NE
12..	NE	3	ENE	3	E	2	E	2	ENE	2	Calm	....	2	7	Ci.	Cu. ENE	7	....	Cu. E
13..	E	2	E	1	E	2	ESE	2	E	1	Calm	....	1.3	4	....	Cu.-N. E	7	Ci.	Cu. E
14..	Calm	....	Calm	....	E	2	E	2	ENE	2	Calm	....	1	4	Ci.	Cu. E	7	....	Cu. ENE
15..	E	1	Calm	....	ENE	2	E	2	E	2	Calm	....	1.2	4	Ci.	Cu. E	6	Ci.	Cu. ENE
16..	Calm	....	Calm	....	ENE	2	E	2	ENE	1	Calm	....	.8	9	A.-Cu. ESE	S.-Cu. ENE	10	A.-S.	Cu.-N. ENE
17..	NE	1	ENE	1	ENE	2	E	2	ENE	2	ENE	2	1.7	5	Ci.	Cu. ENE	8	Ci.	Cu. ENE
18..	ENE	2	ENE	2	ENE	2	ENE	3	ENE	2	ENE	2	2.2	6	Ci.	Cu. ENE	6	Ci.	Cu. ENE
19..	NE	1	ENE	2	ENE	2	NE	2	ENE	1	ENE	2	1.7	7	Ci.-Cu.	Cu. NE	8	Ci.	Cu. NE
20..	Calm	....	Calm	....	Calm	....	E	2	Calm	....	ENE	2	.7	6	....	S. NE	10	....	S. NE
21..	ENE	2	ENE	2	E	3	NE	3	ENE	2	E	2	2.3	9	A.-Cu.	Cu.-N. ENE	10	Ci.-S.	Cu.-N. ENE
22..	NE	2	ENE	2	ENE	3	E	2	ENE	2	NE	2	2.2	4	....	Cu. ENE	8	....	Cu. ENE
23..	ENE	2	ENE	2	E	2	ENE	2	ENE	2	ENE	2	2	9	Ci.-S.	Cu. ENE	8	Ci.	Cu. ENE
24..	ENE	2	ENE	2	ENE	2	ENE	3	ENE	2	ENE	1	2	10	Ci.-S.	Cu. ENE	8	Ci.-S.	S.-Cu. ENE
25..	ENE	1	Calm	....	ENE	2	ENE	2	NE	2	NE	1	1.3	2	Ci.	Cu. ENE	8	....	Cu. ENE
26..	Calm	....	NE	2	NE	2	NEbyE	2	ENE	3	E	3	2	10	Ci.-S.	N.-cf. NE	10	Ci.-S.	Cu. ENE
27..	E	2	NE	2	ENE	3	E	2	ENE	2	ENE	2	2.2	10	Ci.-S. W	S.	10	Ci.-S.	Cu. E
28..	ENE	2	ENE	2	ENE	2	E	2	E	2	ENE	2	2	4	Ci.	Cu. ENE	5	Ci.	Cu. ENE
29..	Calm	....	ENE	1	E	2	E	3	ENE	2	ENE	2	1.7	6	Ci. SW	Cu. ENE	10	Ci.-S.	Cu.-N. ENE
30..	ENE	2	ENE	2	E	2	ENE	2	ENE	2	ENE	2	2	5	Ci.	Cu. ENE	6	Ci.	Cu. ENE
31..	ENE	2	Calm	....	ENE	2	ENE	2	ENE	2	ENE	2	1.7	9	Ci.-S. SSE	Cu.	10	Ci.-S.	Cu-N. E
Mean	......	1.3	......	1.4	......	2.1	......	2.2	......	1.6	......	1.5	1.7	7.2	....	....	8.3	....	....

NOTE.—The mean barometer for March published in the "Monthly Bulletin" page 51, should be 759.74 mm. instead of 759.71 mm.

YAP, WESTERN CAROLINES

[φ=9° 29′ N; λ=138° 08′ E; barometer above sea, 31.85 meters; gravity correction not applied, —1.87 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.98	59.86	60.46	58.66	59.61	61.11	59.78	26	25.8	29.4	30	27	25.9	27.4	33.3	25	83	82	69	65	80	81	76.7	....
2..	59.67	60.18	60.61	58.54	59.42	60.73	59.86	25.5	25.1	29.4	30.5	26.5	25.5	27.1	33.1	24	88	88	68	63	82	88	79.5	....
3..	59.57	59.57	60.30	58.29	59.09	60.27	59.52	25	24.4	29	30.5	26.7	25.5	26.8	32.7	23.7	87	91	71	65	81	88	80.5	0.3
4..	59.07	59.29	60.24	58.61	59.71	60.52	59.57	25.5	25.4	31.1	32	26.8	26	27.8	33.7	25	88	80	54	51	78	84	72.5	....
5..	60.02	60.54	61.20	59.19	59.32	59.80	60.01	24.7	24.4	29.1	28.6	26.9	26.5	26.7	33.3	24	91	89	78	78	83	89	84.7	2.3
6..	58.68	58.93	59.53	57.63	58.66	59.77	58.87	25.6	25	27	27.8	25.4	26.5	26.2	30.7	24.2	95	97	86	84	95	93	91.7	27.2
7..	58.53	59.13	59.30	57.72	58.14	59.30	58.69	26	26	29.1	29.6	27	25	27.1	31.4	24	94	92	78	77	87	97	87.5	5.8
8..	57.59	58.47	59.19	57.29	58.42	59.52	58.41	26	25.6	30.4	29.5	25.9	26	27.2	32.2	24.3	89	90	70	75	98	92	85.7	10.4
9..	58.06	59.18	59.31	57.51	58.43	59.83	58.72	26	26.2	29.3	30	26.2	25.8	27.2	31.4	24.2	92	92	86	66	79	84	83.2	....
10..	58.83	59.38	60.16	58.15	58.81	59.98	59.22	25.1	26	31	30.6	26.5	26	27.5	32.2	24.2	89	86	71	65	85	84	80	....
11..	58.58	59.19	59.65	57.60	58.07	59.23	58.72	25.2	25.5	29.5	29.6	26.5	26.1	27.1	32.5	24.7	92	84	75	73	80	86	81.7	1.8
12..	58.16	58.83	59.39	57.19	57.59	58.87	58.34	26	26	31	31.2	26.5	26.1	27.8	33.1	25	85	84	65	64	85	85	78	....
13..	58.31	58.73	59.39	57.51	57.80	59.26	58.50	26	26	31.5	30.8	26.7	25.6	27.8	33.2	25	88	87	65	69	86	93	81.3	....
14..	58.17	58.86	59.60	57.59	58.64	59.78	58.77	26	25.7	28.6	31	26.4	26	27.3	32.7	25.1	91	91	75	65	85	81	81.3	....
15..	58.79	59.49	59.89	57.98	58.40	60.21	59.13	25	25.8	30.5	30.4	26.8	26	27.4	33.2	24.6	87	84	62	63	83	89	78	....
16..	58.98	59.66	60.30	58.59	58.45	58.91	59.15	25	24.6	31.2	30.7	26.7	25.5	27.3	32.7	24.2	96	95	75	78	86	89	86.5	1.5
17..	58.43	58.81	59.10	57.29	57.59	58.65	58.31	25.5	25.5	32	32.5	26.5	26.1	28	34.5	24.6	87	88	59	60	91	94	79.8	1.3
18..	58.02	58.88	59.30	57.98	58.85	59.94	58.83	25.6	25.9	31.7	31.5	26.8	26	27.9	34.4	25	95	93	68	63	86	92	82.8	....
19..	58.58	59.19	60.44	58.95	59.61	60.92	59.62	25.2	25.1	31	31	26.2	26	27.4	33.8	24.5	94	96	68	66	90	85	83.2	....
20..	59.44	60.41	60.61	58.84	59.10	60.72	59.85	25.4	25.8	30.7	32	27	26.6	27.9	33.4	25	88	85	69	64	84	87	79.5	.3
21..	59.78	60.41	60.24	58.31	58.99	60.22	59.66	25.7	25	31.5	30.7	27.3	26.1	27.7	33.2	24.2	92	88	65	67	80	87	79.8	4.6
22..	59.11	59.49	60.12	58.51	58.79	60.20	59.37	24	24.6	29.6	30	27.5	26.5	27	32.2	23.5	94	96	78	68	77	84	82.8	.3
23..	59.17	59.88	60.58	58.68	59.24	60.57	59.69	26	25.8	31.5	30.2	27	26.2	27.8	33.9	25	84	85	60	67	80	85	76.8	....
24..	59.23	59.70	60.14	59.11	59.85	60.82	59.81	25.6	26.5	30.5	26.6	25.1	24.9	26.5	33.2	24.9?	91	88	75	92	92	95	88.8	1.5
25..	59.65	60.08	60.54	58.91	58.89	60.53	59.77	26	26.5	30	30.6	27.5	25.2	27.6	33.7	23.6	88	88	75	68	82	96	82.8	4.4
26..	59.03	59.88	60.56	58.61	58.82	60.24	59.52	25.6	26.1	30.5	30.5	27.1	26.3	27.7	33	24	93	91	72	68	85	85	82.3	.3
27..	59.17	59.47	60.11	58.71	58.32	59.86	59.27	25.9	26.3	31	30.3	27.2	26.7	27.9	33.3	24.5	93	86	69	68	85	86	81.2	....
28..	57.93	58.58	59.34	57.28	57.81	59.20	58.36	26	26	32.1	30.6	27.5	25.8	28	34.5	25.2	89	89	60	67	79	86	78.3	....
29..	58.30	59.16	59.68	58.18	58.70	60.21	59.04	25.3	26	31.1	31	27.5	26.8	28	33.3	25	89	84	65	63	81	83	77.5	....
30..	59.40	59.83	59.96	58.29	58.67	60.20	59.39	26.6	25.5	31	29.4	27.2	26.4	27.7	33.7	24.7	84	88	65	72	81	86	79.3	....
Mean	58.84	59.44	59.97	58.19	58.73	59.98	59.19	25.6	25.6	30.4	30.3	26.7	26	27.4	33	24.5	89.9	88.6	69.9	68.5	84.2	87.8	81.5	....
Total	.....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	62

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction.		Amount.	Form and direction.	
															Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	ENE	2	ENE	2	ENE	2	ENE	3	ENE	2	ENE	2	2.2	10	Ci.-S.	Cu. E	9	Ci.-S.	Cu. ENE
2..	ENE	1	Calm	....	E	2	E	2	Calm	....	ENE	1	1	8	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu. E
3..	Calm	....	Calm	....	E	2	E	2	Calm	....	ENE	1	.8	8	Ci.	Cu. ENE	6	Ci.	Cu. ENE
4..	ENE	2	ENE	1	ENE	2	ENE	2	NE	2	NE	2	1.8	6	Ci.	Cu. ENE	9	Ci.-S.	Cu. ENE
5..	Calm	....	Calm	....	NE	2	NE	2	ENE	3	NE	2	1.5	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu.-N. ENE
6..	ENE	2	NE	1	E	3	E	3	E	2	E	2	2.2	10	Ci.-S.	N.-cf. ENE	10	Ci.-S.	N.-cf. E
7..	E	2	E	3	E	2	E	3	E	2	ENE	3	2.5	10	Ci.-S.	Cu.-N. ESE	9	Ci.-S.	Cu.-N. E
8..	ENE	2	E	2	E	2	E	3	ENE	1	ENE	3	2.2	5	Ci.	Cu. E	10	Ci.-S.	Cu.-N. E
9..	E	3	E	3	E	3	E	3	E	2	E	2	2.7	9	Ci.-S.	Cu. E	8	Ci.-S.	Cu. E
10..	Calm	....	E	2	E	3	E	2	E	2	ENE	2	1.8	8	Ci.-S. SEbyE	Cu. ENE	8	Ci.	Cu. E
11..	ENE	2	ENE	2	EbyN	2	ENE	2	ENE	2	ENE	2	2	5	....	Cu. E	9	A.-Cu.	Cu.-N. ENE
12..	ENE	2	NE	2	ENE	3	ENE	2	ENE	2	ENE	2	2.2	6	....	Cu. ENE	7	....	Cu. ENE
13..	ENE	2	ENE	1	ENE	2	E	2	ENE	1	Calm	....	1.3	1	....	Cu. ENE	6	....	Cu. E
14..	NE	1	NE	1	NE	3	NE	3	NE	2	NE	2	2	2	A.-Cu. E	Cu. ENE	6	....	Cu. NE
15..	NE	1	NE	2	NE	3	E	3	ENE	2	ENE	1	2	3	....	Cu. NE	7	Ci.-S.	Cu. E
16..	Calm	....	Calm	....	ENE	2	ENE	2	NE	1	NE	1	1	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu. ENE
17..	NE	1	NE	1	NE	2	NE	1	NE	1	NE	1	1.2	5	Ci.-S. WNW	Cu. NE	7	Ci.-S.	Cu. NE
18..	NE	1	NEbyE	1	ENE	1	E	1	ENE	1	Calm	....	.8	9	A.-Cu. ESE	Cu.-N. E	6	Ci.	Cu. ENE
19..	Calm	....	Calm	....	EbyN	2	E	3	NE	2	NE	1	1.3	5	Ci.-S.	Cu.-N. ENE	9	....	Cu.-N. NE
20..	NE	1	Calm	....	EbyN	2	ENE	2	NEbyE	2	ENE	2	1.5	5	Ci.	Cu. NE	7	....	Cu. ENE
21..	ENE	2	ENE	2	E	2	ENE	3	EbyN	2	NE	2	2.2	9	....	Cu. ENE	8	Ci.	Cu. ENE
22..	Calm	....	NE	1	ENE	2	E	3	EbyN	2	ENE	3	1.8	8	Ci.-S.	Cu.-N. ENE	7	Ci.-S.	Cu. ENE
23..	E	2	EbyN	2	E	2	ENE	2	ENE	1	NE	2	1.8	5	Ci. S	Cu. E	7	Ci.-S.	Cu. ENE
24..	Calm	....	NNE	1	NE	3	E	4	E	2	Calm	....	1.7	9	Ci.-S. SE	Cu. NE	10	Ci.-S.	N.-cf. E
25..	ENE	2	ENE	2	E	3	ENE	2	ENE	2	Calm	....	1.8	4	Ci.	Cu. ENE	7	Ci.-S.	Cu.-N. E
26..	ENE	2	Calm	....	E	1	ESE	1	E	1	E	2	1.2	9	Ci.-S.	Cu. E	7	Ci.-S.	Cu. E
27..	ESE	1	E	2	ENE	2	E	2	E	1	E	1	1.5	9	Ci.	Cu. E	10	Ci.-S.	Cu.-N. E
28..	E	1	Calm	....	ENE	2	ENE	2	NE	1	Calm	....	1	6	Ci.	Cu. ENE	7	....	Cu. NE
29..	Calm	....	Calm	....	E	1	E	2	E	1	E	2	1	6	....	Cu.-N. E	5	....	Cu. ENE
30..	E	2	Calm	....	ENE	2	E	2	E	1	NE	2	1.5	4	Ci.	Cu. ENE	10	Ci.-S.	Cu.-N. E
Mean	......	1.2	......	1.1	......	2.2	......	2.3	......	1.5	......	1.5	1.6	6.8	....	....	8	....	....

YAP, WESTERN CAROLINES

[φ=9° 29′ N; λ=138° 08′ E; barometer above sea, 31.85 meters; gravity correction not applied, —1.87 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.16	59.18	59.49	57.41	57.40	58.69	58.56	25.9	26.1	30.6	32	27.1	26	28	33.7	24	85	82	65	60	87	94	78.8	6.9
2..	58.05	58.58	59.10	56.88	57.45	58.36	58.07	26.2	25	30.8	30.5	27	26	27.6	33.2	24	90	93	67	65	80	85	80	.8
3..	57.46	57.83	58.21	57.06	57.75	58.72	57.84	26	26.1	31.1	31.5	25.3	25.6	27.6	33.5	24.7	84	80	62	63	91	95	79.2	19
4..	57.89	58.54	58.59	57.38	58.09	59.48	58.33	25	25	30.2	31	27.3	25.8	27.4	33.4	23.2	96	96	73	69	83	92	84.8	.8
5..	58.87	59.48	60.39	58.64	59.35	60.15	59.48	26.5	26.1	29.6	29.6	27.1	26.5	27.6	32.7	24.8	88	91	75	64	82	90	81.7	1
6..	59.44	59.45	59.66	57.90	58.09	59.60	59.02	26.2	26.4	32	30	27.2	26.5	28	33.9	24.7	92	89	70	75	83	84	82.2	......
7..	57.88	58.08	58.61	56.90	57.54	58.74	57.96	26	26.6	32	33	27.6	26.1	28.6	34.3	25.6	88	83	63	61	84	87	77.7	......
8..	57.71	57.83	58.38	57.11	57.97	59.56	58.09	26.4	26.1	32	31	27.6	26.7	28.3	34.2	25.1	89	88	59	65	79	83	77.2	......
9..	58.57	58.88	59.16	57.61	58.16	59.60	58.66	25.6	26	32	32.1	27.5	27.5	28.4	34.2	25	88	88	63	61	81	84	77.5	1.3
10..	58.15	58.49	58.18	57.06	57.85	58.86	58.10	26.5	27.1	26.7	30.6	27.2	26	27.4	32.2	26	89	85	91	72	87	94	86.3	......
11..	57.48	57.63	58.27	56.61	57.46	58.56	57.67	25.7	26	31.7	31.9	27.2	27.2	28.3	33.9	25	98	92	71	67	89	83	83.3	2.8
12..	57.27	57.93	58.54	56.88	57.41	59.04	57.84	25.6	26.1	32.7	31.2	28	27.9	28.6	34.1	24.8	96	94	68	71	82	82	82.2	.3
13..	57.81	58.08	58.29	56.98	57.69	58.95	57.97	27.8	26.1	30.2	31.1	28.5	28	28.6	34.2	25.2	82	93	80	71	81	85	82	......
14..	57.56	57.77	58.25	56.85	57.36	58.60	57.73	27.4	26.2	29.6	29.6	25.8	26.2	27.5	33.2	25	89	94	68	82	98	94	87.5	27.4
15..	57.25	57.81	58.18	57.06	57.82	58.73	57.81	25.6	25.8	26.1	25.2	25.8	25.5	25.7	30.2	24.3	94	98	95	96	92	94	94.8	11.6
16..	57.76	58.01	58.41	57.53	57.84	58.73	58.05	24.7	25.3	28.6	28.7	27.6	26.4	26.9	30.8	24.1	96	98	80	73	80	90	86.2	......
17..	57.78	57.84	58.68	56.86	57.19	58.46	57.80	25.3	25.5	31	31	26.9	26.9	27.8	32.1	24.5	93	89	72	72	91	85	83.7	1.6
18..	57.66	58.06	58.44	57.03	57.94	59.42	58.09	25.5	27	31	30	27.7	27.2	28.1	33.3	25	93	90	75	75	79	89	83.5	......
19..	58.22	58.68	59.81	58.08	58.64	59.93	58.89	26	26	29.5	28.6	26.4	26	27.1	32.4	24.6	92	93	75	84	93	93	88.3	13
20..	58.79	59.53	59.79	58.21	59.02	59.71	59.18	26.3	26.5	30.5	30.9	27.6	27.6	28.2	32.2	24.5	90	94	75	72	84	81	82.7	1.3
21..	59.01	59.68	59.96	58.48	58.94	60.25	59.39	26.6	27	31	31.5	28.1	26.5	28.4	33.2	26	84	84	72	69	82	92	80.5	1.1
22..	59.15	59.06	59.33	57.76	58.19	59.25	58.79	26.5	27.1	30.5	30.6	28.2	27.5	28.4	33	25.2	84	87	72	72	80	85	80	......
23..	58.42	58.74	59.50	57.67	58.13	59.45	58.65	26.7	27.1	30.7	30.7	28	27.5	28.4	33.2	25.8	92	91	74	72	88	92	84.8	4.3
24..	58.70	58.81	59.30	57.98	59.21	59.70	58.95	25.7	26.5	29.6	30.5	26	26.2	27.4	33.2	24.5	98	93	79	73	97	90	88.3	1.6
25..	58.30	59.08	59.01	57.74	58.10	59.45	58.61	26	26.1	31	31.6	28.6	26.1	28.2	33	25.2	92	91	75	72	84	97	85.2	3.6
26..	58.39	58.76	58.86	57.08	57.59	58.82	58.25	26.4	27.3	30.9	29.6	27.7	27.5	28.2	33.9	24.8	90	90	72	75	84	86	82.8	......
27..	57.96	58.32	58.76	57.27	57.18	58.49	58	27.5	26	30.1	30.7	27.9	26.5	28.1	33.2	25.2	84	89	74	70	90	92	83.2	......
28..	57.76	57.92	58.81	57.42	57.68	58.71	58.05	26	26	30	30.7	28.2	27.4	28	32.8	25.3	92	93	75	74	82	88	84	......
29..	57.81	58.11	58.55	56.98	56.99	58.87	57.88	26.3	26.2	30.5	30.2	28	26.8	28	33.7	25	94	96	72	75	83	94	85.7	2.3
30..	57.93	58.13	58.74	57.57	56.78	58.45	57.93	25.8	26	27.8	25.3	26	26.7	26.3	28.7	24	98	97	91	98	96	92	95.3	38.2
31..	57.65	58.64	59.24	58.56	57.44	57.61	58.19	26	24.6	24.8	24.6	25.2	25.9	25.2	28.9	24	96	99	98	99	94	97	97.2	58.4
Mean	58.12	58.48	58.92	57.44	57.88	59.06	58.32	26.1	26.2	30.2	30.2	27.2	26.7	27.8	32.9	24.8	90.8	91	74.2	73.1	86	89.3	84.1	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	197.3

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction.		Amount.	Form and direction.	
															Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	ENE	2	ENE	2	NE	2	ENE	3	E	3	E	2	2.3	4	Ci.	Cu. ENE	6	....	Cu. ENE
2..	ENE	2	E	3	E	3	NE	2	ENE	2	ENE	1	2.2	10	Ci.-S.	Fr.-N. E	7	....	Cu. NE
3..	NE	1	ENE	2	E	3	ESE	2	Calm	....	Calm	....	1.3	3	Ci.	Cu. E	4	....	Cu. E
4..	E	2	Calm	....	ENE	3	ENE	3	NE	3	ENE	3	2.3	10	Ci.-S.	N. E	9	....	Cu.-N. ENE
5..	ENE	3	ENE	2	E	2	ENE	2	Calm	....	NE	2	1.8	7	....	Cu.-N. E	8	A.-Cu. E	Cu.-N.
6..	ENE	2	E	2	E	2	ENE	2	ENE	1	Calm	....	1.5	4	Ci.	Cu. ENE	8	....	Cu. NE
7..	Calm	....	ENE	2	ENE	2	ENE	2	Calm	....	Calm	....	1	4	....	Cu. ENE	5	Ci.-S.	Cu. ENE
8..	NE	1	NE	2	NE	3	ENE	3	ENE	2	ENE	1	2	7	Ci.	Cu. ENE	7	....	Cu. ENE
9..	Calm	....	Calm	....	ENE	2	E	2	ENE	1	ENE	2	1.2	9	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
10..	NE	2	ENE	2	E	2	E	2	Calm	....	Calm	....	1.3	10	A.-S.	Cu.-N. ENE	8	Ci.-S.	Cu. ENE
11..	ENE	3	ENE	1	E	2	ENE	2	Calm	....	NE	1	1.5	6	Ci.	Cu.-N. ENE	7	Ci.-S.	Cu. ENE
12..	Calm	....	ENE	2	ENE	2	ENE	3	EbyN	3	E	3	2.2	10	Ci.-S.	Cu.-N. ENE	8	Ci.-S.	Cu. ENE
13..	E	3	E	1	ENE	2	ENE	3	ENE	2	E	3	2.3	10	A.-S. SE	....	9	Ci.-S.	Cu. ENE
14..	E	3	E	1	E	2	EbyS	2	SE	1	ESE	1	1.7	9	A.-Cu. ESE	Cu.-N. E	9	Ci.-S.	Cu.-N. ESE
15..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	10	Ci.-S.	Cu.-N. ESE	10	Ci.-S.	N. SE
16..	Calm	....	Calm	....	SE	1	SE	1	SE	1	SSE	1	.7	10	A.-Cu. W	Cu. SE	9	Ci.-S. W	Fr.-Cu. SSE
17..	Calm	....	Calm	....	E	2	ESE	2	Calm	....	E	1	.8	9	Ci.	S.-Cu. ENE	9	Ci.	Cu.-N. E
18..	E	1	Calm	....	E	2	E	2	E	2	ENE	2	1.5	8	Ci.	Cu. ENE	7	Ci.	Cu. E
19..	Calm	....	Calm	....	E	1	E	1	SE	1	SE	1	.7	9	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu.-N. ESE
20..	SE	1	Calm	....	E	2	E	2	E	2	E	3	1.7	10	Ci.-S.	Cu. E	7	Ci.	Cu. E
21..	E	3	E	2	E	3	ENE	3	ENE	2	ENE	1	2.3	4	Ci.	Cu. E	6	....	Cu. ENE
22..	ENE	2	ENE	2	E	3	E	2	Calm	....	E	1	1.7	6	....	Cu. ENE	8	....	Cu. ENE
23..	E	2	Calm	....	E	2	E	2	E	2	ENE	2	1.7	4	Ci.	Cu. E	8	Ci.-S.	Cu. E
24..	Calm	....	Calm	....	E	2	E	2	E	2	E	2	1.3	9	Ci.-S.	Cu. E	9	Ci.-S.	Cu.-N. E
25..	Calm	....	Calm	....	E	2	Calm	....	Calm	....	ENE	2	.7	8	A.-Cu. ESE	Cu.	7	Ci.-Cu.	Cu. ENE
26..	NE	2	ENE	2	ENE	2	E	2	ENE	2	ENE	2	2	9	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	Cu. E
27..	ENE	2	Calm	....	E	2	Calm	....	Calm	....	Calm	....	.7	9	Ci.-S.	Cu. E	9	Ci.-S.	Cu. E
28..	Calm	....	Calm	....	E	2	E	2	E	2	Calm	....	1	3	Ci.	Cu. ENE	5	Ci.	Cu. E
29..	Calm	....	Calm	....	ENE	2	E	2	ENE	1	Calm	....	.8	7	Ci.	Cu.-N. ENE	7	Ci.-S.	Cu. ENE
30..	Calm	....	Calm	....	ENE	1	ENE	1	E	2	ENE	2	1	10	Ci.-S.	Cu.-N. E	10	....	N.
31..	Calm	....	Calm	....	Calm	....	Calm	....	ENE	2	ENE	2	.7	10	....	N. ESE	10	Ci.-S.	N. NE
Mean	......	1.2	......	0.9	......	2	......	1.8	......	1.3	......	1.3	1.4	7.7	....	....	7.9	....	....

YAP, WESTERN CAROLINES

[ϕ=9° 29′ N; λ=138° 08′ E; barometer above sea, 31.85 meters; gravity correction not applied, —1.87 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+ [a]							Air temperature.[b]									Relative humidity.[b]							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.74	57.72	58.03	56.98	57.40	58.31	57.70	26.1	26	30.4	30	28.1	27.5	28	32.7	25	92	95	80	82	85	87	86.8	7.4
2..	57.30	56.77	57.94	56.49	57.04	58.05	57.26	26.1	27.2	31	29	28	27	28	32.7	23.5	96	90	75	81	88	92	87	.3
3..	56.55	56.68	57.01	55.76	56.21	57.46	56.61	26.5	26.6	29.1	30.7	27.6	26.2	27.8	32.4	25	95	95	81	74	87	94	87.7	12.2
4..	56.43	56.87	58.02	56.66	56.77	57.65	57.07	26	26.4	27.9	25.3	26.3	27.1	26.5	31.6	24	92	85	89	98	95	91	91.7	13.9
5..	56.88	57.63	58.98	58.09	57.72	58.77	58.01	27	26	24.5	26.6	26.5	26.7	26.2	28.2	24.5	92	97	98	87	89	86	91.5	14.5
6..	57.73	58.77	59.36	58.14	58.30	59.67	58.66	26.1	25.4	27.5	28.9	27	25.6	26.8	31	24.4	92	98	90	80	89	93	90.3	.3
7..	58.71	59.16	59.29	57.51	58.26	59.52	58.74	25.6	25	29.1	30	27.5	27	27.4	33.2	24.6	95	96	75	75	90	89	86.7	8.1
8..	58.16	58.50	59.16	57.78	58.12	59.33	58.51	25.6	25.1	30.3	28.6	27.2	25.5	27	32.2	24.6	95	95	76	82	87	98	88.8	5.8
9..	58.64	58.54	58.78	57.19	57.90	59.31	58.39	25.7	25.3	29.6	29.5	27.8	27	27.5	31.2	24	91	98	78	76	79	84	84.3	1
10..	57.83	57.91	59.06	58.01	58.56	60.06	58.57	27	27.1	28.6	29.2	27.5	24.6	27.3	30.4	24.6?	84	84	84	76	81	96	84.2	5.4
11..	59.29	59.52	59.89	58.31	58.30	60.09	59.23	24.5	26.1	29	27.8	26.9	27.6	27	31	24.9?	96	91	79	90	85	81	87	......
12..	59	58.63	59.29	58.36	58.47	60.11	58.98	27.2	27	28.5	27.5	26.8	26	27.2	31.6	25	91	88	85	84	90	96	87.3	4.3
13..	58.82	59.32	59.94	59.10	58.60	59.83	59.27	25.5	25.5	29	28	27.1	26.7	27	31.4	24.6	93	93	79	85	87	83	86.7	.5
14..	58.84	58.86	59.29	58.45	.....	.....	58.86	25.2	25	29	29.6	....	....	27.2	....	24.6	92	96	78	75	....	....	85.2	......
15..	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
16..	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
17..	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
18..	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
19..	.....	.....	57.76	56.45	57.14	58.72	57.52	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
20..	57.44	57.88	58.02	57.21	58.29	59.50	58.06	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
21..	58.02	58.62	59.35	57.95	58.61	59.81	58.73	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
22..	58.65	59.19	58.63	57.66	58.39	59.12	58.61	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3.8
23..	57.77	58.28	57.94	56.81	58.26	58.47	57.92	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.8
24..	56.78	57.50	57.94	56.76	57.60	58.71	57.55	27.3	28.1	29.2	29.6	26.5	26.1	27.8	31.7	25.6	84	84	80	75	88	91	83.7	2
25..	58.12	59.01	58.81	57.23	57.64	59.53	58.39	26.2	25.4	29.5	29	27.2	25.8	27.2	31.2	24.8	91	97	76	79	84	93	86.7	......
26..	58.61	58.83	59.05	57.75	57.63	59.09	58.49	25.4	26.5	29.5	30.1	29	28.1	28.1	31.3	24.1	89	92	78	74	78	80	81.8	......
27..	58.47	58.73	59.26	57.61	57.59	58.36	58.34	25.4	24.8	29.2	30	28.2	27.8	27.6	31.2	23.5	87	89	70	66	80	81	78.8	1.5
28..	57.35	57.32	57.59	56.15	55.86	56.46	56.79	27.5	27.9	29.6	28.7	27.6	25.1	27.7	30.9	25	84	81	73	80	84	95	82.8	1
29..	55.27	55.55	55.75	54.26	54.93	55.82	55.26	24.5	25	29.5	28.6	25.7	25.2	26.4	31.3	24.5	98	97	75	82	90	97	89.8	10.2
30..	54.98	54.88	55.52	54.96	55.98	57.33	55.61	26	27	28	27.2	26.5	25.1	26.6	32.3	24	92	85	88	86	88	98	89.5	18.5
Mean	57.74	58.03	58.45	57.22	57.58	58.76	57.97	26	26.1	29	28.8	27.2	26.4	27.3	31.5	24.5	91	91.7	80.3	80.3	86.2	90.2	86.6	......
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	[a]112.5

Day.	Wind.[a]													Clouds.[a]					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	E	2	Calm	....	E	2	ESE	1	ESE	2	E	2	1.5	9	A.-Cu. E	Cu.-N. ENE	6	Ci.-S.	Cu. ESE
2..	E	2	E	2	E	2	Calm	....	Calm	....	Calm	....	1	7	....	Cu. E	10	Ci.-S.	Cu.-N. ESE
3..	Calm	....	Calm	....	E	2	E	2	Calm	....	Calm	....	.7	4	Ci.	Cu. E	7	Ci.-S.	Cu.-N. E
4..	ENE	2	Calm	....	ESE	2	ENE	2	ENE	2	E	3	1.8	10	Ci.-S.	Cu.-N. ESE	10	Ci.-S.	N. E
5..	E	1	SE	2	ESE	3	SE	3	ESE	2	E	1	2	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Fr.-N. SE
6..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	10	Ci.-S.	Cu.-N. E	10	A.-Cu. NE	Cu.-N. NNE
7..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	E	1	.2	10	Ci.-S.	Cu.-N. E	8	Ci.-S.	Cu.-N. ENE
8..	Calm	....	Calm	....	E	2	ESE	2	Calm	....	Calm	....	.7	9	....	Cu.-N. E	7	Ci.-S.	Cu. ESE
9..	Calm	....	Calm	....	E	2	ESE	2	E	2	ESE	2	1.3	10	Ci.-S.	Cu.-N. ENE	8	Ci.-S.	Cu.-N. E
10..	ESE	2	ESE	2	Calm	....	Calm	....	Calm	....	Calm	....	.7	10	Ci.-S.	Cu.-N. ESE	10	Ci.-S.	Cu.-N. ESE
11..	ESE	2	ESE	2	ESE	2	ESE	2	ESE	2	ESE	3	2.2	10	Ci.-S.	Cu.-N. ESE	10	Ci.-S.	Cu.-N. ESE
12..	SE	2	ESE	2	ESE	2	Calm	....	Calm	....	Calm	....	1	7	A.-Cu.	Fr.-Cu. ESE	10	Ci.-S.	Cu.-N. ESE
13..	Calm	....	Calm	....	ESE	2	ESE	1	Calm	....	Calm	....	.5	10	A.-Cu. SE	Cu.-N.	10	Ci.-S.	Cu.-N. ESE
14..	Calm	....	Calm	....	Calm	....	Calm	....	......	....	......	....	0	10	Ci.-S.	Cu. E	10	Ci.-S.	Cu.-N. ESE
15..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
16..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
17..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
18..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
19..	......	....	......	....	Calm	....	ESE	1	E	1	Calm	....	.5	....	....	....	9	Ci.-S.	Cu. E
20..	Calm	....	Calm	....	SE	2	SE	1	Calm	....	Calm	....	.5	8	Ci. ENE	Cu.	8	Ci.	Cu.-N. SE
21..	Calm	....	Calm	....	Calm	....	SE	1	E	1	E	1	.5	7	Ci. ENE	Cu. S	8	Ci.	Cu. SE
22..	ESE	2	E	1	E	3	E	2	E	2	Calm	....	1.7	7	Ci. SEbyE	Cu.	8	Ci.-S.	Cu. ENE
23..	E	1	Calm	....	NE	2	NE	2	ENE	3	ENE	2	1.7	10	....	N.	9	Ci.-S. E	Cu. ENE
24..	ENE	3	SE	4	SE	3	SSE	2	SSE	2	Calm	....	2.3	10	Ci.-S.	Cu.-N. SE	10	Ci.-S.	Cu.-N. S
25..	SSE	1	Calm	....	SE	2	SSE	2	Calm	....	Calm	....	.8	9	Ci.	Cu.-N. S	6	Ci. E	Cu. SSE
26..	Calm	....	Calm	....	E	2	E	2	E	2	E	2	1.3	5	....	Cu. NE	9	Ci.-S.	Cu. E
27..	Calm	....	Calm	....	NNE	3	NNE	3	NE	3	NE	3	2	10	Ci.-S. E	Cu. NE	9	Ci.-S.	Cu. NNE
28..	NE	2	ENE	2	ENE	2	NE	2	Calm	....	Calm	....	1.3	10	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	Cu.-N. NE
29..	Calm	....	Calm	....	SSW	2	SSW	1	Calm	....	Calm	....	.5	10	Ci.-S.	Cu.-N. SSW	9	Ci.-S. W	Cu.-N. SSW
30..	SSW	2	SW	2	SW	2	SSW	4	S	3	SW	2	2.5	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	N. SW
Mean	......	1	......	0.8	......	1.7	......	1.5	......	1.1	......	0.9	1.1	8.9	....	....	8.9	....	....

[a] 26 days of observation. [b] 21 days of observation.

NOTE.—Beginning June 25, the height of the barometer above sea level was 3.36 meters.

YAP, WESTERN CAROLINES

[$\phi = 9°\ 29'$ N; $\lambda = 138°\ 08'$ E; barometer above sea, 3.36 meters; gravity correction not applied, —1.87 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.01	58.13	58.95	58.72	58.91	60.46	58.70	24.6	24.2	26.3	26.5	24.6	26.5	25.4	28.5	23.5	91	96	86	90	88	89	90	2.5
2..	60.11	60.36	60.93	59.74	61.19	61.69	60.67	26.3	25.9	28.9	29.6	24.5	25.1	26.7	30.7	24.3	90	88	75	68	92	88	83.5	28
3..	60.02	61.14	60.54	59.23	59.04	59.89	59.98	25.1	24	28.3	28.9	28	27.8	27	30.2	23.7	95	87	82	78	81	82	84.2	6.6
4..	58.67	59.01	59.36	58.23	58.16	59.29	58.79	27.7	24.8	28.6	29	28.5	25	27.3	30.3	24.6	83	97	73	76	79	93	83.5	......
5..	58.31	58.96	59.49	58.63	59.18	60.24	59.14	24.5	24.4	29.1	30	27.5	24.5	26.7	31.7	24	94	93	77	75	82	96	86.2	......
6..	59.54	59.82	60.20	59.35	59.61	60.55	59.84	24.1	24	27.4	26.6	25.5	24.6	25.4	30.8	23.6	97	97	86	90	92	96	93	31.2
7..	59.62	60.09	60.29	58.96	59.49	60.34	59.80	24.5	26.4	28.6	28.9	28.4	27.5	27.4	31.2	23.8	96	91	77	78	79	84	84.2	......
8..	59.06	59.37	59.70	58.43	59.43	60.54	59.42	25.1	27.5	29	29.1	27.6	25.4	27.3	31.4	25	96	83	77	74	84	92	84.3	......
9..	59.22	59.06	59.03	57.69	58.16	59.69	58.81	25	26.7	28.8	28.5	26.5	25.3	26.8	30.9	23.9	92	88	79	81	90	89	86.5	......
10..	58.66	59.16	59.18	57.34	58.05	59.47	58.64	24	24.8	29.1	29.6	27	24.5	26.5	31.6	23.5	96	95	71	69	85	92	84.7	......
11..	58.73	59.12	59.09	57.81	58.13	59.51	58.73	24.2	24.5	29	28	25	24.7	25.9	30.7	23.6	95	96	74	84	94	97	90	5.8
12..	58.22	58.84	58.88	58.25	58.20	58.99	58.56	24.2	24.5	29.6	26	26.5	24.5	25.9	31.6	23.6	98	97	68	92	92	97	90.7	19.4
13..	57.76	58.25	58.95	57.57	57.97	58.90	58.23	24.6	25.1	26	28	26.3	24.9	25.8	29.5	24.1	97	96	93	85	90	94	92.5	7.9
14..	57.73	58.32	58.41	57.54	58.30	59.59	58.32	25.4	26	30.3	31	27.5	26.5	27.8	32.2	24.5	93	89	73	69	81	87	82	1.8
15..	58.62	58.82	58.62	55.87	57.11	58.69	57.96	24.6	25.2	28.9	29.8	28	26.6	27.2	31.7	23.6	97	98	79	73	81	92	86.7	16.5
16..	57.64	58.78	58.41	57.36	58.01	58.44	58.11	25	24	28	30	26.5	25.5	26.5	30.7	23.5	96	97	78	72	90	94	87.8	3.6
17..	57.16	57.87	58.76	56.89	57.54	58.02	57.71	24.9	25	26	29	25	24.7	25.8	30	23.1	97	96	94	75	96	97	92.5	57.1
18..	56.48	56.73	57.34	56.06	56.24	57.22	56.68	24.8	26.8	29	29	27	25.4	27	30	24.1	98	87	78	79	84	93	86.5	......
19..	56.13	56.50	56.75	55.88	55.94	56.92	56.35	24.6	24.9	29.3	29	28.7	28.6	27.5	30.7	24	95	97	73	74	76	77	82	......
20..	55.76	56.55	57.21	56.05	56.82	57.56	56.66	28.5	27	28.4	28.6	27.5	25	27.5	30.1	25	78	88	77	80	83	96	83.7	20.3
21..	56.48	56.81	57.74	55.83	55.79	57.66	56.72	28	25	24.9	26.9	27.6	27.6	26.7	28.7	24.4	86	95	94	84	83	84	87.7	31.2
22..	56.26	56.72	56.98	55.39	55.89	57.14	56.40	28	25.6	29	29.5	28.5	27.6	28	30.3	24.9	82	92	75	75	81	87	82	3.6
23..	55.87	56.25	56.30	55.09	55.64	56.42	55.93	26.6	28	30.1	29.5	24.1	24.5	27.1	31.7	24.1?	87	80	71	75	97	94	84	22.6
24..	54.93	55.57	55.84	54.74	55.23	56.93	55.54	24.4	24.4	29.4	28.6	25.8	25.9	26.4	31.1	23.7	96	96	75	80	94	93	89	26.9
25..	56.06	57.01	57.97	56.35	57.05	58.31	57.12	25.5	25	28.9	28.9	26.9	26	26.9	31	24	96	95	82	78	85	92	88	11.2
26..	56.58	57.03	57.36	56.11	56.32	57.77	56.86	26.6	27	29	28	25.6	24.4	26.8	30.8	24.4?	83	84	78	77	94	97	85.5	15.4
27..	56.26	56.51	56.65	55.20	55.62	56.10	56.06	24.4	24.5	27.7	28.1	25.6	25.9	26	30.8	23.5	97	97	84	84	92	93	91.2	55.8
28..	56.04	55.96	56.83	54.97	55.61	56.57	56	24	24.6	25.2	27	26.4	25.5	25.4	28.3	23.5	96	95	94	80	85	84	89	6.7
29..	55.84	55.98	56.16	55.04	55.74	56.55	55.88	25.1	25	29.6	30.1	27.8	26.8	27.4	32	24	96	97	74	72	83	86	84.7	4.3
30..	55.47	55.70	55.60	54.52	55.18	56.31	55.46	26.4	26	30.3	30.4	28.4	26.5	28	31.7	24.6	89	94	74	72	82	92	83.8	.5
31..	55.12	55.26	56.33	55.82	55.65	56.83	55.84	27.1	26.5	25.8	27.3	26.6	25.9	26.5	29.2	24.5	89	92	95	81	88	93	89.7	46
Mean	57.40	57.86	58.19	56.92	57.39	58.47	57.71	25.4	25.4	28.3	28.7	26.8	25.8	26.7	30.6	24	92.6	92.7	79.5	78.1	86.5	91	86.7	......
Total	....	....	....	....	....	....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	424.9

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction.		Amount.	Form and direction.	
															Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	SW	3	Calm	....	Calm	....	NE	2	NE	1	NNE	1	1.2	10	Ci.-S.	Fr.-N. SW	10	Ci.-S.	Cu.-N. SSW
2..	Calm	....	Calm	....	NE	3	NNE	3	NE	4	NE	2	2	8	Ci.-S.	Cu. NE	9	A.-Cu.	Cu. NNE
3..	Calm	....	SE	4	E	2	ENE	2	E	1	E	3	2	10	Ci.-S.	N. E	10	Ci.-S.	Cu. ENE
4..	E	2	Calm	....	ESE	1	SE	2	ESE	2	Calm	....	1.2	5	....	Cu. SE	6	....	Cu.-N. SSE
5..	Calm	....	Calm	....	SSE	2	SSE	2	Calm	....	Calm	....	.7	4	....	Cu. S	9	Ci.-S.	Cu.-N. SSE
6..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	4	Ci. ENE	Cu.-N.	10	....	Cu.-N. N
7..	Calm	....	Calm	....	NNE	2	E	2	ENE	1	ENE	2	1.2	8	Ci.-S.	Cu. N	8	Ci.	Cu.-N. E
8..	Calm	....	ENE	2	ESE	2	SE	2	SE	0	Calm	....	1	7	A.-Cu. S	Cu. E	3	Ci.	Cu.-N.
9..	Calm	....	S	2	SSE	1	Calm	....	Calm	....	Calm	....	.5	8	Ci.	Cu. S	7	Ci.-S.	Cu.-N. S
10..	Calm	....	Calm	....	SE	1	SE	1	Calm	....	Calm	....	.3	5	Ci.-S. ESE	Cu.	8	Ci. E	Cu.-N. NNE
11..	Calm	....	Calm	....	NNE	0	SE	2	Calm	....	Calm	....	.3	8	Ci.-S.	Cu. N	10	Ci.-S.	Cu.-N. NE
12..	Calm	....	Calm	....	NW	0	Calm	....	Calm	....	Calm	....	0	8	Ci.	Cu. NNW	10	Ci.-S.	Cu.-N. NE
13..	Calm	....	Calm	....	Calm	....	WSW	0	Calm	....	Calm	....	0	10	Ci.-S.	N.-cf. WSW	10	Ci.-S.	Cu.-N. WSW
14..	Calm	....	Calm	....	WSW	2	WSW	2	W	1	Calm	....	.8	10	Ci.-S. ESE	Cu. WSW	7	Ci.-S.	Cu. W
15..	Calm	....	Calm	....	Calm	....	WNW	1	Calm	....	Calm	....	.2	10	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu. W
16..	Calm	....	Calm	....	NW	2	WNW	2	Calm	....	Calm	....	.7	10	....	N. NW	9	Ci.-S.	Cu. WNW
17..	Calm	....	Calm	....	Calm	....	W	2	Calm	....	Calm	....	.3	9	....	Cu.-N. WNW	10	Ci.-S.	Cu. W
18..	Calm	....	Calm	....	E	3	SE	2	SE	2	SE	1	1.3	10	Ci.	Cu. NE	6	Ci.-S.	Cu. SE
19..	Calm	....	Calm	....	SE	2	SE	1	SE	2	SE	3	1.3	8	Ci.	Cu. SE	9	Ci.-S.	Cu. SE
20..	E	3	SE	2	SE	2	SE	3	SE	4	Calm	....	2.3	2	Ci.	Cu.	7	Ci.-S.	Cu. SE
21..	SE	3	Calm	....	NE	3	E	3	E	3	E	3	2.5	10	A.-Cu. SE	Cu.-N. E	10	Ci.-S.	Cu.-N. E
22..	SE	3	Calm	....	ESE	1	ESE	1	SE	1	ENE	1	1.2	8	Ci.-S. ESE	Cu.	9	Ci.-S. ESE	Cu. E
23..	ENE	3	E	3	ENE	2	E	2	NNE	0	Calm	....	1.7	10	Ci.-S. E	Cu. ESE	9	Ci.-S.	Cu. NE
24..	NW	1	Calm	....	S	2	S	3	Calm	....	SSW	2	1.3	10	Ci.-S.	N. SW	10	Ci.-S.	Cu.-N. SSW
25..	SSW	3	SSW	3	S	2	SSW	3	SSW	2	SSW	2	2.5	10	....	N. SW	10	Ci.-S.	Cu.-N. SSW
26..	S	2	SSW	2	S	2	Calm	....	Calm	....	Calm	....	1	8	Ci.	Cu. SSW	10	Ci.-S. N	Cu.-N.
27..	Calm	....	Calm	....	Calm	....	NW	1	NW	0	Calm	....	.2	10	Ci.-S.	Cu.-N. NNE	10	A.-Cu. NNE	Cu.-N. N
28..	NW	2	NW	1	NW	2	NNW	2	NW	1	Calm	....	1.3	10	Ci.-S.	N. NW	10	Ci.-S.	Cu.-N. NNW
29..	WNW	1	Calm	....	WNW	2	W	2	Calm	....	Calm	....	.8	10	Ci.-S.	Cu. NW	10	Ci.-S.	Cu.-N. WNW
30..	Calm	....	WSW	1	WSW	2	WSW	2	WSW	1	Calm	....	1	10	Ci.-S.	Cu.-N. WSW	10	Ci.-S.	Cu. WSW
31..	WSW	1	WNW	1	NE	4	NW	2	NW	2	WNW	1	1.8	10	Ci.-S.	Cu.-N. W	10	A.-Cu. EbyN	Cu.-N.
Mean	......	0.9	......	0.7	......	1.5	......	1.7	......	0.9	......	0.7	1.1	8.4	....	....	8.9	....	....

YAP, WESTERN CAROLINES

[ϕ=9° 29′ N; λ=138° 08′ E; barometer above sea, 3.36 meters; gravity correction not applied, −1.87 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	56.11	56.28	56.63	54.51	55.47	56.95	55.99	26.5	25.4	25.4	27	26.4	25	26	28.6	24.7	88	93	93	83	86	96	89.8	44.2
2..	55.76	56.27	57.52	55.08	56.34	58.03	56.50	25	25	25.2	27.8	27.5	26.5	26.2	29.2	24.4	96	96	95	79	82	85	88.8	43.7
3..	56.81	57.84	58.66	57.39	57.63	58.78	57.85	26.5	26.4	24.9	24.8	25	25.5	25.5	29.3	23.5	87	89	89	92	93	93	90.5	27.4
4..	57.67	57.83	58.26	57.21	58.40	59.29	58.11	26.5	25	30	30.1	25.9	24.5	27	32	24	88	96	75	75	88	97	86.5	13.5
5..	58.31	58.58	59.06	57.64	58.35	59.42	58.56	24.2	25.7	29.5	28.5	27.4	24	26.6	31.7	24	97	91	76	83	83	96	87.7	48.3
6..	58.36	58.01	58.40	56.84	56.77	57.22	57.60	24.5	25.4	28.6	29.5	27.1	25.6	26.8	30.8	23.5	96	89	80	81	90	93	88.2	61.2
7..	56.89	56.72	57.84	57.15	56.19	56.28	56.84	25	24.7	25	24.9	25.4	26.6	25.3	28.2	22.5	96	92	87	92	87	86	90	23.7
8..	55.14	55.94	55.70	54.76	54.80	55.90	55.37	27	27	29.3	29.6	27.9	26.6	27.9	30.8	24.6	84	86	80	77	82	88	82.8	7.4
9..	54.70	55.13	55.96	55.18	55.62	56.94	55.59	27.7	27.5	30.6	30	28.3	28	28.7	31.4	25.2	83	84	70	75	80	81	78.8	......
10..	55.85	56.01	56.34	55.72	56.69	57.79	56.40	27.5	27.8	30.6	30.9	28.2	28	28.8	32.1	26.9	80	80	72	72	77	82	77.2	......
11..	56.41	57.14	58.18	56.38	57.21	58.65	57.33	27.5	27.6	29.4	30.5	28.2	27.7	28.5	31.7	26.8	81	84	79	72	81	83	80	.3
12..	57.92	58.37	58.98	57.54	58.30	59.32	58.40	27	25.5	30	30	27.9	26.1	27.8	31.6	24	88	96	75	77	85	94	85.8	......
13..	58.62	59.22	59.42	58.07	58.58	60.01	58.99	25	25.5	31.5	30.9	28	25.7	27.8	32.7	24.5	96	96	68	69	81	93	83.8	......
14..	58.99	58.16	58.24	57.51	56.90	59.02	58.14	26	27	29	28.6	28	22.9	26.9	31.1	22.9?	92	85	78	83	82	92	85.3	47.2
15..	58.18	58.18	56.22	56.80	57.84	58.54	57.63	23.7	24	25.7	28.1	27.5	27.5	26.1	29.7	21.7	94	90	86	79	81	84	85.7	9.4
16..	57.77	58.43	59.95	58.45	59.72	60.06	59.06	26.6	26.5	25.2	28	26	25.9	26.4	29.7	23	89	90	90	74	88	81	85.3	7.7
17..	58.44	58.44	58.76	56.60	57.60	59.19	58.17	25.5	25.8	30	29.6	27	25.9	27.3	31.6	24.5	88	88	73	74	86	92	83.5	11.2
18..	58.37	58.56	58.91	57.20	57.62	58.91	58.26	24.7	24.7	29.6	29.4	27.6	26.5	27.1	31.7	23.5	97	97	75	74	81	88	85.3	......
19..	58.43	58.63	59.75	57.93	58.65	59.85	58.87	26	24.9	31	30.7	27.7	25.3	27.6	32.7	24.5	92	92	71	70	87	94	84.3	......
20..	58.84	58.63	59.15	57.73	58.17	59.36	58.65	24.2	25.4	29.8	28.9	28	25.5	27	31.7	23.9	96	96	73	79	81	92	86.2	17.1
21..	57.03	57.19	57.68	55.62	55.08	55.71	56.38	25.2	24.5	25.5	26	26.5	25	25.4	28.7	23.5	88	92	88	84	88	90	88.3	14.8
22..	54.34	54.59	55.76	54.68	56.02	56.72	55.35	27.1	26.9	26.3	27.1	24.6	25.4	26.2	28.9	23.6	83	81	90	82	92	93	86.8	35.8
23..	56.11	57.91	58.76	57.53	58.32	59.96	58.10	26.3	23.6	26	26.5	26.4	26.1	25.8	28.2	23	82	95	89	87	86	85	87.3	27.2
24..	59.09	59.09	60	57.35	58.81	60.49	59.14	23.6	25.6	26.5	27	25.6	25	25.6	29.6	23.2	96	92	85	81	95	96	90.8	5.6
25..	59.62	59.72	59.39	57.30	58.02	59.54	58.93	24.8	23.8	29.7	29.4	27.5	26.7	27	31.2	23.5	92	93	70	65	81	80	80.2	......
26..	58.06	57.91	58.34	56.59	56.50	57.57	57.50	24	25.1	29.6	30	27.6	27	27.2	31.2	23.9	96	89	74	71	80	87	82.8	2.9
27..	55.90	56.01	57.14	55.55	55.80	57.67	56.34	25.9	25.6	28.6	29.2	27.4	25.3	27	31.4	24.5	93	93	82	75	81	91	85.8	11.8
28..	56.73	56.91	58.14	57.22	57.93	59.12	57.68	25.9	24.9	29	26	26.5	24.1	26.1	30.7	23.7	88	92	78	89	86	96	88.2	22.5
29..	58.04	57.81	59.36	57.94	58.29	60.42	58.64	24.6	24.4	29	28.5	26.3	24.8	26.3	30.9	23.3	93	97	78	77	90	87	87	......
30..	59.44	59.55	60.09	58.31	59.23	59.99	59.44	24	24	28.4	30	27	25.2	26.4	30.7	23.3	96	97	70	65	84	90	83.7	......
31..	58.76	58.73	58.84	57.30	58.20	59.02	58.48	25.2	25.5	29.6	29.5	27.4	25.2	27.1	30.8	24.1	90	90	67	68	80	92	81.2	.3
Mean	57.44	57.67	58.24	56.81	57.39	58.57	57.69	25.6	25.5	28.3	28.6	27	25.8	26.8	30.7	23.9	90.5	91	79.2	77.5	84.6	89.6	85.4	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	484.2

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction.		Amount.	Form and direction.	
															Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	W	2	WNW	2	WNW	2	WNW	3	WNW	3	Calm	....	2	10	....	N.	10	Ci.-S.	Cu.-N. WNW
2..	W	1	W	1	WSW	3	W	2	WSW	2	Calm	....	1.5	10	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu.-N. W
3..	WSW	1	SSW	3	NW	3	WSW	2	Calm	....	Calm	....	1.5	10	Ci.-S.	N. SSW	10	Ci.-S.	Fr.-N. W
4..	WSW	2	Calm	....	S	2	SW	2	SW	2	Calm	....	1.3	9	A.-Cu. W	Cu. SW	8	A.-Cu. W	Cu.-N. SW
5..	Calm	....	W	1	WSW	2	WSW	0	Calm	....	W	2	.8	10	A.-S.	....	10	Ci.-S.	Cu.-N. WSW
6..	Calm	....	WSW	1	SW	2	W	2	W	0	WSW	2	1.2	10	Ci.-S.	Cu. WSW	10	Ci.-S.	Cu.-N. W
7..	W	2	SSW	3	SSW	2	SW	3	SW	2	SW	2	2.3	10	....	N. SSW	10	Ci.-S.	N. SW
8..	SW	2	WSW	2	WSW	2	WSW	3	WSW	3	WSW	2	2.3	10	Ci.-S.	Cu.-N. WSW	10	Ci.-S.	Cu.-N. WSW
9..	WSW	3	SW	3	SW	3	SW	3	SW	3	SW	3	3	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	Cu. SW
10..	SW	3	SW	3	SW	3	SW	3	SW	2	SSW	3	2.8	10	Ci.-S.	Cu. SW	9	Ci.-S.	Cu. SW
11..	SSW	3	SSW	2	SSW	3	SSW	2	SSW	2	SSW	2	2.3	10	Ci.-S.	Cu.-N. SSW	7	Ci.	Cu. SSW
12..	SSW	1	Calm	....	SSW	2	SSW	1	SSW	0	Calm	....	.7	9	A.-Cu. E	Cu. SSW	8	Ci.	Cu. SSW
13..	Calm	....	Calm	....	W	1	W	1	Calm	....	Calm	....	.3	10	A.-Cu. NE	Cu. W	10	A.-Cu. NE	Cu. W
14..	Calm	....	NW	2	NNW	3	NNW	1	WNW	2	NW	3	1.8	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu.-N. NNW
15..	NW	2	W	2	WNW	3	W	2	WSW	1	WSW	2	2	10	....	N. WNW	10	Ci.-S.	Cu.-N. W
16..	WSW	1	WSW	2	WNW	2	WNW	2	Calm	....	SW	2	1.5	10	Ci.-S. N	Cu.-N. WSW	9	A.-Cu. W	Cu.
17..	S	1	SW	2	SW	2	SW	1	Calm	....	SW	2	1.3	10	Ci.-S.	Cu. SW	10	A.-Cu.	Cu.-N. SW
18..	Calm	....	Calm	....	S	2	SW	2	S	1	Calm	....	.8	9	Ci. NNW	Cu. SW	9	Ci.-S.	Cu. SW
19..	Calm	....	Calm	....	SSW	2	Calm	....	Calm	....	Calm	....	.3	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu. SW
20..	Calm	....	W	1	WNW	2	WNW	2	WNW	2	WNW	2	1.5	10	Ci.-S.	Cu. W	10	Ci.-S.	Cu.-N. WNW
21..	WNW	2	WNW	3	WNW	3	WNW	3	W	3	W	3	2.8	10	Ci.-S.	N. WNW	10	Ci.-S.	N.-cf. WNW
22..	WSW	3	WSW	3	WSW	3	SW	3	SW	2	SW	3	2.8	10	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu.-N. WSW
23..	SSW	3	WSW	3	SW	2	SW	2	SSW	2	SE	2	2.3	10	....	N. WSW	10	Ci.-S.	Cu.-N. SW
24..	Calm	....	SE	2	S	1	S	2	Calm	....	Calm	....	.8	10	Ci.-S.	N. SSE	10	Ci.-S.	....
25..	Calm	....	Calm	....	Calm	....	N	1	N	0	Calm	....	.2	10	Ci.-S.	....	2	Ci.	Cu. N
26..	Calm	....	W	1	WNW	2	WNW	2	WNW	2	WNW	2	1.5	3	Ci.	Cu. E	7	Ci.	Cu. WNW
27..	WNW	2	WSW	1	SW	2	SW	3	SW	2	Calm	....	1.7	10	Ci.-S.	Cu.-N.	10	Ci.	Cu.-N. SW
28..	SSW	2	Calm	....	SSW	2	Calm	....	SSW	1	Calm	....	.8	10	Ci.-S.	Fr.-N. SW	10	Ci.-S. SE	Cu.-N.
29..	Calm	....	Calm	....	SSW	2	SSW	2	Calm	....	Calm	....	.7	10	....	S. SE	8	Ci.	Cu. WSW
30..	Calm	....	Calm	....	Calm	....	NNW	1	Calm	....	Calm	....	.2	7	Ci. N	Cu.	6	Ci.	Cu. NNW
31..	Calm	....	Calm	....	N	2	N	2	N	2	N	0	1	3	Ci.	Cu. NNE	8	Ci.	Cu. NNE
Mean	......	1.2	......	1.4	......	2.1	......	1.9	......	1.3	......	1.2	1.5	9.4	....	....	9.1	....	....

YAP, WESTERN CAROLINES

[ϕ=9° 29′ N; λ=138° 08′ E; barometer above sea, 3.36 meters; gravity correction not applied, —1.87 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.78	57.94	58.23	56.58	57.11	58.24	57.65	26.1	25.2	28.6	29.6	27.1	25.3	27	30.7	24.3	83	93	77	69	84	94	83.3	1.6
2..	57.52	58.40	58.28	56.91	57.17	58.21	57.75	25.4	25.4	29	30.5	27.5	25.5	27.2	31.9	24.5	94	93	74	65	80	92	83	....
3..	56.88	57.38	57.96	56.16	56.59	57.67	57.11	25.2	25	28.5	26.1	25.1	27	26.2	31.1	24.5	93	94	81	87	94	85	89	14.7
4..	56.04	56.55	56.61	55.67	56.38	57.06	56.38	25.7	25.1	29.4	29	26.9	24.9	26.8	31.4	24.5	94	93	75	76	88	97	87.2	.3
5..	56.18	57.33	57.49	55.41	56.43	57.81	56.78	25.6	25.3	29.1	29.5	27.7	27.1	27.4	31.1	24	95	90	77	74	79	83	83	1.1
6..	56.45	56.62	57.35	55.84	56.39	57.13	56.63	27	26.8	29	27.5	25.2	26.4	27	32.4	25.2?	85	89	81	84	88	86	85.5	3.5
7..	55.62	56.07	57.01	55.20	56.24	57.11	56.21	26.3	25	27.5	28.4	24.7	26.4	26.4	29.2	23.3	82	91	77	73	89	81	82.2	12.4
8..	55.38	56.33	56.68	55.18	55.87	57.31	56.12	26.1	24.9	26.5	24.2	25.7	24.2	25.3	27.7	23	83	84	80	92	87	94	86.7	70.7
9..	55.64	56.03	56.71	55.06	55.22	56.13	55.80	24.1	25.6	27.5	27.5	27.3	27.2	26.5	28.8	23.3	95	87	81	78	73	78	82	24.7
10..	55.01	55.28	55.80	54.02	54.43	55.28	54.97	24.2	25.2	28.5	27	26.8	26.3	26.3	29.8	23	93	88	78	78	74	86	82.8	3
11..	54.04	54.38	55.47	54.22	55.10	56.16	54.90	26.6	26.7	28.1	28.5	28	27.8	27.6	30	23.5	87	86	79	78	77	79	81	2.5
12..	55.55	56.30	57.26	55.96	56.21	57.94	56.54	27.4	27.5	28.5	30	27.5	27	28	31.7	25	83	78	85	73	82	86	81.2	....
13..	56.93	56.96	58.09	57.40	57.68	58.73	57.63	27	25.5	28.7	29	26	24.8	26.8	30.1	24.8	86	93	78	78	92	95	87	....
14..	58.13	58.08	58.84	57.07	57.68	58.96	58.13	24.7	24.6	29.2	31.6	26.6	25.5	27	32.5	24	97	97	75	59	86	90	84	....
15..	57.35	57.51	58.25	56.80	57.17	58.11	57.53	25.3	25.2	29.2	29	26.2	25.5	26.7	30.7	24.5	93	92	73	76	94	98	87.7	5.6
16..	56.98	57.78	58.94	57.35	57.50	58.90	57.91	24.3	24.4	29.5	29.9	27	25.5	26.8	31.2	23.8	97	95	72	73	83	93	85.5	.8
17..	58.21	58.58	59.86	58.59	58.80	59.82	58.98	24.5	24.4	28.6	24.6	25	24.2	25.2	32.2	24	97	97	80	95	90	96	92.5	.3
18..	58.78	59.84	60.68	58.64	58.77	59.41	59.35	24	24.5	29	29	27	24.3	26.3	31.3	23.9	97	98	75	72	86	95	87.2	....
19..	58.73	59.37	59.30	57.66	58.44	59.50	58.83	24	24.2	29.7	31.1	27.2	25	26.9	33	23.8	97	98	70	65	84	92	84.3	....
20..	58.26	58.38	58.94	57.64	58.24	59.54	58.50	24.3	24.6	30.5	30.5	26.9	24.6	26.9	32.4	23.9	97	96	72	68	89	93	85.8	.8
21..	58.41	58.76	59.19	58	58.61	59.92	58.82	24.1	24.6	28.3	28.4	24.7	24.7	25.8	30.6	24	92	96	81	79	97	98	90.5	55.1
22..	58.18	58.82	59.60	57.60	57.69	58.89	58.46	24	24.4	30.3	30.5	28.5	27.8	27.6	32.2	23.9	97	96	70	72	81	84	83.3	.3
23..	57.56	57.76	58.28	56.73	57.52	58.52	57.73	27.5	28	29.5	29.7	27.8	27.7	28.4	31.2	24.6	88	85	79	80	86	87	84.2	2.5
24..	57.27	57.80	58.34	56.28	57.60	58.39	57.61	25.8	27	27.9	29.5	28.3	26	27.4	30.6	23.8	93	92	85	75	83	93	86.8	5.1
25..	57.44	57.63	58.21	56.58	57.59	58.52	57.66	26.2	25.5	30.6	30.7	28.5	25	27.8	31.9	25	91	96	68	67	80	95	82.8	.3
26..	57.55	57.91	58.49	56.64	57.17	58.56	57.72	24.5	24.3	29	30	28.1	24	26.6	30.7	24	97	97	73	71	77	96	85.2	....
27..	57.72	57.73	58.66	56.93	57.40	58.45	57.82	23.5	24.5	29.1	29.5	25.7	24.3	26.1	30.7	23.2	96	97	75	71	90	95	87.3	....
28..	57.36	57.26	58.03	56.25	56.85	58.06	57.30	23.9	24.5	30	30.6	27.1	25.4	26.9	32.7	23.6	97	97	68	72	87	97	86.3	5.6
29..	56.59	56.91	57.04	55.07	57.01	56.33	56.49	25.3	25	30.5	29.2	25	26.3	26.9	32.7	24.5	98	96	75	80	97	91	89.5	30.2
30..	55.41	56.23	55.93	54.14	55.32	56.08	55.52	26.5	25.1	27	27.7	26.1	25.5	26.3	31.2	24	92	97	88	89	93	90	91.5	24.1
Mean	56.96	57.40	57.98	56.39	57.01	58.02	57.29	25.3	25.3	28.9	28.9	26.7	25.7	26.8	31.1	24	92.3	92.7	76.7	75.6	85.7	90.6	85.6	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	265.2

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	NNW	1	Calm	....	NNE	2	NNE	2	Calm	....	Calm	....	0.8	9	Ci.-S.	Cu.-N. NNE	8	Ci.	Cu. NNE
2..	Calm	....	Calm	....	Calm	....	N	1	NNW	1	Calm	....	.3	8	Ci.	Cu. NNE	9	Ci.	Cu.-N. N
3..	Calm	....	Calm	....	ENE	2	Calm	....	Calm	....	ENE	2	.7	6	Ci.	Cu. NNW	10	Ci.-S.	Cu.-N.
4..	SE	1	Calm	....	SSE	2	SSW	2	Calm	....	Calm	....	.8	7	Ci. E	Cu.-N.	8	Ci.-S.	Cu.-N. SW
5..	Calm	....	SSE	2	S	2	SSE	2	S	2	Calm	....	1.3	10	Ci.-S.	Cu.-N. S	8	....	Cu. S
6..	Calm	....	Calm	....	Calm	....	SW	2	SW	1	W	2	.8	10	A.-Cu. N	Cu.-N. SW	10	Ci.-S.	Cu.-N. SW
7..	W	2	WNW	2	W	2	W	2	W	2	W	2	2	10	Ci.-S.	N.-cf. WNW	10	Ci.-S.	Cu.-N. W
8..	W	2	W	2	W	3	W	4	W	4	W	4	3.2	10	Ci.-S.	Cu.-N. W	10	....	N. W
9..	W	4	WSW	3	W	3	WSW	3	W	4	W	3	3.3	10	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu.-N. W
10..	W	4	WSW	3	WSW	3	WSW	3	WSW	3	SW	3	3.2	10	Ci.-S.	N. WSW	10	Ci.-S.	Fr.-N. WSW
11..	SW	3	SSW	3	SSW	3	SSW	3	SSW	3	SSW	3	3	10	Ci.-S.	Fr.-N. SW	10	Ci.-S.	Cu.-N. SW
12..	SSW	3	S	3	S	2	S	2	S	2	S	2	2.3	10	Ci.-S.	Cu.-N. SSW	10	Ci.-S.	Cu.-N. SSW
13..	Calm	....	Calm	....	S	2	S	2	S	0	Calm	....	.7	7	Ci.	Cu. SSW	7	Ci.	Cu. S
14..	Calm	....	Calm	....	N	0	N	1	Calm	....	Calm	....	.2	9	A.-Cu. SE	Cu.	9	A.-Cu.	Cu.-N. NW
15..	Calm	....	Calm	....	NNW	2	NNW	2	Calm	....	Calm	....	.7	9	Ci. E	Cu.-N. NW	10	Ci.-S.	Cu.-N. NNW
16..	Calm	....	Calm	....	NW	2	NW	2	NNW	2	Calm	....	1	10	Ci.-S.	Cu.-N. NW	9	A.-Cu.	Cu. NW
17..	Calm	....	Calm	....	SSE	2	SE	3	Calm	....	Calm	....	.8	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. S
18..	Calm	....	Calm	....	ESE	1	SE	2	Calm	....	Calm	....	.5	6	Ci.	Cu. S	8	Ci.-S. SSE	Cu.-N. W
19..	Calm	....	Calm	....	WNW	1	WNW	1	Calm	....	Calm	....	.3	3	Ci.	Cu. S	8	Ci.	Cu. WNW
20..	Calm	....	Calm	....	SW	1	WbyS	2	Calm	....	Calm	....	.5	6	Ci.	Cu. W	7	Ci.	Cu. W
21..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	9	Ci.-S. ESE	Cu.-N. WNW	10	Ci.-S.	Cu.-N. E
22..	Calm	....	Calm	....	NNE	1	NE	2	NE	2	NE	2	1.2	7	Ci.	Cu. E	8	Ci.	Cu. NE
23..	E	2	ENE	2	E	2	E	2	ENE	2	E	2	2	8	Ci.	Cu. ENE	7	Ci.	Cu. ENE
24..	Calm	....	E	1	ESE	2	ESE	2	E	2	Calm	....	1.2	10	Ci.-S.	Cu.-N. E	9	Ci.-S. SSE	Fr.-Cu. ESE
25..	Calm	....	Calm	....	ENE	3	ENE	2	ENE	1	Calm	....	1	6	Ci.	Cu. ENE	5	Ci.	Cu. ENE
26..	Calm	....	Calm	....	ENE	1	E	1	Calm	....	Calm	....	.3	4	Ci. S	Cu. ENE	4	Ci. E	Cu. ENE
27..	Calm	....	Calm	....	E	2	E	2	Calm	....	Calm	....	.7	8	Ci.	Cu. E	10	Ci.-S.	Cu. E
28..	Calm	....	Calm	....	ENE	1	Calm	....	Calm	....	Calm	....	.2	5	A.-Cu.	Cu. NNW	8	Ci.-S.	Cu.-N.
29..	Calm	....	Calm	....	NNW	1	WNW	1	Calm	....	Calm	....	.3	10	Ci.-S.	N. NNW	10	Ci.-S.	Cu.-N.
30..	WNW	1	Calm	....	W	2	W	2	W	2	W	2	1.5	10	....	N. W	10	Ci.-S.	Cu.-N. W
Mean	......	0.8	......	0.7	......	1.7	......	1.8	......	1.1	......	0.9	1.2	8.2	....	....	8.7	....	....

YAP, WESTERN CAROLINES

[ϕ=9° 29′ N; λ=138° 08′ E; barometer above sea, 3.36 meters; gravity correction not applied, —1.87 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	54.50	55.51	57.71	54.88	55.16	56.42	55.70	25.8	25.5	24.5	27.2	27	27.1	26.2	28.7	23.5	96	96	96	81	84	83	89.3	11.5
2..	55.35	55.56	56.61	55.56	56.53	57.38	56.16	27	26.5	30.1	28.4	25	24.7	27	32.1	24	84	89	74	78	97	98	86.7	16.3
3..	56.06	57.10	57.81	56.25	56.79	57.39	56.90	26.6	26.8	30.2	29.7	27.5	26.9	28	32.3	24	91	86	74	77	84	84	82.7	58.2
4..	57.12	58.31	59.22	56.71	57.66	58.39	57.90	23.8	24	24.5	26.9	24.4	23.7	24.6	28.7	22.8	93	98	94	83	94	98	93.3	9.1
5..	56.76	57.73	58.27	56.26	56.82	57.84	57.28	23.2	23.9	28.5	27.6	25.4	24.4	25.5	31.1	23	98	98	73	80	92	97	89.7	......
6..	57.23	57.75	.....	56.31	57.34	.....	......	23.6	24.4	....	28.5	25.5	....	25.5	31.5	23.4	98	97	....	78	91	....	91	2.5
7..	.....	58.63	59.17	57.53	58.49	59.36	58.64	....	25.7	29.5	28.5	26	24.1	26.8	31.3	23.5	....	96	75	78	89	99	87.4	.3
8..	.....	58.48	59.34	57.21	58.05	58.82	58.38	....	25.6	27.5	27.5	23.9	23.7	25.6	28.8	23.5	....	90	78	77	97	98	88	9.8
9..	57.22	57.61	57.63	55.70	56.65	57.41	57.04	23.5	25	24.9	26.9	24.1	23.8	24.7	28.2	23.6	96	94	95	86	98	98	94.5	2.4
10..	56.38	57.03	57.44	55.58	56.50	58.01	56.82	24	23.8	28.3	26.2	24.4	24.7	25.2	30	23.5	98	98	82	88	97	95	93	33.3
11..	56.31	56.91	57.54	55.88	57	58.10	56.96	23.3	23.5	28.5	28.6	27.5	27.5	26.5	30.2	22.7	97	96	74	72	81	81	83.5	5.3
12..	57.14	58.01	58.91	56.60	57.57	58.61	57.81	27.4	27	28.5	27.1	27.4	25.4	27.1	29.9	25.2	84	86	76	88	90	97	86.8	4.7
13..	57.87	58.31	58.96	57.46	58.34	58.89	58.30	25.2	25.4	29	29.6	24.9	24.5	26.4	31.2	24	98	89	81	75	97	97	89.5	16.8
14..	57.57	57.83	58.59	56.65	57.44	58.19	57.71	24.9	24.6	29	27.6	25.4	25.2	26.1	30.2	24.1	97	99	78	85	97	98	92.3	11.7
15..	56.81	57.11	57.76	56.01	56.55	57.56	56.97	25.2	26.4	28	29	27.2	25.6	26.9	30.9	24.9	97	89	85	78	84	93	87.7	......
16..	56.25	56.62	56.94	55.24	55.79	56.56	56.23	24.7	25.2	29.5	26.2	26.3	25.9	26.3	31	24.5	97	98	75	86	91	96	90.5	4.9
17..	55.60	55.93	56.05	53.88	54.30	55.06	55.14	26.4	26.6	29.6	29.5	27.7	27.5	27.9	31.3	25.2	90	89	75	76	79	81	81.7	1.5
18..	54.22	55.08	54.96	53.05	54.21	55.51	54.50	26	25.7	29	29.6	27.1	27.2	27.4	31.7	24.6	89	91	78	77	86	83	84	.8
19..	54.03	55.27	56.21	54.74	55.66	56.71	55.44	27.2	27	30.6	30	27.9	27.3	28.3	32	26.7	80	84	68	72	77	82	77.2	......
20..	55.47	56.43	57.25	55.69	57.17	57.96	56.66	27	27	30.2	29.1	26	24.6	27.3	32.2	24.6	84	90	74	81	92	95	86	3.9
21..	56.89	57.82	58.67	57.06	57.88	58.87	57.86	24.4	25.3	25.2	26.5	24.7	24.5	25.1	28.2	23.9	97	98	92	85	94	97	93.8	67.9
22..	58.13	58.67	59.36	58.16	59.06	59.89	58.88	24.4	24.7	29	29	26.5	27	26.8	30.4	23.9	97	97	78	78	88	88	87.7	.3
23..	58.90	59.60	60.75	59.05	59.36	60.32	59.66	26	26	29	28.6	27.9	25.3	27.1	30.6	24.8	92	92	80	80	84	95	87.2	.8
24..	59.41	59.76	60.51	58.39	58.75	59.96	59.46	25.1	24.2	29.6	28.6	25.2	24.4	26.2	30.7	24.2	98	98	67	78	93	97	88.5	......
25..	59.01	59.19	59.93	57.74	58.55	59.51	58.99	24	25.3	28.6	28.8	26	26.8	26.6	30.5	23.7	97	95	80	76	90	85	87.2	......
26..	59.01	59.21	59.94	58.09	58.80	59.26	59.05	25.2	24	29.2	30.1	28.1	27.8	27.4	31.2	23.6	92	98	76	72	84	89	85.2	......
27..	57.86	58.61	59.39	58.12	58.80	59.28	58.68	27.5	27.8	30	27	26.8	27.6	27.8	31.3	25.6	87	84	73	89	90	87	85	18.4
28..	58.89	58.43	58.96	57.28	57.76	58.83	58.36	25.6	25.6	29.5	29.4	27.6	28	27.6	30.6	25	90	90	75	79	84	82	83.3	1.5
29..	57.61	58.57	58.85	56.81	57.79	58.85	58.08	27.2	26.9	28.9	29.4	28.5	28.5	28.2	30.3	25.3	90	89	82	78	81	82	83.7	......
30..	57.54	58.35	58.94	57.03	57.39	58.34	57.93	28	28.3	29.5	29.6	28.9	27.3	28.6	30.9	26.8	88	83	76	77	79	85	81.3	9.6
31..	57.46	58.20	59.58	57.30	57.67	58.99	58.20	26.6	27.2	28.4	28.6	28.4	28	27.9	31.4	25.7	88	87	79	82	80	79	82.5	2.1
Mean	56.99	57.67	58.38	56.52	57.28	58.21	57.52	25.5	25.6	28.6	28.4	26.4	26	26.7	30.6	24.3	92.5	92.4	78.8	79.7	88.5	90.6	87.1	......
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	293.6

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction.		Amount.	Form and direction.	
															Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	W	1	SW	1	Calm	....	WSW	2	WSW	2	Calm	....	1	10	Ci.-S.	N.-cf. SW	10	Ci.-S.	Cu.-N. WSW
2..	WSW	2	Calm	....	WSW	2	SW	1	Calm	....	Calm	....	.8	10	Ci.-S.	Cu.-N. WSW	10	Ci.-S.	Cu.-N.
3..	Calm	....	WSW	1	WSW	1	WSW	2	WSW	1	Calm	....	.8	10	Ci.-S.	Cu.-N. WSW	10	Ci.-S.	Cu.-N. WSW
4..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	10	....	N. WSW	10	Ci.-S.	....
5..	Calm	....	Calm	....	SSW	1	Calm	....	Calm	....	Calm	....	.2	10	A.-Cu. SSW	Cu. WSW	9	Ci.-S. SE	Cu. WSW
6..	Calm	....	Calm	....	......	....	S	2	Calm	....	......	....	.5	6	Ci.-S.	Cu.-N. S	8	Ci.-S.	Cu.-N. SW
7..	......	....	Calm	....	S	1	SW	1	Calm	....	Calm	....	.4	10	Ci.-S.	Cu. WSW	8	Ci.-S.	Cu.-N. SW
8..	......	....	NNW	1	N	2	N	1	Calm	....	Calm	....	.8	10	Ci.-S.	....	10	Ci.-S.	Cu.-N.
9..	Calm	....	Calm	....	NNW	1	NW	1	Calm	....	Calm	....	.3	10	Ci.-S.	Cu.-N. NE	10	Ci.-S.	Cu.-N.
10..	Calm	....	Calm	....	E	1	NNE	1	Calm	....	SW	1	.5	10	Ci.-S.	Cu. SW	10	Ci.-S.	N. N
11..	Calm	....	Calm	....	SE	2	S	2	S	2	S	2	1.3	10	Ci.-S.	Cu. SW	8	A.-Cu. W	....
12..	S	2	SE	2	SE	2	Calm	....	SE	2	Calm	....	1.3	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
13..	Calm	....	Calm	....	SSE	2	SSE	2	Calm	....	Calm	....	.7	9	Ci.-S.	Cu-.N.SSE	10	Ci.-S.	Cu.-N.
14..	Calm	....	Calm	....	SE	2	Calm	....	Calm	....	Calm	....	.3	10	Ci.-S.	Cu. N	10	Ci.-S.	Cu.-N.
15..	Calm	....	Calm	....	N	1	NW	2	Calm	....	Calm	....	.5	10	Ci.-S.	....	10	Ci.-S.	Cu.-N. NNW
16..	Calm	....	Calm	....	NW	1	NW	2	Calm	....	Calm	....	.5	8	Ci.-Cu. NNE	Cu.-N. NW	10	Ci.-S.	Cu.-N. NW
17..	NW	2	NW	1	NW	2	NW	2	NW	2	NW	1	1.7	10	Ci.-S.	Cu. NW	10	Ci.-S.	Cu.-N. NW
18..	Calm	....	Calm	....	WNW	2	WNW	3	W	2	W	1	1.3	10	Ci.-S.	....	10	Ci.-S.	Cu. WNW
19..	W	2	W	2	W	2	W	2	W	2	W	1	1.8	10	Ci.-S.	Cu.-N. WNW	10	Ci.-S.	Cu.-N. W
20..	W	1	Calm	....	WSW	2	W	1	Calm	....	Calm	....	.7	8	....	Cu.-N. W	9	....	Cu.-N. W
21..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	10	Ci.-S.	Cu.-N. S	10	Ci.-S.	Cu.-N. NNW
22..	Calm	....	Calm	....	Calm	....	S	2	S	2	S	2	1	10	Ci.-S.	Cu.-N. SSW	8	A.-Cu. SE	Cu.-N. SSW
23..	S	2	SSE	2	SSE	2	SE	2	SE	1	Calm	....	1.5	8	....	Cu.-N. SSE	9	Ci.-S.	Cu.-N. SSE
24..	Calm	....	Calm	....	Calm	....	SE	2	Calm	....	Calm	....	.3	7	A.-Cu.	Cu.-N.	8	Ci.	Cu.-N. NNE
25..	Calm	....	Calm	....	NNE	2	N	2	Calm	....	N	2	1	10	Ci.-S.	Cu.-N. NE	10	Ci.-S.	Cu.-N. N
26..	Calm	....	Calm	....	E	2	E	2	E	2	E	2	1.3	3	Ci.	Cu. NE	6	....	Cu. ENE
27..	E	2	E	2	E	2	E	2	Calm	....	ENE	1	1.5	7	....	Cu. E	10	Ci.-S.	N. E
28..	E	4	E	2	ENE	2	E	2	NE	2	ENE	3	2.5	10	....	N.	10	A.-Cu.	Cu. E
29..	E	1	E	1	SE	2	SE	2	ENE	2	ESE	3	1.8	10	Ci.-S.	Cu.-N. E	9	Ci.	Cu. SE
30..	ESE	3	ESE	2	E	3	E	3	E	3	E	2	2.7	8	Ci.	Cu. ESE	7	Ci.-S.	Cu. E
31..	E	3	ENE	1	Calm	....	ENE	2	E	3	E	3	2	4	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu.-N. ENE
Mean	......	0.9	......	0.6	......	1.4	......	1.5	......	0.9	......	0.8	1	9	....	....	9.3	....	....

YAP, WESTERN CAROLINES

[φ=9° 29′ N; λ=138° 08′ E; barometer above sea, 3.36 meters; gravity correction not applied, —1.87 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.60	58.29	58.84	57.06	57.89	58.98	58.11	27.6	27.6	29.5	29.8	28.4	28.4	28.6	31.4	25.6	87	87	77	76	85	79	81.8	2.5
2..	57.66	58.15	58.24	56.64	58.24	58.71	57.94	27.4	27.3	29.6	30	28.5	28	28.5	31.2	25.5	89	88	78	75	76	84	81.7	....
3..	57.62	58.41	58.79	57.07	58.19	59.35	58.24	27.1	28.2	29.1	28.5	27.8	27.5	28	30.2	26	88	83	80	83	84	84	83.7	1.1
4..	58.01	58.85	58.88	57.05	58.12	58.54	58.24	26.8	27.9	29.4	29.5	28.4	28.1	28.4	30.8	26.1	85	81	78	77	81	81	80.5	31.5
5..	57.36	57.61	58.44	56.21	57.76	58.36	57.62	24	25.5	29	27.6	26.3	27	26.6	30.7	23.6	97	93	74	84	97	88	88.8	83.1
6..	57.17	57.21	58.17	55.74	57.67	58.78	57.46	24.2	24.2	28	28.2	25.7	26.1	26.1	29.7	23.5	98	98	79	76	94	94	89.8	4.3
7..	57.18	58.64	59.11	57.61	58.54	59.19	58.38	25.5	24.9	25.5	27	24.2	24.6	25.3	30.7	23.6	92	98	94	83	97	95	93.2	42.4
8..	57.79	58.56	58.84	57	57.53	58.43	58.02	23.8	23.8	27.5	29.1	24.7	24.3	25.5	30.7	23.4	98	98	90	76	94	97	92.2	2.3
9..	57.08	57.61	58.21	56.79	57.58	58.11	57.56	24.8	27	28.8	27.8	25	24.8	26.4	30.2	24	98	90	80	79	97	96	90	....
10..	57.18	57.58	57.58	55.44	56.96	57.40	57.02	24.1	23.9	30	29.7	26.5	24.6	26.5	31.7	23.6	98	97	75	72	88	97	87.8	....
11..	56.58	56.63	57.18	55.86	57.22	57.32	56.80	25	26.5	30	30.3	24.5	24.8	26.8	31.4	24	96	88	71	73	95	98	86.8	3.3
12..	56.87	57.50	57.98	56.39	57.94	58.26	57.49	24.6	24.7	29	29.6	26.3	24.9	26.5	31.6	24	98	98	78	74	94	98	90	....
13..	57.41	58.10	58.85	56.98	58.09	58.84	58.04	25	24.5	30	27.8	25.3	25.1	26.3	31.8	24.1	98	98	76	84	96	96	91.3	.3
14..	58.29	58.91	59.16	57.34	57.82	58.49	58.34	24.2	24.5	28.7	27.5	25	24.5	25.7	29.9	24	98	98	80	83	96	98	92.2	25.9
15..	57.99	58.27	58.94	56.33	57.30	57.99	57.80	26.4	24.7	27.4	29.5	25.5	24.6	26.4	30.8	23.8	90	98	78	77	96	98	89.5	1.4
16..	57.01	57.39	57.94	56.54	57.35	58.36	57.43	24.9	25.3	29.1	29.4	28.5	28	27.5	30.1	24	96	97	78	74	85	83	85.5	.8
17..	57.20	57.76	58.54	56.70	57.74	58.36	57.72	27	26.9	29.5	30	27.2	27.6	28	31.2	24.5	84	89	76	71	90	84	82.3	2.3
18..	57.41	58.17	58.31	56.54	57.37	58.14	57.66	26	25.6	29.4	28.7	26.7	25	26.9	31.3	24.3	92	94	75	77	87	96	86.8	4.3
19..	56.81	57.68	57.55	54.89	56.11	56.89	56.66	25.2	23.5	28.2	29	27	27.5	26.7	30.5	23.2	88	96	76	74	81	79	82.3	4.6
20..	54.96	54.53	55.63	53.75	54.48	56.03	54.90	27	27.5	27.9	28.5	24.2	24.1	26.5	30.6	23.7	78	78	74	69	90	94	80.5	....
21..	54.53	55.68	56.95	55.70	56.67	57.63	56.19	25.7	26	31	29.6	26.1	25.4	27.3	32.6	23.7	93	94	71	77	91	95	86.8	....
22..	56.75	57.50	58.15	55.88	56.96	57.75	57.16	24.6	24.5	27.9	28.5	25	24.5	25.8	31.7	24.1	97	97	82	81	96	97	91.7	23.4
23..	56.85	57.54	57.84	56.78	57.46	58.83	57.55	24.7	23.6	30	29	25.7	24.6	26.3	31.6	23.2	98	98	73	72	93	98	88.7	....
24..	57.51	57.87	58.28	56.79	57.32	57.84	57.60	24.3	24.4	29	29.4	28	28.2	27.2	31.7	23.7	97	97	75	76	84	83	85.3	1.8
25..	56.87	57.77	58.46	57.17	57.84	58.64	57.79	26.5	28.1	27.1	28.1	28.1	28	27.6	30	25.1	91	82	90	88	82	85	86.3	3.5
26..	57.96	58.36	58.61	56.89	57.92	58.75	58.08	28.2	28.2	29.4	29.5	28.1	27.9	28.6	30.5	25.6	82	82	76	78	80	82	80	....
27..	57.99	58.67	58.85	57.32	58.09	58.26	58.20	27.5	27.3	29.5	29.2	28.1	28	28.3	31.7	27	84	84	78	80	84	81	81.8	....
28..	57.41	58.15	58.51	56.84	57.60	58.52	57.84	27.5	27.5	29.8	29.3	28	27.6	28.3	31	25.3	83	83	74	73	82	92	81.2	....
29..	57.60	58.06	59.11	56.64	57.65	58.46	57.92	27.5	27.5	29.2	29	28	27.5	28.1	30.3	27	81	81	73	71	79	84	78.2	....
30..	57.22	58.06	58.98	56.01	57.54	58.44	57.71	27.2	24.8	29	28.5	26.5	27.4	27.2	30.5	24	84	94	68	83	91	85	84.2	18.3
Mean	57.20	57.78	58.30	56.46	57.50	58.26	57.58	25.8	25.9	28.9	28.9	26.6	26.3	27.1	30.9	24.4	91.3	91.3	77.6	77.2	88.8	90	86	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	257.1

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	E	2	E	2	ENE	2	ENE	3	ENE	3	E	3	2.5	5	A.-Cu.	Cu. E	7	Ci.-S.	Cu.-N. E
2..	E	2	E	2	E	3	ESE	3	ESE	2	E	2	2.3	10	Ci.-S.	Cu.-N. E	8	Ci.-S.	Cu. E
3..	E	2	ESE	3	ESE	3	ENE	2	ESE	2	ESE	3	2.5	10	Ci.-S.	Cu.-N. ESE	8	Ci.-S.	Cu.-N. ENE
4..	ENE	3	E	3	E	3	E	3	E	2	E	2	2.7	2	Ci.-S	Cu. E	6	....	Cu. E
5..	Calm	....	ENE	2	E	3	E	3	E	3	ESE	3	2.3	10	....	N.	10	A.-S.	Cu.-N. ESE
6..	Calm	....	Calm	....	ENE	3	E	3	Calm	....	ESE	2	1.3	10	Ci.-S.	N. E	10	Ci.-S.	Fr.-Cu. E
7..	ESE	1	Calm	....	N	2	E	2	N	1	Calm	....	1	10	A.-Cu. ESE	Cu.-N.	10	Ci.-S.	Cu.-N. E
8..	Calm	....	Calm	....	WSW	1	WSW	1	Calm	....	Calm	....	.3	6	Ci.	Cu. NNE	9	Ci.-S. N	Cu.-N. WSW
9..	Calm	....	ESE	2	ESE	2	ESE	2	Calm	....	Calm	....	1	5	Ci.	Cu. ESE	7	Ci.-S.	Cu.-N. ESE
10..	Calm	....	Calm	....	SSW	1	SSE	2	Calm	....	Calm	....	.5	7	Ci. NE	Cu.	8	Ci.-S.	Cu.-N. SW
11..	Calm	....	S	2	S	2	S	2	Calm	....	Calm	....	1	7	A.-Cu.	Cu. S	8	Ci.	Cu.-N. SSW
12..	Calm	....	Calm	....	SSE	2	S	1	Calm	....	Calm	....	.5	3	Ci.	Cu. SW	7	....	Cu. S
13..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	2	....	Cu. S	8	....	Cu.-N. NNW
14..	Calm	....	Calm	....	ESE	1	Calm	....	Calm	....	Calm	....	.2	3	....	Cu.-N. N	10	Ci.-S.	Cu.-N. N
15..	SSW	1	Calm	....	NW	1	Calm	....	Calm	....	Calm	....	.3	9	Ci.-S.	Cu.-N. SE	9	Ci.-S. E	Cu.-N. NE
16..	Calm	....	Calm	....	SE	2	SE	2	SE	2	SE	2	1.3	5	Ci.	Cu.-N. ESE	5	....	Cu. SE
17..	SE	2	Calm	....	ESE	2	ESE	2	Calm	....	Calm	....	1	7	Ci.	Cu. ESE	6	Ci.	Cu. ESE
18..	Calm	....	Calm	....	NNE	2	NNE	3	Calm	....	Calm	....	.8	10	Ci.-S.	Cu.-N. N	9	Ci.-S.	Cu.-N. NNE
19..	Calm	....	Calm	....	Calm	....	NNE	2	Calm	....	N	1	.5	9	Ci.-S.	Cu.-N. NE	10	Ci.-S.	Cu.-N. NE
20..	NW	1	NW	2	NNW	2	NW	2	Calm	....	Calm	....	1.2	10	Ci.-S.	Cu. NW	10	Ci.-S.	Fr.-Cu. NW
21..	Calm	....	Calm	....	SW	2	SW	2	Calm	....	Calm	....	.7	7	....	Cu.-N. NW	10	Ci.-S.	Cu.-N. WSW
22..	Calm	....	Calm	....	Calm	....	ENE	1	Calm	....	Calm	....	.2	9	Ci.-S. SE	Cu.-N.	9	Ci.-S.	Cu.-N. ENE
23..	Calm	....	Calm	....	Calm	....	E	1	Calm	....	Calm	....	.2	3	Ci.	Cu.-N. N	8	Ci.	Cu.-N. ESE
24..	Calm	....	Calm	....	E	2	E	1	SE	2	SE	2	1.2	6	Ci.-S. ESE	Cu. ENE	9	Ci.-S. SE	Cu.-N. E
25..	SE	1	SE	2	Calm	....	SE	1	E	3	E	3	1.7	7	Ci.-S. SSW	Cu.	9	Ci.-S.	Cu.-N. SE
26..	ESE	3	ESE	3	E	3	E	3	E	3	E	3	3	5	Ci.	Cu. ESE	7	....	Cu. E
27..	E	2	E	2	ENE	3	ENE	2	ENE	2	ENE	3	2.3	6	Ci.	Cu. E	8	Ci.-S.	Cu.-N. ENE
28..	ENE	2	ENE	2	ENE	2	ENE	2	ENE	2	ENE	2	2	7	Ci.-S.	Cu.-N. ENE	7	Ci.	Cu. ENE
29..	ENE	2	ENE	2	ENE	3	ENE	3	ENE	2	ENE	2	2.3	10	Ci.-S.	Cu. ENE	10	Ci.-S.	....
30..	E	1	Calm	....	ENE	2	NE	3	ENE	3	E	3	2	10	Ci.-S.	Fr.-Cu. E	10	Ci.-S.	Cu. ENE
Mean	......	0.8	......	1	......	1.8	......	1.9	......	1.1	......	1.2	1.3	7	....	....	8.4	....	....

YAP, WESTERN CAROLINES

[φ=9° 29′ N; λ=138° 08′ E; barometer above sea, 3.36 meters; gravity correction not applied, —1.87 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	56.76	57.62	58.13	55.39	56.31	57.59	56.97	27.8	26.6	25.9	28.6	28.4	28.2	27.6	30.4	23	83	86	89	82	80	83	83.8	13.7
2..	56.72	58.80	58.64	56.82	57.29	58.12	57.73	26.8	26.4	26.8	27.7	28	27.5	27.2	28.8	24	88	87	83	79	80	85	83.7	2.3
3..	57.37	58.23	59.05	57.44	58.11	59.16	58.23	26.5	27.1	28.8	29.2	27.5	28	27.8	30.2	26	88	83	78	75	85	80	81.5	1.3
4..	57.69	58.20	59.16	56.97	57.56	58.79	58.06	27.5	27.6	28.7	28.5	28	27	27.9	29.9	25.5	87	84	80	80	81	88	83.3	1.8
5..	57.56	58.08	59	57.11	57.61	58.12	57.91	26.5	26.5	29	29.9	27.5	27.3	27.8	31.2	25.7	90	90	78	74	85	87	84	1.8
6	57.45	57.66	58.66	56.86	57.54	58.66	57.80	27.5	26.9	28.6	29.2	28	27.6	28	30.7	26	82	90	80	80	85	81	83	.3
7..	57.78	58.49	59.53	57.04	57.39	58.54	58.13	24.9	25.6	28.6	28.5	27.5	27.5	27.1	30.4	24.6	93	92	79	81	84	88	86.2	6.8
8..	57.24	57.60	58.51	56.91	57.61	58.35	57.70	26.5	27.6	29	29.3	27.5	27.4	27.9	30.5	25.4	93	87	74	72	80	80	81	.8
9..	57.53	57.83	58.66	56.61	57.47	58.56	57.78	26.6	27	27.6	26	27.6	27.1	27	30.6	25.6	83	80	80	91	79	79	82	6.4
10..	57.38	58.18	58.68	56.84	57.96	58.57	57.94	25.3	25.6	29	28.3	27.6	27.4	27.2	30.7	24.5	89	91	74	80	84	81	83.2	4.9
11..	57.82	58.26	58.65	57.19	58.35	58.64	58.15	27.2	26.7	29.3	29.3	27.7	26.8	27.8	30.7	26.2	79	84	74	74	79	86	79.3	....
12..	57.58	57.99	58.74	56.39	57.81	58.23	57.79	26.2	26	28.2	29.1	26.9	24	26.7	30.4	23.8	82	82	66	62	70	89	75.2	....
13..	57.12	57.36	57.89	56.20	56.87	57.21	57.11	27	26.8	28.9	29	26.4	24.5	27.1	31	23.4	74	74	63	64	87	94	76	....
14..	55.98	56.61	57.33	55.31	56.05	56.99	56.38	23.2	23.6	26.1	27	24.3	24.6	24.8	29.4	22.5	98	96	89	83	96	88	91.7	3.8
15..	56.23	57.15	57.55	56.27	57.32	58.63	57.19	24.9	23.4	28.5	28.7	27	26	26.4	30.9	23	89	92	71	75	88	92	84.5	.6
16..	57.39	57.96	58.41	57.13	57.76	58.76	57.90	24	25.2	28.1	28.1	26	25.8	26.2	30	23.4	96	89	73	71	90	93	85.3	7.1
17..	57.83	58.13	58.86	57.34	58.37	59.56	58.35	25.6	26.9	28.5	28.5	28	27.5	27.5	30.1	24.7	95	83	75	78	76	76	80.5	.3
18..	58.92	59.46	59.94	58.06	59.08	59.62	59.18	26.6	24.5	29.4	29.1	27.5	27	27.4	31	24	83	95	75	76	87	84	83.3	3.8
19..	58.78	59.01	60.31	57.89	59.06	60.71	59.29	26.3	27.2	28.2	27.7	26.2	25.8	26.9	30.1	23.6	93	83	76	79	79	93	83.8	42.4
20..	58.94	59.59	60.06	59.72	59.41	60.70	59.74	24.5	25.4	25.7	25.1	26	26	25.4	27.7	22.4	96	92	88	95	90	89	91.7	18
21..	59.94	60.54	61.21	59.74	59.87	60.36	60.28	26.4	26	26.8	27.3	27.2	27.4	26.8	29.2	24.1	82	85	86	80	81	80	82.3	21.1
22..	59.56	59.56	60.18	58.39	59.07	59.51	59.38	25.2	25	28.5	28.5	27.1	27.2	26.9	30.2	24	94	92	78	78	84	81	84.5	....
23..	58.48	59.05	60.29	57.74	58.41	59.87	58.97	26	26.4	25.2	28.5	27.4	25.5	26.5	31.2	24	88	87	94	83	84	92	88	21.3
24..	58.38	58.68	59.56	57.62	58.32	59.57	58.69	27.5	27	27.2	28	27.7	27.4	27.5	29.7	24	84	80	86	80	83	81	82.3	4
25..	58.90	58.86	59.30	57.60	58.89	59.86	58.90	27.3	27.5	28.9	28.5	28	26.5	27.8	29.8	24.5	82	78	77	78	77	88	80	....
26..	59	59.72	60.54	58.09	58.99	59.04	59.23	24.5	25.1	29.5	29.7	27.6	27.1	27.2	31.2	24.4	96	95	75	75	86	88	85.8	7.4
27..	58.53	59.34	59.71	58.11	59.37	59.84	59.15	25.8	26.7	28.9	28.9	27	26.8	27.4	30.7	25.4	93	84	75	73	84	90	83.2	1.3
28..	58.47	58.96	59.31	57.55	58.46	58.80	58.59	26.7	26.9	28.6	29.3	27.5	26.9	27.6	30.5	25.4	86	85	77	76	86	86	82.7	....
29..	57.86	58.12	58.78	57.14	57.84	58.66	58.07	27.5	27	28.2	28.5	27.5	27	27.6	30	25.9	85	86	81	79	84	77	82	....
30..	57.89	58.56	59.28	58.07	59.29	60.11	58.87	25.9	26	28.3	28.9	27.4	27	27.2	30.2	24.8	85	86	69	73	74	77	77.3	....
31..	58.70	59.05	60.19	58.12	58.96	59.16	59.03	27	26.1	28.1	28.1	26.9	27.5	27.3	29.7	24.4	80	85	74	82	84	81	81	2.6
Mean	57.93	58.47	59.16	57.34	58.14	58.98	58.34	26.2	26.2	28.1	28.4	27.3	26.8	27.1	30.2	24.5	87.6	86.5	78	77.7	83	85.1	83	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	173.8

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	E	4	E	3	E	4	E	4	E	4	E	4	3.8	10	Ci.-S.	Cu. E	10	Ci.-S.	Cu.-N. E
2..	E	4	E	3	E	4	SE	3	E	4	E	3	3.5	10	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu.-N. SE
3..	E	5	E	2	E	3	E	3	E	3	E	3	3.2	10	Ci.	Cu.-N. E	9	Ci.	Cu. E
4..	SSE	3	ESE	3	E	3	E	3	E	3	ESE	3	3	9	Ci.-S.	Cu.-N. ESE	10	Ci.-S.	Cu.-N. E
5..	E	2	E	2	ENE	2	E	2	E	2	ENE	1	1.8	9	Ci.-S.	Cu. E	8	Ci.-S.	Cu. E
6..	E	3	ENE	2	E	3	E	2	E	2	E	1	2.2	9	Ci.	Cu.-N. E	7	Ci.	Cu. E
7..	Calm	....	N	1	E	2	ESE	1	ENE	2	ENE	2	1.3	8	A.-Cu. ENE	Cu.	5	Ci.	Cu.-N. ESE
8..	ENE	1	E	3	ENE	3	ENE	3	E	2	E	2	2.3	9	Ci.	Cu. E	7	Ci.	Cu. EbyN
9..	E	1	E	2	E	2	NNE	2	ENE	2	ENE	2	1.8	10	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	Cu.-N. E
10..	Calm	....	NE	2	NE	2	NE	2	NE	2	NE	3	1.8	10	Ci.-S.	Cu.-N. ENE	8	Ci.-Cu.	Cu.-N. ENE
11..	E	2	ENE	2	ENE	2	ENE	2	ENE	2	ENE	2	2	5	Ci.	Cu. E	6	Ci.	Cu. ENE
12..	E	2	ENE	1	ENE	2	E	2	E	2	Calm	....	1.5	4	Ci.	Fr.-Cu. E	4	Ci.	Fr.-Cu. E
13..	ESE	2	ESE	2	Calm	....	ENE	2	Calm	....	Calm	....	1	5	Ci.	Cu. ESE	5	Ci.	Cu. ENE
14..	Calm	....	Calm	....	ESE	1	ESE	1	Calm	....	Calm	....	.3	7	Ci.	Cu.-N. ENE	6	Ci.-S.	Cu.-N. NNE
15..	Calm	....	Calm	....	ENE	1	ENE	1	ENE	1	Calm	....	.5	1	Ci.	Fr.-Cu. E	10	Ci.-S.	Cu.-N. ENE
16..	Calm	....	NbyE	1	NE	2	NNE	2	NNE	1	N	2	1.3	6	Ci.	Cu. NE	8	Ci.	Cu. NNE
17..	NNE	1	ENE	2	E	2	E	3	ESE	3	E	2	2.2	7	Ci.	Cu. EbyN	7	Ci.	Cu. E
18..	ENE	2	Calm	....	ENE	2	ENE	2	ENE	2	ENE	3	1.8	5	Ci.	Cu. ENE	8	....	Cu.-N. ENE
19..	ENE	2	NE	3	NE	3	ENE	3	NE	4	NE	3	3	10	....	Cu.-N. ENE	10	Ci.-S.	Cu.-N. ENE
20..	NE	2	ENE	3	NE	4	NE	3	NE	3	NE	3	3	10	Ci.-S.	Cu.-N. ENE	10	....	N. ENE
21..	ENE	3	ENE	3	ENE	3	NE	3	NE	2	NE	2	2.7	10	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	Cu.-N. NE
22..	NE	2	ENE	2	ENE	2	ENE	2	ENE	2	ENE	2	2	9	Ci.-S.	Cu.-N. E	8	....	Cu. E
23..	Calm	....	ENE	1	Calm	....	E	1	E	1	ESE	2	.8	10	Ci.-S.	Cu.-N. E	8	Ci.-S. SE	Cu.-N. E
24..	E	3	ESE	3	ESE	3	ESE	3	ESE	3	ESE	3	3	10	Ci.-S.	Cu.-N. ESE	10	Ci.-S.	Cu.-N. ESE
25..	E	2	ESE	3	ESE	2	ESE	2	E	2	E	2	2.2	10	Ci.-S.	Cu. ESE	8	Ci.-S.	Cu. ESE
26..	Calm	....	Calm	....	EbyN	2	ENE	2	ENE	2	Calm	....	1	4	....	Cu. E	6	Ci.	Cu. ENE
27..	Calm	....	E	2	E	2	E	2	E	3	ENE	2	1.8	5	Ci.	Cu. E	9	Ci.-S.	Cu.-N. E
28..	ENE	2	ENE	2	ENE	3	ENE	2	EbyN	2	E	3	2.3	4	Ci.	Cu. ENE	8	Ci.	Cu. ENE
29..	E	3	ENE	3	E	3	E	2	E	2	E	2	2.5	10	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu. EbyN
30..	Calm	....	ENE	2	ENE	3	E	3	ENE	2	ENE	3	2.2	5	....	Cu. EbyN	5	Ci.	Cu. E
31..	NE	2	NE	3	NE	3	NE	3	ENE	4	ENE	3	3	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu.-N. ENE
Mean	......	1.7	......	2	......	2.4		2.3	......	2.2	......	2	2.1	7.8	....	....	8.1	....	....

TAGBILARAN

[ϕ=9° 38′ N; λ=123° 51′ E; barometer above sea, 21.3 meters; gravity correction not applied, —1.86 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.09	60.60	61.12	59.22	59.85	60.62	60.25	22	23	30	26.4	26.1	24.8	25.4	30.7	21.3	95	93	70	88	90	93	88.2	2.5
2..	59.43	60.14	60.78	58.94	59.60	60.74	59.94	24.3	23.9	28.9	30	27	24.9	26.5	31.8	22.9	94	94	71	73	83	91	84.3	1.8
3..	60.21	60.85	61.62	59.46	60.02	61.02	60.53	24.2	23.3	30.4	31.7	27.5	25	27	32.2	22.5	92	96	68	64	73	87	80	......
4..	60.46	60.93	62.18	59.92	60.47	61.39	60.89	23.6	23.2	28.4	31	26.6	24.5	26.2	32.5	22.2	90	93	67	64	80	78	78.7	......
5..	61.12	61.15	62.18	60.66	61.24	62.79	61.52	22.2	23	30.4	25.2	25.8	23.9	25.1	30.5	21.4	89	86	61	92	84	89	83.5	7.2
6..	62.23	62.68	63.42	61.14	61.97	63.06	62.42	23.1	21.7	28.1	31	26.3	24	25.7	31	21.1	92	96	70	55	68	86	77.8	......
7..	61.54	61.67	62.32	60.25	61.14	62.54	61.58	23.7	23.3	28	29.1	25.9	23.8	25.6	30.1	22.3	91	95	74	72	82	91	84.2	......
8..	61.74	61.79	61.86	59.43	60.35	61.32	61.08	22	22.2	29.9	31.7	26.6	23.2	25.9	32	20.6	97	96	57	47	64	80	73.5	......
9..	60.14	60.56	61.23	58.93	59.12	60.43	60.07	21.8	21.3	28.7	29.6	26.1	23.4	25.2	30.7	20.3	89	93	61	65	76	86	78.3	......
10..	59.47	59.74	60.57	58.83	59.31	60.09	59.67	22.8	21.9	27.5	27.8	23.9	22.5	24.4	29.7	21	90	96	76	70	95	97	87.3	6.1
11..	58.79	59.32	60.13	58.49	58.77	59.99	59.25	22	21.4	28.2	28.5	25.8	23.2	24.8	29.7	20.3	96	96	72	76	87	93	86.7	.3
12..	59.51	59.71	61.02	58.90	58.98	60.61	59.79	22.4	22.2	29.4	29.4	25.6	22.5	25.2	30.7	21.1	94	95	64	70	85	96	84	......
13..	59.90	60.10	61.36	59.52	59.74	60.83	60.24	21.3	20.7	29.4	27.7	25.3	23	24.6	30	20	95	96	62	75	84	91	83.8	......
14..	60.54	61.62	63.17	61.03	61.39	62.77	61.75	22.5	20	28.6	29.4	25	20.1	24.3	31.3	19.5	94	98	81	62	74	91	83.3	......
15..	62.23	62.39	63.20	61.08	61.07	62.34	62.05	18.2	20	28.6	28.7	24.9	21.7	23.7	30	17	92	89	59	64	82	88	79	......
16..	61.68	61.55	62.67	61.29	61.57	62.62	61.90	21.3	21.7	26.7	24	24	22.9	23.4	26.7	19.6	91	89	72	91	95	89	87.8	13.3
17..	61.68	61.87	62.86	61.36	62.30	63.53	62.27	23.4	23.4	28.6	27.9	24.7	23.7	25.3	29.2	22.2	86	87	63	67	82	89	79	.3
18..	62.55	62.89	63.87	61.67	62.34	63.47	62.80	23.3	22.9	27.5	30	25.6	22.6	25.3	31.2	20.1	90	92	62	53	69	83	74.8	......
19..	62.85	62.97	63.66	61.28	62.77	64.17	62.95	21.5	21.6	28.9	30.3	26.5	22.5	25.2	31.1	19.5	90	89	58	61	68	82	74.7	......
20..	62.95	62.93	63.39	61.06	61.26	62.77	62.39	20.6	19.4	28	29	25.2	22	24	30.2	18.3	85	89	59	60	70	88	75.2	......
21..	61.75	62.14	63.25	60.92	61.52	62.95	62.09	22.1	23.3	26.5	26.1	25	23.4	24.4	27.6	21.2	90	90	76	77	83	93	84.8	1
22..	61.73	61.89	62.49	60.37	60.88	62.16	61.59	23.2	21.5	28.7	29.5	26.5	25.7	25.8	30.6	21	94	96	64	58	68	74	75.7	......
23..	61.18	61.20	62.23	60.31	60.71	61.92	61.26	23.2	22.8	27	26.1	25.2	23.8	24.7	28.2	22.2	90	91	76	86	83	95	86.8	2.6
24..	60.35	60.47	61.72	59.63	60.08	60.83	60.51	23.3	23.2	24.4	25.9	25	24	24.3	28	22.5	96	97	91	91	92	94	93.5	5.9
25..	59.85	60.45	61.68	59.43	59.84	60.94	60.36	22.9	22.5	28.2	28.1	26.3	24.9	25.5	30.2	21.8	95	96	80	79	88	86	87.3	.1
26..	60.32	60.79	62.07	59.69	60.49	61.63	60.83	23.5	22.1	29.8	30	25.8	23.1	25.7	31.1	21.4	89	96	56	56	71	73	73.5	......
27..	60.67	60.74	61.68	59.35	60.05	61.93	60.74	21.7	21.5	28.6	31.1	25.7	24.2	25.5	31.2	20.8	83	85	58	46	67	75	69	......
28..	60.70	61.07	62.24	59.40	60.31	61.05	60.80	22.4	21.7	29.6	31.6	25.5	20.7	25.2	32.2	20.1	87	91	53	40	69	87	71.2	......
29..	60.15	60.95	61.98	59.82	60.69	61.47	60.84	21.9	21.7	30.2	29.1	26	23.8	25.4	31.1	20.3	91	92	54	60	78	81	76	......
30..	60.54	61.29	62.03	59.77	60.33	61.51	60.91	24	23.5	27.3	29.5	26.6	25	26	29.5	22.8	81	90	76	69	79	82	79.5	.3
31..	60.97	61.52	62.19	60.15	60.40	61.88	61.18	24.6	23.4	27.5	27.5	25	21.3	24.9	29.8	20.3	85	93	73	76	88	95	85	......
Mean	60.88	61.22	62.13	60.04	60.60	61.79	61.11	22.5	22.2	28.5	28.8	25.7	23.4	25.2	30.3	20.9	90.7	92.7	67.2	68	79.3	87.2	80.9	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	41.4

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	Calm	....	Calm	....	SE	1	NW	1	Calm	....	N	1	0.5	10	Ci.-S. ENE	N.	10	....	N.
2..	Calm	....	Calm	....	SE	2	SE	2	Calm	....	Calm	....	.7	10	Ci.-S.	Cu.	9	....	Cu.-N. ENE
3..	Calm	....	Calm	....	SE	1	SE	2	Calm	....	NNE	1	.7	8	Ci.-S.	Cu.	7	Ci.-S.	Cu. ENE
4..	Calm	....	Calm	....	NE	1	S	2	Calm	....	NNE	2	.8	5	Ci.-S.	Cu.	5	....	Cu. E
5..	NNE	2	NNE	2	NNE	3	NNE	1	Calm	....	NNE	1	1.5	3	Ci.-S.	....	9	A.-Cu.	N. ENE
6..	NNE	1	Calm	....	NNE	1	NE	1	Calm	....	Calm	....	.5	10	Ci.	....	9	Ci.-S.	Cu. ENE
7..	Calm	....	Calm	....	NE	3	NE	3	NNE	1	Calm	....	1.2	4	A.-Cu. ENE	Cu. ENE	9	A.-Cu.	Cu. ENE
8..	Calm	....	Calm	....	ESE	1	NE	3	NE	1	NE	1	1	9	A.-Cu.	....	7	Ci.	Cu. E
9..	NNE	1	NE	1	NE	2	NW	1	Calm	....	Calm	....	.8	2	Ci.	....	2	....	Cu. ENE
10..	Calm	....	Calm	....	NW	1	SE	2	Calm	....	Calm	....	.5	7	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N. NE
11..	Calm	....	Calm	....	Calm	....	SE	1	Calm	....	Calm	....	.2	2	Ci.	Cu.	9	....	Cu.-N. NE
12..	Calm	....	Calm	....	Calm	....	ESE	2	Calm	....	Calm	....	.3	9	Ci.-S.	Cu.	7	Ci. NE	Cu. SW
13..	Calm	....	Calm	....	E	1	SE	1	Calm	....	Calm	....	.3	7	Ci.	Cu.	8	Ci.	Cu. WSW
14..	Calm	....	Calm	....	NNE	3	SE	3	Calm	....	Calm	....	1	2	Ci.-S.	....	3	....	Cu. NE
15..	Calm	....	Calm	....	NE	2	SE	2	Calm	....	Calm	....	.7	0	....	....	2	Ci.-S.	Cu.
16..	Calm	....	Calm	....	NE	1	Calm	....	Calm	....	NNE	1	.3	1	Ci.	Cu.	10	....	N.
17..	ENE	1	Calm	....	NE	3	Calm	....	NNE	1	NNE	1	1	10	A.-Cu.	Cu.-N. E	10	Ci.-S.	Cu.-N. NE
18..	Calm	....	Calm	....	E	3	NNE	2	N	1	Calm	....	1	9	A.-Cu. E	....	7	....	Cu. E
19..	N	1	Calm	....	NNE	3	SE	2	NE	1	Calm	....	1.2	9	A.-Cu. E	Cu.	7	....	Cu. ENE
20..	NE	1	Calm	....	NE	2	NNE	3	Calm	....	Calm	....	1	2	Ci.-S.	Cu.	8	....	Cu. NE
21..	Calm	....	Calm	....	N	2	N	1	Calm	....	Calm	....	.5	10	Ci.-S.	Cu.-N. NE	10	Ci.-S.	N. E
22..	Calm	....	Calm	....	NE	3	N	2	N	1	N	2	1.3	5	Ci.	Cu.	9	Ci.-S. E	Cu. NE
23..	Calm	....	Calm	....	NNE	2	NNE	1	NNE	1	Calm	....	.7	10	Ci.-S.	Cu.-N.	10	Ci.-S.	N. ENE
24..	Calm	....	Calm	....	N	2	Calm	....	N	1	N	1	.7	10	....	N.	10	....	N. ENE
25..	NNE	1	Calm	....	Calm	....	S	1	Calm	....	NNE	2	.7	7	Ci.-S.	Cu. E	9	....	Cu. ENE
26..	NE	1	Calm	....	NE	3	NNE	3	N	3	NE	3	2.2	0	Ci.	....	3	....	Cu. ENE
27..	NE	3	NNE	2	N	4	N	3	NNE	1	Calm	....	2.2	1	Ci.	....	7	....	Cu. E
28..	Calm	....	Calm	....	NNE	3	NNE	2	ENE	1	Calm	....	1	1	Ci.	Cu.	6	A.-Cu. SE	Cu.
29..	Calm	....	Calm	....	NE	3	NNE	3	N	1	N	1	1.3	3	A.-Cu. E	....	10	....	Cu. E
30..	NNE	2	Calm	....	N	1	SE	1	Calm	....	NE	2	1	9	A.-Cu. E	Cu.	6	....	Cu. SSE
31..	NE	1	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	.2	10	Ci.-S.	Cu.-N. ENE	10	....	Cu. E
Mean	......	0.5	......	0.2	......	1.8	......	1.6	......	0.5	......	0.6	0.9	6	....	....	7.7	....	....

TAGBILARAN

[ϕ=9° 38′ N; λ=123° 51′ E; barometer above sea, 21.3 meters; gravity correction not applied, —1.74 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.12	61.70	62.56	60.38	60.68	61.64	61.35	21.6	20.6	28.9	29.5	26.1	23.5	25	30.8	19.4	92	95	60	62	78	85	78.7	....
2..	61.32	62.04	62.62	60.72	61.78	62.32	61.80	22.9	23.2	26.8	27.9	25.9	23.9	25.1	30.5	22	89	87	80	69	84	90	83.2	1.6
3..	61.90	63.10	63.17	60.91	61.83	62.26	62.20	23.8	22.5	26.6	30.3	27	24.4	25.8	30.7	21.9	91	95	80	64	72	82	80.7	.1
4..	61.97	62.92	63.56	61.13	62.67	63.27	62.59	23.3	23.6	25.8	30.5	27.4	23.5	25.7	30.9	21.9	80	78	76	58	63	90	74.2	....
5..	62.85	63.63	63.72	61.32	63.23	64.06	63.14	22.1	22.5	29	31.3	26.6	24.3	26	31.7	20.6	92	89	60	50	67	81	73.2	1
6..	63.58	64.28	64.47	61.66	63.03	63.47	63.42	24.1	22.4	30.2	32	27	23.1	26.5	32.7	21.5	82	91	54	48	55	84	69	....
7..	62.94	63.98	64.36	61.45	62.76	63.18	63.11	21.9	21.3	29.6	32.8	27.9	24.4	26.3	33.3	20.6	88	91	59	43	60	81	70.3	....
8..	61.98	63.24	63.46	61.21	62.32	63	62.54	22.6	23.5	31	29.5	26.6	22.2	25.9	31.9	20.2	92	87	56	69	80	91	79.2	2
9..	61.68	62.56	63.18	61.26	61.93	63.22	62.30	20.8	20.3	30.5	29.4	27	23.5	25.2	32.7	19	93	95	52	52	68	79	73.2	....
10..	61.69	61.95	62.88	60.62	60.78	62.16	61.68	23	21	29	30.1	27.1	24.6	25.8	30.2	20.4	81	94	61	63	65	84	74.7	....
11..	61.43	62.30	63.42	60.77	61.64	62.61	62.03	23.8	23.1	26.1	25.4	24.9	24.5	24.6	27.8	22.5	90	94	85	90	93	94	91	13.5
12..	61.59	61.75	62.38	59.81	60.43	61.83	61.30	23.7	23.4	29.2	32	28	25.8	27	32	22.8	94	94	65	50	59	79	73.5	....
13..	60.74	61.14	62.27	59.88	60.09	61.63	60.96	25.1	23.6	28	30.4	27	24	26.4	30.8	22.4	83	89	66	64	61	80	73.8	....
14..	61.18	61.42	62.03	59.99	60.54	61.69	61.14	22.4	21.6	30.1	29	26.9	24.1	25.7	31.1	20.5	88	93	56	70	72	81	76.7	....
15..	61.35	61.80	61.83	60.29	60.88	62.14	61.38	23	23.7	28	30	27.1	25.3	26.2	31.2	22.4	92	89	65	62	75	88	78.5	....
16..	61.57	61.31	61.58	60.14	59.64	61.34	60.93	24.3	23.5	28.5	29.5	26.6	24.2	26.1	30.4	22.9	92	95	77	68	83	91	84.3	....
17..	60.19	60.20	61.29	58.53	58.48	59.95	59.77	23.9	23	28	31.4	26.8	25	26.4	31.7	22.4	93	95	76	63	80	88	82.5	....
18..	59.20	59.56	60.44	58.48	59.07	60.45	59.53	24	24	27.5	29	26.9	23.9	25.9	29.6	23.2	94	95	80	72	84	94	86.5	....
19..	59.73	60.49	61.22	59.04	59.59	60.69	60.13	22.7	21.7	29.9	28.6	27.3	24.5	25.8	31	21.1	94	96	62	72	74	89	81.2	....
20..	59.90	60.63	61.11	58.92	58.93	59.83	59.89	24.6	22.2	30.3	30.7	28	24.7	26.8	31.4	21.9	88	96	56	63	76	87	77.7	....
21..	59.08	59.86	60.73	58.41	58.24	59.52	59.31	23.4	23.8	30.1	28.5	27	24.4	26.2	31.3	22.9	92	91	69	74	78	91	82.5	....
22..	58.66	58.63	59.40	57.22	57.67	59.12	58.45	23.3	23.7	29.9	30	28.4	24.9	26.7	31.9	22.6	93	91	64	66	79	79	78.7	....
23..	58.36	58.83	59.70	57.37	57.94	59.79	58.66	24.2	24	29.3	31.2	27	24.1	26.6	32.2	22.5	88	90	62	61	86	87	79	....
24..	59.48	59.99	60.43	58.02	58.56	60.03	59.42	22.7	21.7	31.3	30.5	27.5	22.2	26	32.3	20.9	92	96	52	58	70	82	75	....
25..	59.22	59.67	60.25	58.27	58.65	60.08	59.36	20.7	19.5	29.9	29.5	27.3	22.6	24.9	31.5	18.9	92	94	77	63	70	85	80.2	....
26..	59.30	60.02	60.88	59.09	59.68	61.27	60.04	23.3	23.4	30.3	30.2	27.5	23.9	26.4	32.6	21.6	82	81	49	56	70	82	70	....
27..	60.43	60.90	61.77	59.48	59.61	60.61	60.47	21.9	21.6	30.6	29.2	28.4	25	26.1	32.2	20.9	90	92	51	68	59	78	73	....
28..	60	60.71	61.53	59.13	59.23	60.86	60.24	23.7	23.8	29.6	31.4	28	25.1	26.9	32	23.2	85	84	60	56	65	83	72.2	....
Mean	60.80	61.38	62.01	59.77	60.35	61.50	60.97	23.1	22.6	29.1	30	27.1	24.1	26	31.4	21.5	89.4	91.3	64.6	62.6	72.4	85.2	77.6	....
Total	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18.2

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	NNE	1	Calm	....	ENE	2	SE	3	Calm	....	NNE	1	1.2	0	....	....	8	....	Cu. ENE
2..	NE	1	Calm	....	NNW	2	E	1	Calm	....	Calm	....	.7	10	Ci.-S.	Cu.	9	....	Cu.-N. ENE
3..	Calm	....	Calm	....	N	1	S	2	N	1	Calm	....	.7	10	....	N.	8	....	Cu. NE
4..	Calm	....	Calm	....	NNW	3	N	3	NNE	2	Calm	....	1.3	10	Ci.-S.	....	8	A.-Cu. E	Cu. NE
5..	Calm	....	NNE	1	NNE	3	NE	3	NE	2	Calm	....	1.5	3	Ci.-S.	....	7	....	Cu. ENE
6..	Calm	....	Calm	....	E	4	NE	3	NE	1	Calm	....	1.3	7	A.-Cu.	Cu. NE	9	....	Cu. ENE
7..	Calm	....	Calm	....	SSE	1	ENE	2	Calm	....	Calm	....	.5	1	....	Cu.	3	....	Cu. ENE
8..	Calm	....	Calm	....	NE	3	SE	2	Calm	....	Calm	....	.8	10	A.-Cu. E	Cu.	9	....	Cu.-N. NE
9..	Calm	....	Calm	....	NE	2	NNE	4	NNE	1	N	1	1.3	0	....	....	9	Ci.-S. ENE	Cu. NE
10..	N	1	Calm	....	NE	2	SE	1	ENE	1	NE	1	1	0	....	....	9	....	Cu. ENE
11..	NE	1	Calm	....	N	1	Calm	....	Calm	....	Calm	....	.3	10	A.-Cu. E	Cu.-N.	10	....	N.
12..	Calm	....	Calm	....	NNE	2	ESE	1	ENE	1	Calm	....	.7	9	A.-Cu. ENE	....	8	A.-Cu. SE	Cu. NNE
13..	Calm	....	Calm	....	SE	3	SE	3	Calm	....	NE	1	1.2	10	....	Cu.	6	....	Cu. ENE
14..	Calm	....	Calm	....	NE	2	SE	3	Calm	....	Calm	....	.8	1	Ci.	....	7	....	Cu. ENE
15..	Calm	....	Calm	....	NNE	2	N	2	N	1	Calm	....	.8	10	Ci.-S.	Cu.-N. ENE	8	Ci.	Cu. NE
16..	Calm	....	Calm	....	NNW	2	SE	2	Calm	....	Calm	..	.7	1	Ci.	Cu.	8	A.-Cu.	Cu. E
17..	Calm	....	Calm	....	NW	1	W	1	E	1	Calm	....	.5	1	Ci.	Cu.	1	Ci.	Cu.
18..	Calm	....	Calm	....	N	1	SE	2	Calm	....	Calm	....	.5	7	A.-Cu.	Cu. NE	4	A.-Cu.	Cu. NE
19..	Calm	....	Calm	....	NNE	2	SE	1	Calm	....	Calm	....	.5	4	Ci.	....	9	....	Cu.-N. NE
20..	Calm	....	Calm	....	NE	2	SE	3	Calm	....	Calm	....	.8	3	Ci.	Cu.	7	....	Cu. ENE
21..	Calm	....	Calm	....	Calm	....	SE	2	Calm	....	Calm	....	.3	10	A.-Cu. E	Cu.	9	Ci.	Cu. NE
22..	Calm	....	NE	1	SSE	1	SSE	2	Calm	....	Calm	....	.7	6	A.-Cu.NE	Cu.	8	Ci.-Cu.	Cu. ENE
23..	Calm	....	NE	1	SE	3	SE	3	Calm	....	Calm	....	1.2	9	A.-Cu. E	Cu.	7	....	Cu. NE
24..	Calm	....	Calm	....	SSE	2	SSE	3	Calm	....	Calm	....	.8	8	Ci. ESE	....	9	Ci.-S.	Cu. NE
25..	Calm	....	Calm	....	N	2	SE	3	Calm	....	Calm	....	.8	4	Ci. SE	....	9	Ci.-S.	Cu. ENE
26..	Calm	....	Calm	....	NE	2	SE	3	Calm	....	Calm	....	.8	10	Ci.-S.	....	8	A.-Cu. E	Cu.
27..	Calm	....	Calm	....	NE	1	S	2	Calm	....	NNE	1	.7	9	Ci.-S. SE	Cu.	9	Ci.-S.	Cu. NE
28..	Calm	....	Calm	....	SSE	3	SE	3	N	1	Calm	....	1.2	9	A.-Cu. ENE	....	8	....	Cu. E
Mean	......	0.1	......	0.1	......	2	......	2.2	......	0.4	......	0.2	0.8	6.1	....	....	7.6	....	....

TAGBILARAN

[ϕ=9° 38′ N; λ=123° 51′ E; barometer above sea, 21.3 meters; gravity correction not applied, —1.86 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.73	60.09	61.08	58.84	59.14	60.53	59.90	24.7	24	29.1	29.6	27.7	25.8	26.8	33.2	23.1	86	90	59	62	70	77	74	....
2..	59.25	59.34	60.81	58.92	59.36	61.07	59.79	24.2	23	30.1	30	27.6	24.4	26.6	31.2	22.2	81	85	55	65	78	86	75	....
3..	60.80	61.15	61.92	59.71	60.11	61.78	60.91	23.4	21	29.3	30.8	27.5	25.2	26.2	31.4	20.1	87	89	62	56	76	80	75	....
4..	61.03	60.93	62.26	60.21	60.47	61.72	61.10	23.1	23.7	29.5	30.2	27.4	24.9	26.5	30.6	22.2	88	82	58	60	77	82	74.5	....
5..	61.30	61.70	62.48	60.33	60.22	61.48	61.25	22	20.7	30.3	31	27	24	25.8	31.9	20	89	92	59	55	75	81	75.2	....
6..	61.22	61.60	61.84	59.63	59.68	60.89	60.81	21.5	20.7	30.5	30	27.4	24.5	25.8	32.7	20.1	87	91	46	57	65	68	69	....
7..	60.48	60.69	61.93	59.55	59.28	60.77	60.45	25.3	24	26.8	29.1	26.5	22.5	25.7	29.5	20.8	63	81	77	69	82	88	76.7	0.8
8..	60.21	60.96	61.28	59.23	59.48	61.04	60.37	20.8	19.8	30	30.5	27.4	23.6	25.4	33	19	92	93	49	55	65	81	72.5	....
9..	60.07	60.59	61.38	59.63	59.23	60.79	60.28	22	22.3	30.4	29.3	27.9	24.9	26.1	31.3	21.1	90	86	61	68	69	83	76.2	....
10..	60.18	60.93	61.96	60.29	59.84	61.28	60.75	24	23	29.1	30	26.2	23.3	25.9	30.6	21.7	86	91	63	67	85	92	80.7	10.6
11..	60.85	61	61.34	59.62	59.53	61.31	60.61	21.5	20.2	30.1	29.1	27.4	23.4	25.3	32.6	19.6	95	95	56	66	73	86	78.5	....
12..	60.80	61.42	62.58	60.54	60.93	61.86	61.36	22.6	23.3	30.8	28	24.2	24.1	25.5	30.8	21.1	90	86	62	69	93	92	82	9.4
13..	60.68	61.03	62.22	60.17	59.67	61.19	60.83	22.8	23.1	28.3	29.1	26.2	24.1	25.6	30.9	22	95	94	74	65	80	90	83	....
14..	60.20	60.82	62.03	59.63	59.73	61.38	60.63	22.5	21.2	30	30	27.6	24.5	26	31.4	20.4	93	96	57	63	72	85	77.7	....
15..	60.34	60.90	62.18	60.19	60.33	61.59	60.92	23.3	23	28.5	27.6	24.1	23.9	25.1	30.2	22.3	90	93	75	79	93	95	87.5	23.4
16..	60.60	60.84	61.72	59.64	59.75	61.01	60.59	23.8	22.3	28	30	26.6	23.3	25.7	30.4	21.7	96	97	72	61	79	92	82.8	....
17..	60.45	60.54	62.04	59.95	60.05	61.74	60.80	23	23.6	28.8	28	26.8	25.2	25.9	30.2	22.4	94	91	78	78	77	88	84.3	3.6
18..	60.65	61.12	62.34	60.61	60.53	62.49	61.29	22.8	22	28.9	30.5	27	24.4	25.9	31.2	21.3	90	90	64	62	79	86	78.5	....
19..	60.60	61.85	62.88	60.60	60.76	62.39	61.51	23.1	22.8	28.3	30	27.9	25.8	26.3	31.4	21.9	88	91	74	69	77	78	79.5	....
20..	61.34	61.54	62.36	59.83	59.82	61.59	61.08	24.8	24	29.2	31.1	27.1	24.2	26.7	31.8	22.2	83	90	68	55	78	79	75.5	....
21..	60.55	60.85	61.71	59.54	59.63	60.87	60.52	22	21.4	29.5	30.7	27.8	22.9	25.7	31.8	20.3	90	94	61	52	60	80	72.8	....
22..	60.77	61.18	61.43	59.58	58.83	60.71	60.42	21.4	20	29	29.1	26.6	23.2	24.9	30.2	19.1	91	94	64	67	71	88	79.2	....
23..	60.46	60.71	61.39	59.16	59.04	60.15	60.15	21.5	21.1	29.2	29.9	27.7	24.4	25.6	30.6	20.1	91	94	68	66	72	89	80	....
24..	59.43	59.80	60.33	58.86	58.69	59.99	59.52	23.7	23.3	30.4	29.9	28.3	25	26.8	31.5	22.6	91	92	66	64	70	80	77.2	....
25..	59.08	59.80	60.89	58.56	58.77	60.66	59.63	23.1	21.4	30	30.1	28.7	24.9	26.4	31.8	20.8	83	84	54	62	63	81	71.2	....
26..	60.13	60.67	61.18	58.44	59.19	60.54	60.02	22.8	21.1	29.4	29.7	24.6	24.5	25.4	31.7	20.4	87	95	65	62	92	95	82.7	5.7
27..	59.16	59.35	60.37	58.12	58.19	59.44	59.10	24	22.4	30.8	30.9	28.9	27.2	27.4	31.8	21.9	95	96	53	62	70	75	75.2	....
28..	59.06	59.52	60.43	58.60	58.93	60.58	59.52	25.8	25.7	29.4	25.5	26	24.5	26.2	30.4	23.9	84	84	66	93	91	94	85.3	7.2
29..	59.01	59.48	60.29	58.14	58.34	60.34	59.27	24.2	23.7	30.8	29.5	27.8	24.5	26.8	31.3	22.8	93	92	59	69	76	91	80	....
30..	58.73	59.21	59.94	57.47	57.72	60.10	58.86	23.5	22.6	29	30.6	27.3	24.4	26.2	31	21.9	92	94	70	68	81	87	82	3.3
31..	58.76	58.67	59.88	57.61	57.91	59.44	58.71	22.2	22.7	30	29.2	27.3	24.8	26	31.7	21.3	92	90	67	73	76	89	81.2	....
Mean	60.19	60.59	61.50	59.39	59.46	60.99	60.35	23.1	22.4	29.5	29.6	27	24.4	26	31.3	21.3	88.8	90.7	63.3	65.1	76.3	85.1	78.2	....
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	64

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
														Amount.	Form and direction.		Amount.	Form and direction.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.			Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	Calm	....	Calm	....	N	2	SE	2	Calm	....	Calm	....	0.7	10	Ci.-S.	Cu.-N.	9	A.-Cu.	Cu. E
2..	Calm	....	Calm	....	NE	2	SE	1	Calm	....	Calm	....	.5	9	A.-Cu. E	Cu.	9	Ci.-S.	Cu. ENE
3..	Calm	....	Calm	....	NW	1	SE	3	Calm	....	Calm	....	.7	9	Ci. E	Cu.	5	....	Cu. NE
4..	Calm	....	Calm	....	NE	2	SE	3	Calm	....	Calm	....	.8	9	A.-Cu. ESE	Cu.	9	Ci.-S.	Cu. NNE
5..	Calm	....	Calm	....	Calm	....	SSE	1	SE	1	Calm	....	.3	1	Ci.	....	3	Ci.-S.	Cu.
6..	Calm	....	Calm	....	SE	3	NW	2	Calm	....	NE	1	1	0	Ci.	....	2	Ci.	Cu. NE
7..	NW	1	Calm	....	NNW	1	SE	3	Calm	....	Calm	....	.8	9	A.-Cu.	Cu. E	5	Ci.	Cu. NE
8..	Calm	....	Calm	....	SE	3	S	3	Calm	....	Calm	....	1	2	Ci. ESE	....	2	Ci.-S.	Cu.
9..	Calm	....	Calm	....	SE	2	SSE	1	Calm	....	Calm	....	.5	1	Ci. SE	....	7	....	Cu. WSW
10..	Calm	....	Calm	....	SE	1	NW	2	Calm	....	Calm	....	.5	7	Ci. SE	Cu.	9	....	Cu. NE
11..	Calm	....	Calm	....	N	1	SE	3	NNW	1	Calm	....	.8	0	....	....	1	....	Cu.
12..	Calm	....	Calm	....	Calm	....	E	1	Calm	....	Calm	....	.2	10	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu.-N. NE
13..	Calm	....	Calm	....	NW	2	SE	2	Calm	....	Calm	....	.7	10	A.-Cu. SE	....	5	A.-Cu.	Cu.
14..	Calm	....	Calm	....	NE	1	SE	2	Calm	....	Calm	....	.5	6	A.-Cu. NE	....	6	....	Cu. ENE
15..	Calm	....	Calm	....	NW	2	Calm	....	NNE	2	Calm	....	.7	3	Ci.	Cu.	9	....	Cu.-N. ENE
16..	Calm	....	Calm	....	Calm	....	SE	2	Calm	....	Calm	....	.3	1	A.-Cu.	Cu.	4	Ci.-S.	Cu.
17..	Calm	....	Calm	....	Calm	....	NW	1	Calm	....	Calm	....	.2	10	....	Cu. E	9	....	Cu.-N. ENE
18..	Calm	....	NNE	1	SE	1	SSW	1	Calm	....	Calm	....	.5	3	Ci.	....	4	Ci.-S.	Cu.
19..	Calm	....	Calm	....	N	2	NW	1	Calm	....	Calm	....	.5	1	Ci.	....	6	A.-Cu.	Cu. NE
20..	E	1	Calm	....	SE	2	SE	3	Calm	....	NW	1	1.2	1	A.-Cu.	....	5	A.-Cu. NE	Cu. NE
21..	Calm	....	Calm	....	SE	2	SSE	1	Calm	....	Calm	....	.5	9	Ci.-S. NW	Cu.	6	Ci. WNW	Cu.
22..	Calm	....	Calm	....	SSE	1	SE	2	SE	1	Calm	....	.7	2	Ci.	....	0	....	Cu.
23..	Calm	....	Calm	....	SE	1	SSE	2	Calm	....	Calm	....	.5	1	A.-Cu.	....	2	Ci.-Cu. NE	Cu.
24..	Calm	....	Calm	....	SE	2	SE	2	N	1	Calm	....	.8	1	....	Cu.	6	....	Cu. NNE
25..	Calm	....	N	1	SE	3	SE	2	NW	1	Calm	....	1.2	3	Ci.	....	8	Ci.-S.	Cu.
26..	Calm	....	Calm	....	NW	3	SE	2	NE	1	Calm	....	1	3	Ci.	....	6	....	Cu. ENE
27..	Calm	....	Calm	....	NE	3	SSE	2	Calm	....	NNE	2	1.2	1	Ci.-Cu.	....	5	Ci.	Cu. ENE
28..	Calm	....	Calm	....	NNE	2	Calm	....	Calm	....	Calm	....	.3	9	....	Cu.-N. E	10	....	N. ENE
29..	Calm	....	Calm	....	NNE	3	SE	3	Calm	....	Calm	....	1	9	A.-Cu. SE	....	8	....	Cu. NE
30..	Calm	....	Calm	....	SE	2	WSW	1	Calm	....	Calm	....	.5	2	A.-Cu. SE	....	7	....	Cu. NE
31..	Calm	....	Calm	....	SW	1	SE	2	Calm	....	Calm	....	.5	9	Ci.-S.	....	8	Ci.-S.	Cu. NE
Mean	......	0.1	......	0.1	......	1.6	......	1.8	......	0.3	......	0.1	0.7	4.9	....	....	6	....	....

TAGBILARAN

[ϕ=9° 38′ N; λ=123° 51′ E; barometer above sea, 21.3 meters; gravity correction not applied, −1.86 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.10	59.55	60.78	58.54	59.42	60.92	59.72	23.3	23.3	29.6	29.9	27.5	25	26.4	30.6	22.4	90	91	66	67	77	86	79.5	....
2..	59.23	59.95	61.23	59.29	59.68	61.01	60.06	22.6	22	29.4	30	27	24.2	25.9	31.7	21.1	92	94	63	65	74	84	78.7	....
3..	60.28	60.24	60.40	58.47	58.38	59.61	59.56	22.5	21.6	29.8	30	28	24.4	26	31.4	20.8	89	94	67	65	74	82	78.5	....
4..	58.86	59.32	60.81	58.53	58.63	60.53	59.45	22.4	21.3	29.9	29.6	26.7	22.3	25.4	30.8	20.3	88	90	58	63	64	82	74.2	....
5..	60.21	60.22	61.13	59.03	58.89	60.89	60.06	21	21.9	29.6	29.4	27.8	23.9	25.6	31.2	19.9	95	92	66	68	74	79	79	....
6..	60.35	60.37	61.42	59.18	59.48	60.76	60.26	21.6	21.5	29.2	30.6	27.6	24.9	25.9	31.9	20.4	91	92	64	63	78	83	78.5	....
7..	60.19	60.46	60.44	57.82	58.13	59.46	59.42	24	22.5	29.9	30	27.4	23.5	26.2	32	21.6	84	86	62	60	76	92	76.7	....
8..	58.11	58.29	58.24	56.33	57.24	58.20	57.74	21.4	22	31.6	28.9	26.1	25.4	25.9	32.5	20.6	95	94	56	67	89	93	82.3	2.1
9..	56.75	57.35	58.24	55.97	56.66	58.64	57.27	24.3	23.5	30.4	32.4	28.7	26.6	27.6	33.6	23	95	97	68	55	68	71	75.7	....
10..	57.18	57.48	58.51	56.56	56.97	58.62	57.55	25	23.4	31	31.3	28.8	25.4	27.5	32.9	22.6	80	90	61	58	74	84	74.5	....
11..	58	58.33	59.49	56.58	56.51	58.39	57.88	24.3	23.8	29.8	31.5	29.4	26	27.5	33.1	22.9	90	92	73	62	80	80	79.5	....
12..	58.07	58.48	59.08	56.38	56.57	58.16	57.79	24.3	23.3	31	32.5	29.3	26.6	27.8	33.4	22.2	84	87	67	49	63	71	70.2	....
13..	57.65	58.47	59.53	56.66	57.07	59.38	58.13	25.8	25.1	29.5	32	28.9	25.9	27.9	32.9	23.7	81	84	70	56	69	84	74	.5
14..	57.98	58.49	59.83	58.31	58.74	60.19	58.92	25.4	25.1	30.6	29.2	25.7	25	26.8	30.8	23.5	84	87	63	78	93	93	83	2.1
15..	59.10	59.78	60.38	58.38	58.37	60.76	59.46	23.8	23.3	31.1	32	29	26	27.5	33.6	22.5	95	96	64	64	74	78	78.5	....
16..	60.10	59.65	60.27	58.26	57.95	59.53	59.29	23.6	23.3	32	32	29.1	25.8	27.6	32.8	22.2	90	92	59	59	66	73	73.2	....
17..	58.33	59.09	59.42	57.63	57.41	59.18	58.51	25	23.3	29.9	31	28.7	25.1	27.2	33.1	22	77	90	68	63	74	81	75.5	....
18..	58.45	58.85	60.29	58.06	57.57	59.24	58.74	24.6	24.2	31.6	31.5	28.4	24.1	27.4	32.8	23.4	84	86	55	55	63	81	70.7	....
19..	58.99	59.65	60.63	58.82	58.76	60.52	59.56	23.2	23.5	30.5	30.9	29.8	26.2	27.4	33.3	22.4	90	87	64	71	68	79	76.5	....
20..	60.17	60.74	61.13	58.90	59.06	61.31	60.22	25	23.4	31.7	32.5	30	26.5	28.2	34.1	22.4	83	90	60	53	60	71	69.5	....
21..	60.54	60.81	60.66	58.35	59	60.82	60.03	23.7	23.1	31.5	32.8	29.1	26.1	27.7	33.7	22.2	86	89	56	52	67	70	70	....
22..	59.75	59.78	60.60	58.51	58.61	60.28	59.59	26.2	24	29.3	29.9	28.1	25.2	27.1	32.5	23.1	69	86	64	64	79	93	75.8	....
23..	59.40	60.43	61.31	58.72	59.23	61.13	60.04	23.9	24	32	31	26.4	24.5	27	33.4	22.6	91	91	61	64	90	89	81	1.1
24..	60.05	60.51	60.99	58.95	59.26	61.22	60.16	23.9	23.7	31	31.6	28.8	25.9	27.5	33.5	22.8	91	91	61	56	70	81	75	....
25..	59.99	60.18	60.76	58.56	58.93	60.48	59.82	23.4	23.2	31.4	30.9	29	26	27.3	32.9	22.4	89	91	58	63	70	79	75	....
26..	59.29	59.99	60.46	57.93	58.42	59.74	59.30	24.5	23.9	31.9	30.8	28.5	25.5	27.5	33.1	23.1	87	91	56	65	69	72	73.3	....
27..	58.50	58.91	59.38	56.97	57.02	58.85	58.27	24.2	24.2	30.7	30.9	28.8	24.6	27.2	33.4	23.1	87	88	63	64	73	79	75.7	....
28..	57.80	58.14	58.93	56.91	57.62	59.15	58.09	24.2	25.5	30.3	30.4	28	25.1	27.2	32	23.5	84	83	64	64	67	82	74	....
29..	58	58.61	59.33	57.47	58.33	59.89	58.60	24.3	24.5	30.5	29.9	26.7	25.4	26.9	32.4	23.4	89	88	66	71	87	90	81.8	5.6
30..	58.75	59.06	59.69	57.42	57.42	59.42	58.63	24.1	23.5	30.4	31.2	29.1	26.8	27.5	33.4	22.8	92	94	68	66	76	70	77.7	....
Mean	58.97	59.37	60.11	57.92	58.18	59.88	59.07	23.8	23.4	30.6	30.9	28.2	25.3	27	32.6	22.3	87.4	90.1	63	62.3	73.5	81.1	76.2	....
Total	.....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11.4

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction.		Amount.	Form and direction.	
															Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	Calm	....	Calm	....	SE	3	SE	3	SE	1	Calm	....	1.2	9	A.-Cu. E	....	7	Ci.-S. SE	Cu. NE
2..	Calm	....	Calm	....	WNW	1	SE	2	Calm	....	Calm	....	.5	7	Ci.-S. SE	....	7	Ci.	Cu. NNE
3..	Calm	....	Calm	....	SE	2	NW	2	Calm	....	Calm	....	.7	7	A.-Cu. SE	....	8	....	Cu. NE
4..	Calm	....	N	1	NW	1	SE	3	Calm	....	Calm	....	.8	1	Ci.	....	4	Ci.-S.	Cu.
5..	Calm	....	Calm	....	SSE	1	SE	2	Calm	....	Calm	....	.5	2	Ci.-S.	....	7	....	Cu. NE
6..	Calm	....	Calm	....	WNW	2	SE	2	SE	1	Calm	....	.8	9	Ci.-S. SE	....	8	Ci.	Cu. NE
7..	Calm	....	Calm	....	WNW	1	SE	3	SE	1	Calm	....	.8	1	Ci.	....	6	Ci.-S. SE	Cu. NNE
8..	Calm	....	Calm	....	N	2	SE	2	Calm	....	Calm	....	.7	2	Ci.	....	10	Ci.-S.	Cu.-N. NE
9..	Calm	....	Calm	....	SE	2	SE	3	Calm	....	NE	2	1.2	7	A.-Cu. ESE	Cu.	8	Ci.-S. ESE	Cu.
10..	Calm	....	Calm	....	SE	4	SE	3	NW	2	Calm	....	1.5	7	Ci. SE	....	3	Ci.-S.	Cu. E
11..	Calm	....	Calm	....	SE	2	SE	2	Calm	....	Calm	....	.7	2	Ci.	Cu. ESE	8	Ci.-S.	Cu. E
12..	Calm	....	Calm	....	SE	3	SE	4	NE	1	NNE	1	1.5	9	Ci.-S.	....	4	Ci.-S.	Cu. E
13..	Calm	....	Calm	....	N	1	SSE	2	NW	1	Calm	....	.7	8	A.-Cu. E	....	6	Ci.-S.	Cu. E
14..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	10	....	Cu. SE	10	Ci.-S.	N. NE
15..	Calm	....	Calm	....	SSE	2	NW	1	Calm	....	Calm	....	.5	8	A.-Cu. SE	....	2	....	Cu.
16..	Calm	....	Calm	....	WNW	1	WNW	3	Calm	....	N	1	.8	0	....	....	3	....	Cu. NE
17..	N	1	Calm	....	SSE	3	NW	3	NW	1	Calm	....	1.3	3	A.-Cu.	....	3	....	Cu. ENE
18..	Calm	....	N	1	W	1	SE	2	Calm	....	Calm	....	.7	2	Ci.	Cu.	4	Ci.-S.	Cu.
19..	Calm	....	Calm	....	WNW	2	SE	1	Calm	....	Calm	....	.5	0	Ci.	....	8	....	Cu. E
20..	Calm	....	Calm	....	SE	2	SE	3	Calm	....	Calm	....	.8	0	Ci.	....	7	Ci.-S.	Cu. ENE
21..	Calm	....	Calm	....	SSE	2	SSE	1	Calm	....	Calm	....	.5	9	Ci.-S.	....	3	Ci.-S.	Cu. ENE
22..	ESE	1	Calm	....	SE	2	SE	1	Calm	....	Calm	....	.7	9	Ci.-S. SE	....	10	Ci.-S.	N. SE
23..	Calm	....	Calm	....	Calm	....	NW	2	Calm	....	NNE	1	.5	9	Ci.-S. SE	Cu.	8	A.-Cu. SE	Cu. ENE
24..	Calm	....	Calm	....	SSE	1	NW	2	Calm	....	Calm	....	.5	1	....	Cu.	4	A.-Cu.	Cu. NE
25..	NNE	1	Calm	....	SE	2	SW	2	Calm	....	Calm	....	.8	3	Ci.-S.	....	9	Ci.-S. SE	Cu. S
26..	Calm	....	Calm	....	SSE	1	SE	2	Calm	....	N	1	.7	10	Ci.-S. SE	....	9	Ci.-S. SE	Cu. NE
27..	N	1	Calm	....	S	1	WNW	3	Calm	....	Calm	....	.8	7	A.-Cu. ESE	....	8	A.-Cu. ENE	Cu.
28..	Calm	....	Calm	....	WNW	1	NNE	2	Calm	....	Calm	....	.5	10	Ci.-S.	Cu. ESE	10	A.-Cu. SE	Cu. NE
29..	Calm	....	Calm	....	NW	1	Calm	....	Calm	....	Calm	....	.2	10	A.-Cu.	Cu.-N. E	10	Ci.-S.	Cu.-N. NE
30..	Calm	....	Calm	....	SSW	2	S	3	Calm	....	Calm	....	.8	3	Ci.-S.	....	6	....	Cu. E
Mean	......	0.1	......	0.1	......	1.6	......	2.1	......	0.3	......	0.2	0.7	5.5	....	....	6.7	....	....

TAGBILARAN

[ϕ=9° 38′ N; λ=123° 51′ E; barometer above sea, 21.3 meters; gravity correction not applied, —1.86 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.60	59.38	59.53	57	57.42	59.42	58.56	25.1	23.8	30.4	31.1	28.6	26.1	27.5	33.5	22.9	81	91	66	64	75	78	75.8	......
2..	58.79	59.30	59.78	57.13	57.55	59.57	58.69	23.9	23	30.9	32.1	29.8	26.1	27.6	33.9	22.4	89	93	67	58	63	76	74.3	......
3..	58.60	58.95	59.38	57.52	57.41	59.38	58.54	24.6	22.9	30.7	31	28.6	24.8	27.1	32.3	22.1	82	89	57	65	75	82	75	......
4..	58.35	58.66	59.08	57.65	57.85	59.61	58.53	23.9	23.9	30.1	32.2	30	27.4	27.9	33.7	22.7	90	91	63	59	64	76	73.8	......
5..	59.22	59.47	60.51	58.82	58.49	60.14	59.44	25.1	24.9	29.1	28.2	28.5	26	27	31.3	23.9	85	87	74	82	76	78	80.3	10.7
6..	59.17	59.60	59.87	57.76	58.27	59.94	59.10	24.6	24	30	31.4	28	27.4	27.6	32	23.1	88	91	69	65	79	73	77.5	.3
7..	58.78	59.24	59.66	57.46	57.51	59.01	58.61	25.9	25.3	31.3	31.9	28.7	25.4	28.1	33	24	83	88	66	60	74	85	76	......
8..	58	58.11	59.28	57.57	57.74	60.09	58.46	24.1	23.2	31.4	32.2	29	25	27.5	32.8	22	87	93	61	55	65	82	73.8	......
9..	59.26	59.23	59.46	57.36	57.46	59.38	58.69	24	23.5	31.3	32.7	29.2	26	27.8	33.3	22.6	89	92	66	54	68	83	75.3	......
10..	58.40	58.60	59.28	57.46	56.88	58.63	58.21	23.9	24	31.6	29.8	28.4	26.4	27.4	32.5	22.8	90	90	62	69	78	86	79.2	......
11..	57.44	57.66	58.56	56.51	57.09	58.77	57.67	24.8	23.8	31.1	31.4	28.4	27.6	27.8	33.4	23.2	90	92	61	62	70	84	76.5	......
12..	57.95	58.37	58.61	56.51	56.36	58.32	57.69	25.5	25	31	32	28.3	26.5	28	32.6	24	86	86	68	54	77	85	76	......
13..	57.80	58	58.78	56.83	56.66	58.42	57.75	25.4	24.8	31.8	33.6	29.6	26.9	28.7	33.7	24.1	89	91	62	54	63	80	73.2	......
14..	57.98	57.94	58.94	56.71	56.51	58.22	57.72	25.2	25.8	31.5	31.7	29.5	27.5	28.5	33.8	24.5	89	86	67	63	76	86	77.8	......
15..	57.31	57.29	58.57	56.16	56.11	57.61	57.18	25.4	25.1	31	31.5	28.7	27.5	28.2	32.7	24.3	88	89	68	64	74	84	77.8	......
16..	57.11	57.22	57.92	55.60	56.17	57.87	56.98	25	25.1	31.5	30.9	28.5	26.9	28	33.9	24.4	90	89	68	67	82	83	79.8	......
17..	57.24	57.47	57.63	55.57	56.36	58.13	57.07	26	26	31.4	31.8	28.6	27.1	28.5	33.3	25.2	86	87	59	66	78	85	76.8	......
18..	57.11	57.89	58.26	55.65	56.26	58.17	57.22	25.6	26.6	30.2	32	29.5	27.9	28.6	33.4	24.4	91	87	75	66	76	85	80	......
19..	57.61	58.19	58.74	56.45	56.65	58.77	57.74	26.3	26.6	31	32.4	28.8	28.5	28.9	33.5	25.7	86	82	69	60	78	84	76.5	.5
20..	58.12	59.09	59.45	56.96	57.76	59.22	58.43	26.4	26.3	30.6	29.9	28.6	27	28.1	32.6	25.6	86	88	68	61	83	86	78.7	......
21..	58.71	59.43	59.91	57.85	58.16	59.51	58.93	26	25.5	31.4	30.6	30.1	27.5	28.5	33.4	24.7	88	88	66	73	64	81	76.7	......
22..	58.02	58.59	59.17	57.12	57.56	58.92	58.23	25.3	24.5	31.7	31.7	29.3	27.1	28.3	32.8	23.4	89	92	64	63	64	75	74.5	......
23..	58.07	58.67	59.05	56.98	57.93	59.21	58.32	25.7	26	31.3	28.6	28.4	26.6	27.8	32.4	25.2	86	84	69	75	79	90	80.5	......
24..	58.16	58.62	59.88	57.58	57.64	59.20	58.51	25.7	25.8	32	31.4	28.6	27.5	28.5	32.5	24.8	93	92	66	65	75	83	79	......
25..	58.09	59.04	59.52	57.03	58.26	59.24	58.53	25.6	25.5	31.8	32.3	29.4	27.6	28.7	33.4	24.5	88	88	65	66	74	85	77.7	......
26..	58.17	58.42	58.85	56.55	56.86	58.83	57.95	26.1	25.7	33.9	32.5	29	28.2	29.2	34.6	24.7	89	91	54	65	73	82	75.7	......
27..	57.69	57.33	58	55.53	55.88	57.76	57.03	25.7	25.7	32.5	32.9	29	27.1	28.8	34.7	24.5	92	93	62	63	74	82	77.7	......
28..	56.84	57.08	58.16	55.82	56.36	58.32	57.10	27.5	26.5	31.2	31	28.7	26.8	28.6	32.9	25.3	80	86	69	67	75	84	76.8	.3
29..	56.59	56.75	57.47	55.91	55.85	58.03	56.77	25	24.5	30.6	32.7	29.4	25.6	28	33.2	23.8	92	94	65	53	74	89	77.8	24.1
30..	57.67	57.44	58.08	56.31	56.73	58.72	57.49	25	25.1	29.9	31.5	28.6	26	27.7	32.7	24.4	98	97	73	66	77	90	83.5	16
31..	58.95	58.85	59.42	57.67	57.51	58.63	58.50	23.5	24.3	31.3	29	28.6	25.6	27	31.8	22.9	97	93	61	77	74	89	81.8	......
Mean	58.06	58.38	58.99	56.87	57.14	58.87	58.05	25.2	24.9	31.1	31.4	28.9	26.8	28.1	33.1	23.9	88.3	89.7	65.5	63.9	73.5	82.9	77.3	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	51.9

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	Calm	....	Calm	....	SE	2	SSE	3	Calm	....	Calm	....	0.8	0	....	....	4	....	Cu. E
2..	Calm	....	Calm	....	SSE	2	WNW	2	Calm	....	Calm	....	.7	2	Ci.-S.	....	3	Ci.-S.	Cu. E
3..	Calm	....	Calm	....	SE	2	S	1	Calm	....	Calm	....	.5	2	Ci.-S.	....	10	Ci.-S.	Cu. NE
4..	Calm	....	Calm	....	SE	1	S	1	Calm	....	Calm	....	.3	8	A.-Cu. E	....	8	Ci.-S.	Cu. NE
5..	Calm	....	Calm	....	SE	2	WNW	1	Calm	....	NNW	1	.7	7	Ci.-S.	....	7	Ci.	Cu. ENE
6..	Calm	....	Calm	....	SE	1	W	1	Calm	....	E	1	.5	9	Ci.-S.	Cu. E	9	....	Cu. ENE
7..	Calm	....	Calm	....	SE	2	WNW	2	SE	1	Calm	....	.8	9	A.-Cu. E	Cu.	5	Ci.-S.	Cu.
8..	N	1	Calm	....	SSE	1	SSE	1	Calm	....	Calm	....	.5	1	Ci.	....	2	....	Cu.
9..	Calm	....	Calm	....	S	1	SE	2	Calm	....	Calm	....	.5	7	Ci.-S. NW	Cu.	3	Ci.-S.	Cu. SW
10..	Calm	....	Calm	....	SE	1	SE	1	Calm	....	Calm	....	.3	1	Ci.-S.	....	9	....	Cu. N
11..	Calm	....	Calm	....	SE	2	SE	3	Calm	....	Calm	....	.8	4	Ci.-S. WSW	....	2	Ci.-S.	Cu.
12..	Calm	....	Calm	....	SE	3	SE	2	SE	1	Calm	....	1	3	Ci.-S.	Cu. ESE	2	Ci.-S. E	Cu.
13..	Calm	....	Calm	....	SE	3	SE	1	Calm	....	Calm	....	.7	8	Ci.-S.	Cu.	5	Ci.-S.	Cu.
14..	Calm	....	Calm	....	SE	2	SE	2	Calm	....	Calm	....	.7	7	Ci.-S.	Cu.	10	Ci.-S.	Cu. NE
15..	Calm	....	Calm	....	SE	3	SE	2	Calm	....	Calm	....	.8	10	Ci.-S.	Cu.	2	Ci.	Cu.
16..	Calm	....	Calm	....	SSE	1	SE	2	SE	1	Calm	....	.7	8	Ci.-S. SE	Cu.	9	Ci.-S.	Cu.
17..	Calm	....	Calm	....	SE	2	SSE	3	Calm	....	Calm	....	.8	10	Ci.-S.	Cu.	9	Ci.-S.	Cu. NNE
18..	Calm	....	Calm	....	SSE	2	SE	3	Calm	....	Calm	....	.8	10	Ci.-S. SE	Cu.	9	Ci.-S.	Cu.
19..	Calm	....	Calm	....	SE	3	SE	3	Calm	....	Calm	....	1	10	Ci.-S.	Cu.-N.	2	Ci.-S.	Cu.
20..	Calm	....	Calm	....	WNW	1	ESE	1	ESE	2	Calm	....	.7	10	Ci.-S.	Cu. ESE	10	Ci.-S.	Cu.
21..	Calm	....	Calm	....	SSW	1	SSE	1	Calm	....	Calm	....	.3	9	A.-Cu. NE	Cu.	8	Ci.-S. SE	Cu.
22..	Calm	....	Calm	....	SSE	2	SSE	2	Calm	....	Calm	....	.7	8	Ci.-S. SE	Cu.	1	....	Cu.
23..	Calm	....	Calm	....	SSE	3	Calm	....	Calm	....	Calm	....	.5	5	Ci.-S.	Cu.	9	Ci.-S.	Cu.
24..	Calm	....	Calm	....	SE	3	S	2	SSE	1	Calm	....	1	9	Ci.-S. SW	Cu.	9	Ci.-S.	Cu.
25..	Calm	....	Calm	....	SSE	2	SSE	2	SSE	1	Calm	....	.8	9	Ci.-S.	Cu.	9	Ci.-S. NW	Cu.
26..	Calm	....	Calm	....	SSE	1	SSE	3	Calm	....	Calm	....	.7	9	Ci.-S. NE	Cu	5	Ci.-S.	Cu. SW
27..	Calm	....	Calm	....	NW	1	SSE	2	Calm	....	Calm	....	.5	3	Ci.-S.	Cu.	7	Ci.-S.	Cu.
28..	Calm	....	Calm	....	SE	2	SSE	2	Calm	....	SE	2	1	10	Ci.-S.	....	8	Ci.-S.	Cu.
29..	Calm	....	Calm	....	WNW	1	SSE	2	SSE	2	Calm	....	.8	10	Ci.-S.	....	6	Ci.-S.	Cu. NE
30..	Calm	....	Calm	....	SSE	2	WNW	2	NE	1	Calm	....	.8	10	A.-Cu. E	Cu.	6	A.-Cu. E	Cu. SSW
31..	Calm	....	Calm	....	SE	1	Calm	....	Calm	....	Calm	....	.2	10	A.-Cu. ENE	Cu.	9	Ci.-S. NNW	Cu.-N.
Mean	......	0	......	0	......	1.8	......	1.8	......	0.3	......	0.1	0.7	7	....	....	6.4	....	....

TAGBILARAN

[ϕ=9° 38′ N; λ=123° 51′ E; barometer above sea, 21.3 meters; gravity correction not applied, —1.86 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.39	58.55	59.12	57.15	56.96	58.22	58.06	24.3	24.4	30.5	32.3	29.8	26.6	28	33.5	23.5	91	91	68	64	75	86	79.2	......
2..	57.48	57.32	57.94	55.81	56.11	57.56	57.04	25.4	25.1	32	31	29	26.8	28.2	32.1	24.4	92	93	67	69	80	87	81.3	3.3
3..	56.57	56.78	57.47	55.54	56.58	57.87	56.80	25.7	25.4	32.1	28	28	25.8	27.5	32.6	24.5	91	93	61	86	85	88	84	1
4..	56.89	56.80	57.83	56.21	56.58	58.18	57.08	25	24.8	31.6	31	28.9	26.7	28	32.2	24.3	93	94	65	70	78	86	81	......
5..	57.47	58.18	59.04	57.27	58.29	59.22	58.24	25.7	25	28.6	28	26	25.6	26.5	31.2	24.6	90	94	83	83	89	93	88.7	20.1
6..	58.28	58.45	59.33	57.75	58.33	59.75	58.65	24.9	25.2	30.7	26.1	26.4	25	26.4	31.2	24.5	98	96	70	87	89	95	89.2	11.3
7..	58.84	58.68	58.94	57.44	57.73	59.45	58.51	24.5	24.5	28.9	27.2	28	24	26.2	31.3	22.9	95	94	74	90	85	96	89	31.8
8..	58.25	57.35	57.94	56.68	56.74	58.02	57.50	24.2	24.4	27.5	27.8	27.1	25.9	26.2	28.2	22.8	96	95	78	78	86	89	87	.3
9..	56.85	56.80	57.37	56.23	56.66	57.73	56.94	26	26.5	30.7	27.5	27.6	27	27.6	31.2	25.2	86	86	72	87	81	85	82.8	3.8
10..	57	56.80	57.88	56.85	56.82	58.39	57.29	26.5	26	30.2	27.3	27.5	27.2	27.4	31.6	25.4	89	93	71	80	80	81	82.3	.5
11..	57.53	57.39	58.12	56.62	57.02	58.74	57.57	26.2	27.1	30.1	30.6	28.6	26.8	28.2	31.2	25	83	78	65	65	74	85	75	.3
12..	57.49	57.36	58.66	56.64	57.26	59.60	57.84	27	27.5	29.4	30.9	28	26.3	28.2	31.3	25.1	85	84	74	68	82	84	79.5	1
13..	57.87	58.45	59.08	57.71	57.82	59.48	58.40	25.3	26.2	30.4	30	29	27.8	28.1	31.4	24	92	89	70	70	74	74	78.2	.2
14..	58.18	58.64	59.22	57.57	57.41	59.08	58.35	25.4	25.1	30.8	31	28.6	26.4	27.9	31.8	24.4	93	94	69	65	75	87	80.5	......
15..	58.72	58.89	58.81	57.31	57.56	59.51	58.47	25	25.4	32.3	30.7	29.1	28.1	28.4	33.2	24.1	92	91	61	72	74	83	78.8	......
16..	58.61	58.98	59.34	57.80	57.95	59.67	58.72	26.5	25.8	31	32	29.7	27.1	28.7	33	24.8	88	90	67	64	75	82	77.7	......
17..	58.92	59.12	59.40	57.56	57.72	59.23	58.66	25.3	25.1	31	29.4	28.5	25.8	27.5	32.5	24.4	93	93	68	74	83	88	83.2	......
18..	58.23	58.35	58.57	56.96	57.22	58.16	57.92	24.8	24.7	30	32.4	29.1	26.4	27.9	32.7	24.1	92	93	64	65	72	93	79.8	......
19..	57.10	57.38	57.81	56.10	57.06	58.29	57.29	25.2	26.3	30.1	30.9	26.8	25.6	27.5	32.2	24.1	95	88	67	64	88	88	81.7	.8
20..	57.50	57.30	58.48	57.37	57.77	59.08	57.92	25.2	25.8	28.8	29.7	28.6	27.2	27.6	31	24.1	89	81	67	72	71	77	76.2	.3
21..	58.07	58.85	59.48	57.48	58.03	59.84	58.62	25.1	23.6	31.1	32.3	30.1	28.2	28.4	33.6	22.9	86	94	68	54	60	74	72.7	......
22..	59.22	59.81	59.86	58.22	58.56	59.74	59.24	26.9	26.2	31.1	31	29	27.7	28.6	32.3	25.8	80	83	64	68	73	76	74	......
23..	58.41	58.35	58.96	57.51	58.20	59.44	58.48	25.5	24.7	31.4	32	28.9	24.8	27.9	33.2	24.2	88	92	62	60	76	92	78.3	18.4
24..	58.97	58.84	58.66	57.13	58.13	59.65	58.56	24.3	25.4	30.7	28.7	25.6	25.5	26.7	31.1	24	97	96	65	77	93	96	87.3	4.9
25..	58.17	57.80	58.26	56.31	56.90	58.13	57.60	25.3	25.5	29	29	24.8	23.7	26.2	32.1	23.5	93	90	71	71	87	91	83.8	9.2
26..	57.24	57.46	58.05	56.62	56.77	58.39	57.42	24.5	24.5	28	29.8	27.7	26	26.8	31.6	23.9	93	95	75	69	85	84	83.5	......
27..	57.94	57.84	58.27	57.04	57.46	59.48	58	25.7	25.8	30.5	30.9	27.4	25.6	27.6	31.3	24.4	92	93	70	69	84	93	83.5	......
28..	58.85	59.04	59.13	57.93	57.47	59.35	58.63	24.9	24.3	31.3	28.9	26.9	25.5	27	32.1	23.8	92	91	64	74	88	90	83.2	2.8
29..	58.26	59.06	59.35	57.17	57.08	58.12	58.17	24.6	24	29.8	28.8	27.4	25.4	26.7	32.3	23.3	84	87	69	76	85	94	82.5	2.2
30..	56.99	56.86	56.98	55.49	55.54	56	56.31	24.5	24.3	29.4	29.4	27.3	25.5	26.7	30.7	23.4	94	95	70	70	88	92	84.8	8.5
Mean	57.94	58.05	58.58	56.98	57.32	58.78	57.94	25.3	25.3	30.3	29.8	28	26.2	27.5	31.9	24.2	90.7	90.9	68.6	72	80.5	87	81.6	
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	120.7

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction.		Amount.	Form and direction.	
															Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	Calm	....	Calm	....	SSE	1	Calm	....	Calm	....	Calm	....	0.2	1	Ci.	Cu.	4	....	Cu. NE
2..	Calm	....	Calm	....	SE	2	WNW	2	Calm	....	Calm	....	.7	1	Ci.	....	7	Ci.-S.	Cu. ENE
3..	Calm	....	Calm	....	SE	1	Calm	....	SE	1	Calm	....	.3	10	Ci.-S.	....	10	Ci.-S.	Cu.-N.
4..	Calm	....	Calm	....	SSE	1	SSE	2	S	1	Calm	....	.7	8	Ci.-S.	Cu.	10	Ci.-S. SW	Cu.
5..	Calm	....	Calm	....	Calm	....	NE	1	Calm	....	Calm	....	.2	7	Ci.-S. E	Cu.	10	....	N.
6..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	9	A.-Cu. SE	Cu.	10	Ci.-S.	N.
7..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	10	Ci.-S.	Cu.	10	....	N.
8..	Calm	....	Calm	....	SSW	1	SW	1	Calm	....	Calm	....	.3	10	Ci.-S.	Cu.-N.	10	Ci.-S.	N.
9..	Calm	....	SW	1	SSW	3	SSW	2	SSW	4	S	2	2	10	Ci.-S.	Cu.	10	....	N.
10..	Calm	....	Calm	....	S	1	Calm	....	Calm	....	SSW	1	.3	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	Cu.-N. SW
11..	SSW	1	SSW	2	SSW	3	SSW	4	SSW	1	S	1	2	10	A.-Cu.	Cu. SSW	10	A.-Cu. SSE	....
12..	SSW	1	SSW	3	S	1	SSE	2	SE	1	SW	2	1.7	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
13..	SSW	1	Calm	....	SE	1	SSE	2	Calm	....	SW	1	.8	7	A.-Cu.	Cu.	8	A.-Cu.	Cu. SW
14..	Calm	....	Calm	....	SE	2	SSE	3	Calm	....	Calm	....	.8	1	....	Cu.	1	Ci.	Cu.
15..	Calm	....	Calm	....	SW	1	SE	2	SSE	1	Calm	....	.7	9	A.-Cu. SE	Cu.	6	A.-Cu.	Cu. W
16..	Calm	....	Calm	....	Calm	....	SE	2	Calm	....	Calm	....	.3	1	Ci.-S.	....	2	Ci.-S.	Cu.
17..	Calm	....	Calm	....	SE	2	SE	1	Calm	....	Calm	....	.5	8	Ci.-S.	Cu.	7	Ci.-S.	Cu.
18..	Calm	....	Calm	....	Calm	....	S	3	SSW	1	Calm	....	.7	9	Ci.-S. E	Cu.	9	Ci.-S.	Cu. SW
19..	Calm	....	Calm	....	SSW	2	SW	2	Calm	....	Calm	....	.7	10	Ci.-S.	....	9	Ci.-S.	Cu. WSW
20..	Calm	....	Calm	....	Calm	....	ESE	1	Calm	....	Calm	....	.2	9	A.-Cu. WSW	Cu.	9	A.-Cu.	Cu. W
21..	Calm	....	Calm	....	SSW	1	WNW	1	SSW	2	SW	1	.8	1	A.-Cu.	Cu.	2	A.-Cu.	Cu. WSW
22..	Calm	....	Calm	....	SE	2	SE	3	Calm	....	Calm	....	.8	6	A.-Cu.	Cu.	9	Ci.-S.	Cu.
23..	Calm	....	Calm	....	SE	2	S	2	Calm	....	Calm	....	.7	5	A.-Cu.	....	9	Ci.-S.	Cu.
24..	Calm	....	Calm	....	SW	1	WSW	2	Calm	....	Calm	....	.5	10	Ci.-S.	Cu.-N.	10	Ci.-S.	N. W
25..	Calm	....	Calm	....	SSW	2	SSW	2	W	1	Calm	....	.8	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. W
26..	Calm	....	Calm	....	SSW	2	SSW	1	Calm	....	Calm	....	.5	10	Ci.-S.	N.	10	A.-Cu.	Cu. WSW
27..	Calm	....	Calm	....	SSE	2	SSE	2	Calm	....	Calm	....	.7	9	A.-Cu.	Cu. SSE	1	Ci.	Cu.
28..	Calm	....	Calm	....	S	1	Calm	....	Calm	....	Calm	....	.2	3	Ci. ENE	Cu.	9	....	N.
29..	NNE	1	NNE	1	NW	1	SE	1	Calm	....	Calm	....	.7	8	A.-Cu. E	Cu.	6	A.-Cu. NE	Cu.
30..	Calm	....	Calm	....	WNW	1	Calm	....	Calm	....	Calm	....	.2	10	Ci.-S.	Cu. N	10	Ci.-S.	Cu.-N. NNW
Mean	......	0.1	......	0.2	......	1.2	......	1.5	......	0.4	......	0.3	0.6	7.4	....	....	7.9	....	....

TAGBILARAN

[φ=9° 38′ N; λ=123° 51′ E; barometer above sea, 21.3 meters; gravity correction not applied, —1.86 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	55.24	55.29	55.78	54.75	55.44	56.87	55.56	25	25.2	29.8	29.1	26.9	26.4	27.1	30.9	24.3	96	96	71	71	82	83	83.2	2
2..	56.98	57.36	58.39	57.63	58.13	60.19	58.11	25.3	24.8	29.4	30.1	27.5	25.6	27.1	30.4	23.9	84	86	67	66	81	93	79.5	......
3..	59.13	60.01	60.33	59.07	59.14	60.82	59.75	24.3	24.7	30.4	29.8	27.4	25.4	27	31.3	23.4	94	92	74	75	83	89	84.5	......
4..	60.10	60.13	59.83	58.57	59.04	60.32	59.66	24.1	23.7	30.5	29.4	26	24.7	26.4	31.1	23.1	93	96	72	77	92	93	87.2	12.4
5..	59.53	59.44	59.60	58.43	58.74	59.75	59.25	23	23.6	28.7	25.5	26	24.2	25.2	30.4	22.5	97	94	73	86	90	92	88.7	9.7
6..	59.44	59.23	59.40	57.82	58.87	60.46	59.20	24	24.5	29	30.1	25.5	24.1	26.2	30.9	23.2	97	97	73	73	91	91	87	......
7..	60	60.04	60.76	59.13	59.83	61.08	60.14	23.4	23.4	31	30.5	27.2	24.9	26.7	31.5	22.4	92	93	64	68	84	87	81.3	......
8..	60.31	60.28	60.54	59.06	58.98	60.53	59.95	24.1	24.3	29.6	28.7	28.5	26.3	26.9	31.3	23.2	94	93	73	80	82	92	85.7	......
9..	59.35	59.23	59.37	57.69	57.83	59.40	58.81	24.5	23.9	30.5	26.8	27.5	25.1	26.4	31	23	92	93	60	89	87	94	85.8	2.2
10..	58.50	59.08	59.39	57.49	57.95	59.60	58.67	23.7	24.2	29.6	27.9	27.6	25.3	26.4	29.7	23.2	96	94	76	80	79	92	86.2	......
11..	58.61	58.98	59.43	57.52	58.62	60.27	58.90	24.3	23.9	30.6	31.6	28.2	26	27.4	32	23.5	93	95	70	64	79	93	82.3	......
12..	58.92	59.48	60.20	58.47	58.14	59.82	59.17	24.7	24.4	28.2	28	27.5	25.1	26.3	30.4	23.8	92	93	81	83	90	94	88.8	.5
13..	58.51	58.58	59.84	58.15	58.53	60.07	58.95	23.9	24.2	29.3	28.3	27	25	26.3	30.3	23.1	95	92	75	72	84	87	84.2	......
14..	58.95	58.78	59.33	57.74	58.14	59.59	58.76	24.9	23.8	29	28.8	26	26.6	26.5	32	23	87	95	74	73	90	86	84.2	4.1
15..	58.70	58.81	58.10	56.72	56.73	58.90	57.99	26.1	24.1	28.7	30.8	28	25.9	27.3	32	23.5	91	95	74	67	79	88	82.3	3.6
16..	57.68	58.07	58.38	56.76	57.13	58.80	57.80	26.2	24.9	26.3	30.3	28.6	25.5	27	32.6	23.9	86	95	86	65	71	91	82.3	10.9
17..	58.05	58.34	58.90	57.53	58.45	59.28	58.42	23.9	24.4	28.8	28.8	24.3	23.9	25.7	32	23.4	96	93	73	76	93	95	87.7	47.5
18..	58.48	57.49	58.40	56.87	57.02	58.23	57.75	24	23.2	28	27.7	25.8	24.4	25.5	30.2	22.7	94	97	80	82	90	92	89.2	2.4
19..	57.08	56.53	56.99	55.14	55.86	57.46	56.51	23.6	23.4	29.2	31.5	23.9	24.5	26	32.2	22.6	93	94	72	62	95	96	85.3	33.3
20..	56.03	56.19	56.54	55.64	56.13	57.10	56.27	23.4	23.1	30.1	26.8	26.6	24.9	25.8	31.5	22.5	97	97	71	83	90	93	88.5	13
21..	55.95	55.95	56.91	55.20	56.37	57.78	56.36	24.4	24.1	25	28.8	25.8	24.3	25.4	29.9	23.3	95	97	94	77	85	94	90.3	25.9
22..	56.16	56.54	57.03	55.08	55.73	57.32	56.31	24.4	24.7	30.3	29.4	27.9	25.8	27.1	31.4	23.1	93	92	71	76	77	94	83.8	1.8
23..	56.25	56.39	57.08	55.43	56.07	57.90	56.52	25.5	25.5	28.6	30.3	27.8	26	27.3	31.8	24.8	91	90	74	72	74	83	80.7	......
24..	56.43	56.41	57.49	55.93	56.54	57.99	56.80	25.4	24.6	29.5	29.9	27.9	26.6	27.3	32.1	24	88	94	72	71	83	90	83	......
25..	56.87	57.04	57.97	56.19	56.06	57.49	56.94	26.3	26.2	30.4	31.1	29	27	28.3	32.2	25.2	92	93	68	66	71	83	78.8	......
26..	56.89	56.50	57.26	55.83	55.49	56.66	56.44	26.8	26.7	25.6	27	26.1	26.6	26.5	29.1	24.3	84	85	89	80	84	74	82.7	5.9
27..	55.19	55.45	55.81	54.90	54.87	55.87	55.35	25.9	26.5	26.7	26.7	26.1	26.6	26.4	27	25.4	76	74	86	88	89	84	82.8	1.6
28..	56.31	56.16	56.90	55.79	55.74	56.58	56.25	25.2	25.3	28	29.5	27.5	26.9	27.1	29.7	23.8	83	87	76	63	70	83	77	.3
29..	55.95	55.53	55.82	54.73	55.13	56.04	55.53	26.4	25.9	28.8	30.8	28.4	27.3	27.9	30.8	25.4	87	91	76	64	73	83	79	......
30..	55.21	55.10	55.23	54.06	54.13	55.82	54.92	26.8	26.2	31.2	32.2	29.1	26.9	28.7	32.9	25.9	86	89	61	57	70	84	74.5	......
31..	55.43	55.63	56.02	54.77	55.30	57.58	55.79	26.7	26	32	32.9	29	27.6	29	33.1	25.7	86	90	61	51	69	79	72.7	......
Mean	57.62	57.68	58.16	56.71	57.10	58.57	57.64	24.8	24.6	29.1	29.3	27.1	25.7	26.8	31.1	23.7	91	92.3	73.8	72.8	82.5	88.8	83.5	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	177.1

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	Calm	....	Calm	....	SSW	1	WSW	3	SW	3	SW	3	1.7	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
2..	SW	1	SW	2	SSW	3	S	3	Calm	....	Calm	....	1.5	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
3..	Calm	....	Calm	....	SSE	1	SSE	1	Calm	....	Calm	....	.3	8	Ci.-S. NE	Cu.	9	Ci.-S.	Cu.
4..	Calm	....	Calm	....	WNW	1	Calm	....	Calm	....	Calm	....	.2	10	Ci.-S.	Cu. NE	8	Ci.-S.	Cu.-N. NE
5..	Calm	....	Calm	....	W	1	Calm	....	Calm	....	Calm	....	.2	10	Ci.-S.	N.	7	....	Cu.-N.
6..	Calm	....	Calm	....	S	1	SSE	2	Calm	....	Calm	....	.5	10	Ci.-S.	Cu.	7	Ci.-S. S	Cu.
7..	Calm	....	Calm	....	NW	1	Calm	....	ENE	1	NE	1	.5	9	Ci.-S.	....	8	Ci. SE	Cu.
8..	Calm	....	Calm	....	WNW	1	Calm	....	Calm	....	Calm	....	.2	7	Ci.-S.	Cu.	9	Ci.-S.	N. NE
9..	Calm	....	Calm	....	WNW	1	Calm	....	Calm	....	Calm	....	.2	10	Ci.-S. SE	....	9	Ci.	N.
10..	Calm	....	Calm	....	WNW	1	Calm	....	Calm	....	Calm	....	.2	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N.
11..	Calm	....	Calm	....	SSE	1	SE	1	Calm	....	Calm	....	.3	9	A.-Cu. SE	Cu.	6	Ci.-S.	Cu.
12..	NNE	1	Calm	....	Calm	....	SSW	1	Calm	....	Calm	....	.3	10	Ci.-S.	Cu.	10	....	Cu.-N. NE
13..	Calm	....	Calm	....	SSE	2	Calm	....	Calm	....	Calm	....	.3	4	Ci.-S.	Cu.	10	Ci.-S.	Cu.
14..	NE	1	Calm	....	NW	1	Calm	....	Calm	....	SSW	1	.5	10	A.-Cu. SE	Cu.	7	....	Cu.-N. WSW
15..	Calm	....	Calm	....	SSW	1	SSE	2	Calm	....	Calm	....	.5	10	Ci.-S.	Cu.	3	Ci.-S.	Cu.
16..	Calm	....	Calm	....	S	1	S	2	S	1	S	1	.8	10	Ci.-S. ESE	Cu.	10	Ci.-S. SE	Cu.-N. WSW
17..	Calm	....	Calm	....	WNW	1	SSE	1	Calm	....	Calm	....	.3	7	Ci.-S. SE	Cu.	9	Ci.-S.	Cu.
18..	Calm	....	Calm	....	SSE	1	SSE	1	Calm	....	Calm	....	.3	4	A.-Cu. NE	....	8	Ci.-S.	Cu.-N.
19..	Calm	....	Calm	....	WNW	1	NW	1	S	1	Calm	....	.5	9	Ci.-S.	....	9	Ci.-S.	Cu.-N. NE
20..	Calm	....	Calm	....	Calm	....	NNE	2	Calm	....	Calm	....	.3	9	Ci.-S.	....	10	....	N.
21..	Calm	....	Calm	....	Calm	....	Calm	....	WSW	3	Calm	....	.5	10	Ci.-S.	Cu.	9	A.-Cu. SW	Cu. SW
22..	Calm	....	Calm	....	S	1	SE	1	SSW	3	Calm	....	.8	9	Ci.-S.	Cu.	9	Ci.-S.	Cu. SW
23..	Calm	....	Calm	....	SSW	1	NNW	1	WSW	1	Calm	....	.5	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.
24..	Calm	....	Calm	....	S	2	SW	1	Calm	....	Calm	....	.5	7	Ci.-S.	Cu.	10	Ci.-S.	Cu. WSW
25..	Calm	....	Calm	....	WSW	2	WSW	1	SW	1	Calm	....	.7	10	Ci.-S.	Cu. W	9	A.-Cu. NE	Cu.
26..	Calm	....	Calm	....	Calm	....	SW	2	S	1	WSW	3	1	10	Ci.-S.	Cu. WSW	10	Ci.-S.	N. W
27..	WSW	3	WSW	4	SSW	2	Calm	....	SSW	1	SSW	1	1.8	10	Ci.-S.	N. WSW	10	Ci.-S.	N. WSW
28..	SW	5	SSW	2	WSW	1	WSW	3	WSW	3	SSW	3	2.8	10	Ci.-S.	N.	10	Ci.-S.	Cu.
29..	S	1	S	1	SSW	2	SSW	3	WSW	2	Calm	....	1.5	10	A.-Cu. NW	Cu.	10	A.-Cu. NW	Cu.
30..	Calm	....	Calm	....	WSW	3	WSW	3	SW	2	Calm	....	1.3	10	A.-Cu. ENE	....	10	A.-Cu. E	....
31..	Calm	....	Calm	....	SSW	1	S	3	WSW	2	SW	1	1.2	1	Ci.	....	4	Ci.-S.	....
Mean	......	0.4	......	0.3	......	1.2	......	1.2	......	0.8	......	0.5	0.7	8.8	....	....	8.6	....	....

TAGBILARAN

[ϕ=9° 38′ N; λ=123° 51′ E; barometer above sea, 21.3 meters; gravity correction not applied, —1.86 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+[a]							Air temperature.[a]									Relative humidity.[a]							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	56.62	56.67	56.88	55.39	55.98	57.56	56.52	27.1	26.9	31.8	33.1	29.5	27.9	29.4	33.6	26.4	79	80	62	53	68	81	70.5	......
2..	56.59	57.14	57.30	56.36	56.87	58	57.04	27.8	25.8	31.6	29	25.8	26.4	27.7	31.7	24.9	81	81	62	73	83	79	76.5	0.8
3..	56.34	56.95	57.53	56.15	56.70	57.87	56.92	26.3	26.2	29.6	26.7	26.2	26.2	26.9	31.3	24.9	83	82	77	81	82	87	82	3.6
4..	56.67	56.55	57.44	55.64	56.43	58.13	56.81	26.6	26.6	28.4	30.5	28.3	26.6	27.8	30.6	24.7	86	85	77	67	76	77	78	.3
5..	56.57	57.32	57.87	56.61	56.97	58.12	57.24	26.3	27.4	29.7	30.4	28.9	27.8	28.4	31.3	24.6	87	87	71	69	74	75	77.2	......
6..	57.14	57.84	58.33	56.36	56.51	57.54	57.29	27.4	25.8	30	30.9	27.1	27	28	32	25	77	85	73	65	78	80	76.3	......
7..	56.43	55.83	56.13	54.25	55.01	56.93	55.76	26.2	27.2	32	33.4	29.4	28.4	29.4	33.4	25.6	86	85	64	54	74	80	73.8	......
8..	56.04	55.46	55.86	54.20	54.68	56.41	55.44	26.4	27.4	31.8	31.9	29.2	28.1	29.1	32.7	25.3	84	78	61	59	75	82	73.2	......
9..	55.42	55.57	56.35	54.79	55.60	57.03	55.79	27.8	27.2	32	33.2	29	28.4	29.6	34.1	26.6	82	79	62	55	74	76	71.3	......
10..	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
11..	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
12..	55.92	56.18	56.81	55.10	55.83	57.28	56.19	27.8	27.6	32.3	34	29.1	27.8	29.8	34.4	27.1	82	82	60	48	72	84	71.3	......
13..	57.04	57.14	57.80	56.09	56.67	58.62	57.23	27.4	26.8	32	32.7	29.5	28.3	29.4	34.4	26.2	82	80	60	55	68	77	70.3	......
14..	58.28	58.64	59.30	56.76	57.67	59.34	58.33	26.7	26.1	32.1	34.2	29.2	26.3	29.1	34.5	25.4	85	88	57	49	72	86	72.8	......
15..	58.37	58.79	58.57	57.27	58.01	59.62	58.44	26.2	26.5	32.5	35	29.9	27.3	29.6	35.2	26	85	84	58	45	62	73	67.8	......
16..	58.57	59.32	60.03	58.05	58.76	59.60	59.06	25.5	27	32.5	35	29.7	26.8	29.4	35.3	24.9	86	85	56	45	62	77	68.5	......
17..	58.71	58.83	59.30	57.23	57.92	59.50	58.58	25.2	25	33.9	34.3	29.7	28.1	29.4	35.4	24.2	86	88	52	51	69	74	70	......
18..	58.29	58.32	58.35	56.32	56.76	58.68	57.79	27.1	27.1	32	33.5	28.5	28.1	29.4	34.3	26.1	79	78	54	54	70	72	67.8	......
19..	57.01	57.58	58	57.45	57.45	57.93	57.57	27.1	27.4	31	26.3	25.6	24.6	27	31.3	24.3	74	72	56	88	85	91	77.7	7.7
20..	56.73	56.91	57.92	56.26	57.56	59.62	57.50	25.6	24.5	30.5	30.6	28.8	27.8	28	32.2	23.9	84	88	69	64	65	75	74.2	6.9
21..	59.45	59.05	59.23	57.42	57.64	59.37	58.69	24.7	24.7	30.8	31.9	28.3	26.1	27.8	32	23.9	94	95	69	62	76	89	80.8	......
22..	58.20	58.84	59.03	57.01	57.67	59.17	58.32	24.3	24	32.5	32.3	28.6	25.9	27.9	34.8	23.3	93	96	59	61	78	89	79.3	......
23..	57.92	58.19	58.45	56.49	56.68	58.48	57.70	25.2	24.6	32.4	33.1	29.1	27.6	28.7	34.4	23.5	89	90	53	56	75	68	71.8	......
24..	57.56	57.38	57.55	55.89	56.92	58.42	57.29	26.1	26.6	32	33.4	28.9	27	29	34.3	24.8	86	85	60	55	74	77	72.8	......
25..	57.52	57.47	58	56.31	56.51	59.13	57.49	26.9	26.8	32.3	32.1	29.8	25.9	29	33.6	25	81	83	62	62	60	82	71.7	......
26..	58.56	57.69	59.11	57.75	58.26	59.82	58.53	26.7	26.5	31.6	31.3	28.5	25.3	28.3	32.9	24.6	84	86	64	66	75	88	77.2	......
27..	59.32	59.50	59.54	57.28	58.46	59.65	58.96	24.2	23.8	31	33.1	25	23.4	26.8	34.4	23	93	95	59	56	90	93	81	3.1
28..	57.71	57.54	58.01	56.26	56.26	58.13	57.32	23.5	23.4	32.5	33.2	28.4	27.4	28.1	34	22.7	95	97	57	56	70	74	74.8	......
29..	56.82	56.53	57.04	55.86	56.33	57.88	56.74	27.2	26.9	30.8	29.5	28.2	26.4	28.2	31	26.1	75	77	63	67	69	80	71.8	......
30..	57.25	57.71	58.33	56.92	57.74	58.82	57.80	27.3	25.5	31.7	33.3	25.8	25.5	28.2	33.6	24	75	82	60	53	76	78	70.7	2.5
31..	57.80	58.24	58.39	56.24	56.72	58.53	57.65	24.5	25.7	31	31.6	27.9	25.3	27.7	32.4	23.8	84	81	64	59	77	84	74.8	......
Mean	57.41	57.56	58.02	56.33	56.92	58.45	57.45	26.2	26.1	31.5	32.1	28.3	26.8	28.5	33.3	24.9	84	84.6	62.1	59.6	73.4	80.3	74	......
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	24.9

Day.	Wind.[a]													Clouds.[a]					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	Calm	....	SSW	1	S	2	WSW	3	SSW	1	SSW	2	1.5	2	A.-Cu.	....	8	A.-Cu. ESE	....
2..	SSW	1	Calm	....	SW	2	WSW	2	Calm	....	SSW	2	1.2	9	A.-Cu. NE	....	10	Ci.-S.	Cu.-N. WSW
3..	Calm	....	SSW	1	SW	1	W	3	Calm	....	SW	1	1	9	A.-Cu.	Cu.	10	Ci.-S.	Cu.-N. W
4..	SW	1	SW	1	SSW	3	SW	3	SW	3	NW	3	2.3	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. WSW
5..	SSW	1	SSW	2	S	3	SSW	3	WSW	3	SSW	3	2.5	10	Ci.-S.	Cu.	9	Ci.-S.	....
6..	SSW	3	SSW	2	SSW	2	SSW	3	WNW	2	SSW	3	2.5	9	Ci.-S.	....	10	Ci.-S.	Cu.
7..	SSW	2	SSW	2	SSW	3	SSW	4	SW	2	SSW	3	2.7	9	Ci.-S.	Cu. SW	2	A.-Cu.	Cu.
8..	SW	4	SSW	3	SW	4	SW	5	SW	3	SSW	3	3.7	9	Ci.-S.	Cu.	8	A.-Cu. W	....
9..	SSW	3	SSW	1	WSW	4	WSW	5	WSW	4	SSW	3	3.3	7	A.-Cu.	Cu. WSW	9	Ci.	Cu. WSW
10..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
11..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
12..	SSW	3	SSW	3	SSW	4	SW	5	S	3	SSW	1	3.2	10	Ci.-S.	Cu.	10	Ci.-S. ENE	Cu.
13..	S	2	Calm	....	SSW	1	SSW	2	WSW	2	SW	2	1.5	10	Ci.-S.	....	6	A.-Cu. WSW	....
14..	Calm	....	Calm	....	SSW	3	SW	2	SSW	1	Calm	....	1	10	A.-Cu. NE	....	7	Ci.-S.	....
15..	Calm	....	Calm	....	S	2	SSW	1	W	1	Calm	....	.7	7	A.-Cu. ENE	....	1	A.-Cu. E	....
16..	Calm	....	Calm	....	SSW	3	SW	1	SSW	1	Calm	....	.8	7	A.-Cu. E	....	1	Ci.-S.	....
17..	Calm	....	Calm	....	SW	1	S	2	Calm	....	WSW	1	.7	1	A.-Cu.	....	4	....	Cu. NW
18..	Calm	....	WSW	1	WNW	1	WSW	2	WSW	2	SW	1	1.2	3	Ci.-S.	....	9	Ci.-S. NE	Cu.
19..	SW	1	SW	1	SSW	2	SW	1	SSW	1	Calm	....	1	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N. WNW
20..	SW	3	Calm	....	SSW	2	WSW	4	WSW	2	SW	1	2	10	Ci.-S.	N.	9	A.-Cu.	Cu.
21..	Calm	....	Calm	....	SE	1	SE	2	Calm	....	Calm	....	.5	8	A.-Cu. SW	Cu.	6	Ci.-S.	Cu. SW
22..	Calm	....	Calm	....	NW	1	S	1	Calm	....	Calm	....	.3	10	Ci.	Cu.	2	....	Cu. WNW
23..	Calm	....	Calm	....	WSW	2	WSW	2	WSW	2	WSW	2	1.3	9	Ci.-S.	....	6	Ci.	Cu. WNW
24..	Calm	....	Calm	....	WSW	3	SSW	3	SW	1	Calm	....	1.2	9	Ci.	Cu.	6	A.-Cu.	Cu. WNW
25..	Calm	....	Calm	....	SSW	1	SE	2	SSW	1	Calm	....	.7	2	Ci.-S.	....	2	Ci.-S.	Cu. SW
26..	Calm	....	Calm	....	S	2	SSE	2	Calm	....	Calm	....	.7	10	Ci.-S.	....	8	Ci.-S.	Cu. WNW
27..	Calm	....	Calm	....	NW	1	S	2	NNE	1	Calm	....	.7	10	Ci.-S.	....	10	Ci.-S.	Cu. WNW
28..	Calm	....	Calm	....	W	1	WSW	1	WSW	1	WSW	1	.7	9	A.-Cu. NE	....	10	Ci.-S.	Cu.
29..	WSW	1	Calm	....	SW	1	WSW	2	Calm	....	Calm	....	.7	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
30..	SW	3	Calm	....	WSW	1	SSW	4	W	3	SW	2	2.2	10	Ci.-S.	Cu. WSW	9	Ci.-S. NNE	Cu. WSW
31..	S	1	SSW	1	SSW	2	S	2	Calm	....	Calm	....	1	8	A.-Cu. SW	....	9	Ci.-S. NE	Cu.
Mean	......	1	......	0.7	......	2	......	2.6	......	1.4	......	1.2	1.5	8.2	....	....	7.3	....	....

[a] 29 days of observation.

TAGBILARAN

[ϕ=9° 38′ N; λ=123° 51′ E; barometer above sea, 21.3 meters; gravity correction not applied, —1.86 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.et.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.54	57.74	57.52	56.04	57.03	58.57	57.41	26.5	26.2	32.5	34.2	30	27.5	29.5	34.8	24.5	84	88	62	50	60	78	70.3	......
2..	58.41	58.41	59.41	57.87	58.20	60.31	58.77	26.9	26.7	32.1	31.8	28.9	27.5	29	33.2	25.9	84	86	66	61	71	83	75.2	......
3..	59.11	59.57	60.25	58.37	58.45	60.31	59.34	25.5	24.6	31.6	29.1	28.4	25.9	27.5	33.3	23.8	87	92	64	82	81	87	82.2	1.7
4..	59.54	59.48	59.62	57.76	58.46	59.77	59.10	24.9	25.6	31.1	31.7	28.7	25.9	28	32.7	24.3	93	90	64	61	75	88	78.5	......
5..	58.64	58.93	58.98	57.04	57.66	59.59	58.47	25.1	25	31.6	28.2	24.4	23.5	26.3	32.1	23.2	84	83	60	80	93	97	82.8	18.2
6..	58.04	57.98	58.65	56.70	56.95	58.80	57.85	23.9	23.8	26.4	26.9	26.3	23.4	25.1	27.6	22.7	95	96	88	81	85	97	90.3	45.8
7..	56.81	57.11	58.22	56.30	56.74	57.84	57.17	24.1	23.4	28.4	28.1	25.3	25.1	25.7	30.4	23	95	97	73	75	88	94	87	13.2
8..	56.70	57.10	58.10	56.59	57.53	58.49	57.42	22.9	24	28.1	29	23.2	23.9	25.2	29.1	22.4	97	97	77	74	95	96	89.2	12.2
9..	57.79	58.14	59.24	57	57.71	58.56	58.07	23.8	23.4	28	29.1	25.1	25.1	25.8	29.7	23	96	97	80	72	83	83	85.2	3.5
10..	57.41	57.61	58.55	56.04	56.62	57.25	57.25	24.6	24.9	28.8	29.1	26.4	25.8	26.6	29.2	23.5	83	80	71	71	84	86	79.2	......
11..	55.95	55.84	57	55.41	55.37	56.29	55.98	25.6	25.9	24.7	28.2	24	24.5	25.5	28.3	23.6	84	82	89	73	93	90	85.2	14.3
12..	55.51	55.75	55.86	54.98	55.67	56.67	55.74	24.6	23.7	25.5	24.1	23.7	25	24.4	25.5	22.9	88	97	88	89	92	87	90.2	26.4
13..	55.74	56.71	57.71	55.74	56.63	57.73	56.71	25	24.1	26.7	27.4	26.4	24.9	25.8	27.8	23.6	88	96	85	73	74	90	84.3	3.8
14..	57.31	57.90	58.18	56.40	56.60	58.50	57.48	25.4	26.1	30.5	29.1	26.5	26.1	27.3	31.1	24.5	88	86	68	77	83	85	81.2	5
15..	57.63	58.06	58.27	56.50	57.08	58.89	57.74	24.4	25.1	30.5	28.6	27.4	25.1	26.8	31.4	23.9	88	84	61	74	78	93	79.7	1.8
16..	57.61	58.36	58.89	56.84	57.81	59.61	58.19	24.2	23.4	29.4	30	28.1	24.8	26.6	31.9	22.8	94	96	73	75	78	93	84.8	1.3
17..	58.65	59.55	59.96	58.05	58.97	60.64	59.30	24.3	24.4	27.6	29.9	26	24.5	26.1	30.2	23.7	97	97	85	73	88	93	88.8	16.1
18..	60.20	59.76	60.49	58.12	59.28	60.62	59.74	23.9	23.5	29.2	30.3	25.5	25.6	26.3	31.3	23	94	96	74	70	90	92	86	3.6
19..	59.50	59.88	60.15	57.70	58.42	59.96	59.27	24.1	24.3	29.7	28.6	25.6	24.9	26.2	30.7	23.8	97	96	71	75	90	93	87	......
20..	58.71	58.99	59.35	57.42	57.83	59.55	58.64	24.1	24.4	30.7	29.2	27.3	25.9	26.9	31.9	23.3	96	95	68	76	84	92	85.2	13.5
21..	59.11	59.28	59.93	57.19	57.80	59.70	58.84	24.5	23.9	30.7	28.6	26.3	24.8	26.5	31.8	23.5	92	95	69	75	88	94	85.5	......
22..	58.94	59.02	59.73	57.38	57.54	58.99	58.60	24	23.4	30.3	29.1	27.4	25.4	26.6	31.9	22.7	95	96	72	78	87	93	86.8	2.3
23..	58	58.61	59.14	57.21	57.58	59.38	58.32	23.9	24	30	31	25.8	24.9	26.6	31.5	23.2	97	96	76	67	94	95	87.5	7.9
24..	58.29	58.21	58.84	57.45	57.75	59.25	58.30	23.3	23.7	30.8	27.8	26.4	25	26.2	31.2	23	97	95	67	86	94	95	89	17.4
25..	57.95	58.29	58.95	57.08	57.93	59.52	58.29	24.5	24.1	32.1	31.2	27	25.3	27.4	32.4	23.4	95	94	62	71	90	93	84.2	12.7
26..	58.50	58.78	59.59	57.46	57.78	59.39	58.58	24.4	24.2	30.8	31	28.4	25	27.3	32	23.4	95	95	62	67	80	91	81.7	......
27..	58.36	58.39	59.35	57.42	57.88	59.43	58.47	23.6	23.7	30.1	28.3	27.2	23.6	26.1	32.3	23	95	94	73	75	86	96	86.5	35.6
28..	58.23	58.64	59.25	57.20	58.03	59.33	58.45	23.4	23.2	30.5	27.5	26.2	24.9	26	31.3	22.3	97	97	67	80	85	90	86	......
29..	58.61	58.94	59.14	56.78	58	59.08	58.42	24	24.5	30.7	29.7	26.9	24.7	26.8	31.5	23.5	92	92	67	72	84	92	83.2	7.9
30..	58.65	58.88	59.25	56.79	57.75	58.51	58.30	24.4	23.8	28.5	28.6	25.9	25.1	26	30.7	23.4	94	97	77	76	92	91	87.8	......
Mean	58.05	58.33	58.92	56.96	57.57	59.02	58.14	24.5	24.4	29.6	29.2	26.5	25.1	26.5	31	23.4	92	92.7	72	73.6	84.8	90.9	84.4	......
Total	.....	.....	.....	.....	.....	.....	......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	......	264.2

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction.		Amount.	Form and direction.	
															Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	S	1	Calm	....	S	2	SSW	1	WSW	1	SSE	1	1	9	Ci.-S.	....	8	Ci.-S.	Cu. W
2..	Calm	....	Calm	....	SE	3	SE	2	Calm	....	Calm	....	.8	7	Ci.-S.	Cu.	9	Ci.-S. NE	Cu.
3..	Calm	....	Calm	....	SSE	2	Calm	....	Calm	....	Calm	....	.3	1	Ci.-S.	....	6	Ci.-S.	Cu.-N.
4..	Calm	....	Calm	....	NW	1	SE	2	SE	1	Calm	....	.7	9	A.-Cu. NE	Cu. N	9	Ci.-S. ENE	Cu.
5..	Calm	....	NNE	1	W	1	SSE	1	Calm	....	Calm	....	.5	10	Ci.-S.	Cu.-N. NE	10	Ci.-S.	N. S
6..	Calm	....	Calm	....	Calm	....	W	1	Calm	....	Calm	....	.2	10	A.-Cu.	Cu.	10	Ci.-S.	N. NE
7..	Calm	....	Calm	....	NW	1	S	1	ESE	1	Calm	....	.5	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. NW
8..	Calm	....	Calm	....	SSW	1	SW	1	Calm	....	Calm	....	.3	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.
9..	Calm	....	Calm	....	SSW	1	SSW	2	WSW	1	Calm	....	.7	10	Ci.-S.	....	10	Ci.-S.	Cu. W
10..	Calm	....	SW	1	NW	2	WNW	1	Calm	....	SSW	1	.8	10	Ci.-S.	Cu. W	10	Ci.-S.	Cu.-N. WSW
11..	SW	1	WSW	1	W	1	WSW	2	SSW	1	SSW	2	1.3	10	Ci.-S.	Cu.-N. WNW	10	Ci.-S.	Cu.-N.
12..	WSW	3	Calm	....	SW	3	WSW	1	Calm	....	WSW	2	1.5	10	....	N.	10	Ci.-S.	N.
13..	SW	2	SSW	2	SSW	3	WSW	3	W	3	Calm	....	2.2	10	....	N.	10	Ci.-S.	Cu.-N. WSW
14..	SSW	1	SW	1	WSW	2	SW	1	SSW	1	SSW	1	1.2	10	Ci.-S.	Cu. WSW	9	A.-Cu. SW	Cu.
15..	Calm	....	SSW	1	S	2	SSE	1	WSW	1	Calm	....	.8	10	A.-Cu.	Cu.-N. SW	10	A.-Cu.	Cu.-N. W
16..	Calm	....	Calm	....	SSE	1	SSE	1	Calm	....	Calm	....	.3	9	Ci.-S. NE	Cu.	9	Ci.-S. NE	Cu.
17..	Calm	....	Calm	....	SSW	1	S	1	Calm	....	Calm	....	.3	10	Ci.-S.	Cu.-N.	9	A.-Cu. NW	Cu. W
18..	NE	1	Calm	....	SSE	1	W	1	Calm	....	N	1	.7	10	Ci.-S.	N.	8	Ci.-S.	Cu.
19..	Calm	....	Calm	....	SSE	2	Calm	....	Calm	....	Calm	....	.3	8	A.-Cu.	Cu.	9	Ci.-S.	Cu.-N.
20..	Calm	....	Calm	....	SSE	1	Calm	....	Calm	....	Calm	....	.2	9	Ci.-S.	Cu. NE	9	....	Cu.
21..	W	1	Calm	....	SSE	1	Calm	....	Calm	....	Calm	....	.3	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.
22..	Calm	....	Calm	....	WNW	1	Calm	....	Calm	....	Calm	....	.2	2	A.-Cu. SE	Cu.	9	Ci.-S.	Cu.-N. NE
23..	Calm	....	Calm	....	NNE	1	SSE	1	Calm	....	NW	1	.5	7	A.-Cu.	Cu. ENE	6	Ci.-S.	Cu. ENE
24..	Calm	....	Calm	....	ENE	1	SSE	1	Calm	....	Calm	....	.3	9	Ci.-S. NW	....	5	....	Cu.-N. NE
25..	Calm	....	NE	1	NE	1	NNE	2	Calm	....	Calm	....	.7	7	Ci.-S.	Cu.	9	A.-Cu.	Cu. NE
26..	Calm	....	Calm	....	NE	2	SSE	2	Calm	....	Calm	....	.7	3	Ci.-S.	Cu.	3	Ci.-S.	Cu.
27..	Calm	....	Calm	....	WSW	1	SE	1	Calm	....	Calm	....	.3	3	Ci.-S.	Cu.	9	Ci.-S.	Cu. NNE
28..	Calm	....	Calm	....	SSE	2	NE	2	Calm	....	Calm	....	.7	3	Ci.-S.	Cu.	9	Ci.-S.	Cu.
29..	Calm	....	Calm	....	SSE	2	SE	2	Calm	....	ESE	1	.8	9	Ci.-S.	Cu.	9	Ci.-S.	Cu. NE
30..	SSE	1	Calm	....	W	1	SSE	2	NE	1	Calm	....	.8	10	Ci.-S.	....	9	Ci.-S.	Cu.-N.
Mean	......	0.4	......	0.3	......	1.5	......	1.2	......	0.4	......	0.3	0.7	8.2	....	....	8.7	....	....

TAGBILARAN

[φ=9° 38′ N; λ=123° 51′ E; barometer above sea, 21.3 meters; gravity correction not applied, —1.86 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.56	58.14	59.04	56.80	58.28	58.72	58.09	23.9	24	28.2	30.1	27.2	25.7	26.5	30.8	23.4	93	92	78	73	84	92	85.3	5.8
2..	57.56	57.83	58.32	55.51	56.38	58.15	57.29	24.8	24.6	30.6	31.5	27.7	25.8	27.5	32.8	24.2	95	97	70	59	81	90	82	....
3..	57.55	57.70	58.36	56.43	57.45	58.45	57.66	25.1	24.8	28.8	31	25	24.6	26.6	31.5	24.4	94	96	77	65	92	96	86.7	18
4..	57.60	58.21	58.88	57.02	57.61	58.92	58.04	25.6	24.1	29.3	30.1	27.4	26.8	27.2	31.9	23.3	93	97	73	73	83	83	83.7	....
5..	57.69	57.97	58.73	56.07	57.41	58.68	57.76	26.2	25.9	32.2	31.5	28	24.3	28	33	23.5	89	91	62	68	79	94	80.5	14.7
6..	57.63	57.99	58.98	56.34	57.70	58.91	57.92	24.3	24.7	29.7	28.9	25.1	24.4	26.2	30.7	23.8	95	96	78	77	86	91	87.2	....
7..	58.34	58.63	59.36	56.52	57.48	59.60	58.32	24	25.4	30.2	30.6	26.2	23.7	26.7	32	23.4	92	88	71	66	85	96	83	18.6
8..	58.71	58.08	58.99	56.27	57.34	58.81	58.03	24.6	24.6	28.3	28.6	25.7	25.2	26.2	29.2	23.6	92	90	77	75	81	88	83.8	.5
9..	57.96	58.03	58.74	56.93	57.53	58.55	57.96	25.1	24.3	29.6	30.5	26.8	26.6	27.2	30.9	23.7	91	96	75	66	81	84	82.2	3
10..	57.59	58.23	59.42	56.92	57.52	58.79	58.08	25.5	25.4	29.1	30.7	27.9	26.5	27.5	32.4	23.9	87	88	72	65	73	85	78.3	....
11..	57.93	58.89	59.58	57.74	59.02	59.82	58.83	25.1	24.7	29.5	29.9	26	25	26.7	31.2	24.3	87	89	75	74	93	94	85.3	.3
12..	58.71	60.13	60.55	58.26	58.63	60.13	59.40	24.4	24.8	31.2	32.8	27.8	25.9	27.8	32.8	23.9	96	95	68	58	85	94	82.7	....
13..	58.34	58.79	59.39	57.41	57.98	58.25	58.36	24.9	24.7	28.5	29.4	25.1	25	26.3	31	23.5	94	93	75	72	90	87	85.2	62.5
14..	55.88	55.37	54.97	51.56	54.86	56.15	54.80	24.5	23.2	23.3	25.3	24	23.1	23.9	26	22.6	94	97	96	84	96	97	94	84.9
15..	55.58	56.74	57.58	55.73	56.45	58.19	56.71	24.5	24.8	27.6	29.3	27.1	26.4	26.6	29.7	22.8	88	87	77	70	78	83	80.5	....
16..	57.66	58.33	58.48	56.69	57.12	59.02	57.88	25.8	24.9	31.4	30.9	27.3	25	27.6	32.1	23.8	84	91	63	67	81	91	79.5	....
17..	58.13	58.88	59.06	57.05	57.67	58.58	58.23	23.5	23.6	29.6	31.5	28.2	26	27.1	32.7	22.6	97	97	75	63	78	90	83.3	....
18..	57.67	58.03	58.58	56.10	56.86	58.38	57.60	24.8	24	30.5	32	28.1	26	27.6	32.4	23.7	94	97	66	60	83	91	81.8	....
19..	57.33	57.99	58.37	55.95	56.98	58.02	57.44	24.8	24.5	32.2	32.4	28.7	26.9	28.2	33.1	24	92	94	58	57	78	90	78.2	....
20..	56.79	58.40	58.97	57.07	58.11	59.15	58.08	26	25.3	30.5	29.1	26.8	25.1	27.1	30.5	24.5	91	92	72	74	85	94	84.7	1.8
21..	58.10	58.66	59.77	57.53	58.48	59.75	58.72	24.8	24.1	30.7	29.4	26.8	25.2	26.8	33	23.2	96	97	68	72	82	87	83.7	....
22..	59.16	59.53	59.27	57.57	58.12	59.77	58.90	24.8	23.5	30.5	29.2	27.8	25.2	26.8	32.3	22.6	91	95	64	73	80	89	82	....
23..	58.70	59.14	59.86	57.84	58.56	60.05	59.02	23.9	23.7	30.6	30.1	27.7	25	26.8	32.2	23	91	93	66	69	76	91	81	....
24..	58.80	58.99	59.79	57.41	58.46	59.62	58.84	24.2	24.1	31.5	31.6	28	25.8	27.5	32.2	23.4	90	91	67	67	82	89	81	....
25..	58.57	59.49	60.08	57.36	58.71	60.14	59.06	24.6	24.5	31.4	31.1	27.7	24.7	27.3	32	23.5	92	91	64	64	79	93	80.5	10.8
26..	59.64	59.86	60.27	57.86	59	59.79	59.40	23.9	23.5	29.7	30.5	25.4	24.8	26.3	32	22.7	93	94	69	70	80	92	83	....
27..	59.28	59.85	60.72	58.41	58.78	60.20	59.54	23.8	24.1	31.1	30.7	27.2	25.5	27.1	31.8	23.3	96	95	67	67	87	90	83.7	....
28..	59.33	59.31	59.79	57.21	57.74	59.18	58.76	24.1	23.8	30.7	31	26	24.7	26.7	32.6	23.3	94	96	65	67	94	93	84.8	1.4
29..	58.19	58.68	58.60	56.57	57.33	59.09	58.08	24	23.9	29.6	27.8	25.2	25.1	25.9	30.8	23.5	94	95	78	85	92	92	89.3	7.1
30..	57.70	58.30	58.88	57.04	57.83	59.13	58.15	24.6	24	30.6	25.5	24.9	24	25.6	31.7	23	94	95	70	89	92	95	89.2	40.7
31..	58.19	58.90	59.55	57.11	57.89	59.28	58.49	22.9	22.5	29.6	30	25.1	23.9	25.7	31.2	21.9	96	96	70	67	90	92	85.2	....
Mean	58	58.49	59.06	56.78	57.72	59.01	58.18	24.6	24.3	29.9	30.1	26.7	25.2	26.8	31.6	23.4	92.4	93.6	71.2	69.5	84.1	90.7	83.6	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	270.1

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction.		Amount.	Form and direction.	
															Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	Calm	....	NE	1	SSE	2	SSE	2	Calm	....	Calm	....	0.8	10	Ci.-S.	Cu.-N. NE	9	Ci.-S. NE	Cu.
2..	Calm	....	Calm	....	W	1	NW	1	SW	1	Calm	....	.5	9	Ci.-S.	Cu. NW	9	Ci.-S.	Cu. NW
3..	Calm	....	Calm	....	S	2	SSE	1	Calm	....	Calm	....	.5	10	Ci.-S.	Cu. WSW	9	Ci.-S.	Cu.
4..	SW	1	Calm	....	Calm	....	S	1	SSE	2	SSW	2	1	9	Ci.-S. NE	Cu.	8	Ci.-S.	Cu. SW
5..	Calm	....	Calm	....	WSW	1	SE	3	SSW	2	S	1	1.2	9	Ci.-S.	Cu.	8	Ci.-S.	Cu. WSW
6..	Calm	....	Calm	....	SW	3	SSW	2	NNE	1	Calm	....	1	8	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu. W
7..	Calm	....	SW	1	SSW	2	S	1	SW	3	NE	1	1.3	10	Ci.-S.	Cu.	9	Ci.-S.	Cu. W
8..	Calm	....	SSW	1	SSW	4	SW	4	SSW	3	SW	3	2.5	10	Ci.-S.	Cu.-N.	9	A.-Cu.	Cu. SW
9..	Calm	....	Calm	....	S	3	SW	3	SSW	1	SSE	2	1.5	9	Ci.-S.	Cu.-N.	9	A.-Cu.	Cu. WSW
10..	Calm	....	S	1	SSW	1	SSW	1	Calm	....	Calm	....	.5	9	A.-Cu.	....	9	A.-Cu. NE	Cu. SW
11..	Calm	....	Calm	....	ESE	1	SE	1	Calm	....	Calm	....	.3	9	A.-Cu.	....	9	Ci.-S.	Cu. WNW
12..	Calm	....	Calm	....	WNW	2	NNE	2	S	1	Calm	....	.8	10	Ci.-S.	Cu.-N. NW	9	A.-Cu. NNW	Cu. NNW
13..	Calm	....	Calm	....	NNW	1	N	1	N	2	N	3	1.2	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
14..	NW	3	W	3	WSW	4	WSW	3	S	1	S	1	2.5	10	....	N.	10	Ci.-S.	N.
15..	S	2	SSW	3	SSW	3	SSW	3	SSW	3	SSW	2	2.7	10	Ci.-S.	Cu.-N.	9	A.-Cu. SW	Cu.
16..	S	1	Calm	....	S	1	SE	1	Calm	....	Calm	....	.5	8	A.-Cu. SE	....	1	....	Cu. SW
17..	Calm	....	Calm	....	Calm	....	SSE	1	Calm	....	Calm	....	.2	1	....	Cu. SSW	5	A.-Cu. WSW	Cu.
18..	Calm	....	Calm	....	WNW	1	SSW	1	Calm	....	Calm	....	.3	6	Ci.-S.	....	3	Ci.	Cu.
19..	Calm	....	Calm	....	SSW	1	SSW	1	Calm	....	Calm	....	.3	3	Ci.	....	5	Ci.	Cu. NW
20..	Calm	....	Calm	....	SSW	1	SSE	1	Calm	....	Calm	....	.3	10	Ci.-S.	Cu.-N.	10	A.-Cu.	Cu. NNW
21..	Calm	....	Calm	....	N	2	SSE	2	Calm	....	N	1	.8	1	Ci.-S.	....	8	....	Cu. NNE
22..	Calm	....	Calm	....	N	2	SSE	1	Calm	....	Calm	....	.5	4	A.-Cu.	....	8	....	Cu. NE
23..	N	1	Calm	....	WNW	2	SE	1	Calm	....	Calm	....	.7	1	A.-Cu.	....	7	Ci.-S.	Cu. NNE
24..	NNE	1	Calm	....	SSE	2	SSE	2	Calm	....	Calm	....	.8	2	Ci.	Cu.	7	Ci.-S.	Cu.
25..	Calm	....	NE	1	SSE	1	SSE	1	Calm	....	Calm	....	.5	8	Ci.-S.	Cu.-N. S	5	Ci.-S. NE	Cu.
26..	NNE	1	NE	1	NW	2	SE	1	Calm	....	Calm	....	.8	3	A.-Cu.	....	8	A.-Cu.	Cu. NW
27..	Calm	....	NE	1	SSE	1	SSE	1	Calm	....	Calm	....	.5	9	A.-Cu. SE	....	7	Ci.-S.	Cu. NNE
28..	NE	1	Calm	....	NE	2	WSW	2	Calm	....	Calm	....	.8	3	A.-Cu.	....	9	Ci.-S. ENE	Cu. NE
29..	Calm	....	Calm	....	Calm	....	WSW	1	Calm	....	Calm	....	.2	6	Ci.-S. ESE	Cu.	8	Ci.-S. ESE	Cu. NE
30..	Calm	....	NNE	1	SSE	2	Calm	....	Calm	....	Calm	....	.5	9	Ci.-S.	Cu. E	10	Ci.-S.	N.
31..	Calm	....	Calm	....	Calm	....	SE	2	Calm	....	Calm	....	.3	6	Ci.-S.	Cu.	9	Ci.-S.	Cu.
Mean	......	0.4	......	0.5	......	1.6	......	1.5	......	0.6	......	0.5	0.8	7.2	....	....	7.9	....	....

TAGBILARAN

[φ=9° 38′ N; λ=123° 51′ E; barometer above sea, 21.3 meters; gravity correction not applied, —1.86 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+ 2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Air temperature. 2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	Relative humidity. 2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Rain, 24 hours beginning 6 a. m.
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.40	58.96	59.50	57.57	58.14	59.19	58.63	23.4	24	30.4	27.5	26.4	25.1	26.1	32	22.8	96	94	68	81	91	91	86.8	2.3
2..	58.59	59.19	59.63	57.11	58.02	59.09	58.60	23.8	24.2	31	30.8	25.6	25	26.7	32.3	23	95	94	65	70	89	93	84.3	4.1
3..	58.06	58.15	58.54	56.64	57.54	58.64	57.93	24.6	24.5	28.5	28.4	26.3	25.3	26.3	31.2	23.9	94	94	75	85	88	92	88	3.3
4..	57.68	57.95	58.75	56.93	56.95	58.29	57.76	24.8	24.5	30.2	26.7	26	25.4	26.3	31.3	23.9	93	95	70	92	92	93	89.2	21.5
5..	57.14	57.81	58.39	56.04	56.88	58.23	57.42	24.8	24.4	31.4	31	27.6	25	27.4	31.7	23.5	94	95	68	72	79	98	84.3	1.3
6..	57.31	57.51	58.25	55.92	56.90	58.50	57.40	24	24.3	31.1	30.4	26.7	25.1	26.9	32.5	23.2	95	95	67	71	85	93	84.3	......
7..	57.54	58.59	59.35	57.05	58.04	59.36	58.32	24.2	24	29.5	27.1	25.8	24.5	25.8	30.9	23.4	94	95	70	88	94	94	89.2	16.3
8..	58.34	58.42	59.29	56.53	57.90	59.20	58.28	23.8	23.4	28	28.9	23.6	24.6	25.4	30.3	22.5	94	95	74	72	93	92	86.7	5.1
9..	58.01	58.45	58.91	56.44	58.23	59.04	58.18	22.9	23.4	27.5	29.8	24.4	23.6	25.3	30.4	22.3	95	95	78	69	92	95	87.3	8.3
10..	57.28	57.82	58.37	56.55	57.20	57.91	57.52	23.3	23.1	30.3	26.4	25.5	24.1	25.4	31.4	22.5	96	97	72	86	92	95	89.7	......
11..	57.05	57.55	57.54	55.62	56.68	57.39	56.97	24	23.9	29.8	31.3	27.6	25.5	27	32	22.9	95	96	71	69	83	96	85	9.8
12..	56.56	57.45	57.99	56.48	57.52	58.17	57.36	24.5	24.3	28.9	29.7	26.7	25	26.5	30.5	23.9	97	97	76	75	90	95	88.3	......
13..	57.09	57.73	58.80	56.56	58.07	59.19	57.91	24.2	24.3	29.1	30.9	27.7	24.5	26.8	31.1	23.6	97	97	74	66	82	94	85	6.2
14..	58.15	58.35	59.03	56.83	57.74	58.42	58.09	23.8	24.1	31	31.1	27.4	26.6	27.3	32.3	23.3	97	96	62	70	84	86	82.5	......
15..	57.27	57.84	58.76	55.71	57.02	57.47	57.34	25	24.3	29.5	31	27.9	27.1	27.5	32.3	23.7	94	96	70	65	81	81	81.2	......
16..	56.34	56.93	58.08	55.62	56.72	57.53	56.87	25	24.4	29.8	29.9	28	27.4	27.4	31.4	23.9	92	95	71	73	83	75	81.5	......
17..	56.45	56.70	57.88	56.47	57.56	58.32	57.23	26.5	26.3	30.9	28.8	27.3	26.8	27.8	31.6	25.4	82	83	65	77	84	84	79.2	......
18..	57.44	58.32	59.04	57.02	57.87	58.82	58.08	26.2	26	29.1	28.1	26.9	25.7	27	30.2	25.3	86	88	76	82	86	91	84.8	12.8
19..	57.96	58.71	59.34	56.76	57.88	59.69	58.39	24.8	24.3	30.6	30.4	26.8	25.1	27	31.8	23.7	94	96	72	70	84	92	84.7	......
20..	58.40	58.78	58.63	56.42	57.63	58.75	58.10	24.5	24	30.6	30	27	25	26.8	31.6	23.3	93	94	70	71	83	90	83.5	......
21..	57.26	58.01	57.97	55.77	56.98	58.30	57.38	24.5	24.8	30.3	30.4	26.8	25.5	27	31.8	23.8	93	92	70	72	85	90	83.7	......
22..	57.64	57.78	58.97	56.65	58.20	58.96	58.03	24.5	23.6	29.6	30.8	24.9	24.5	26.3	31.2	23.1	92	94	70	65	94	95	85	16.5
23..	58.70	59.43	61.25	58.66	59.38	60.50	59.65	24	24	23.1	23.8	23.2	22.6	23.4	24.6	22.1	96	95	94	92	94	96	94.5	26.2
24..	59.30	59.47	59.70	57.95	58.54	59.64	59.10	23	23.2	28.4	27.1	25.8	24.2	25.3	29.7	22.3	96	96	73	84	85	86	86.7	1.4
25..	58.57	59.45	59.61	57.47	58.49	59.60	58.86	23	22.8	29.5	28.9	24.5	23.2	25.3	30.5	22.3	88	91	63	67	82	93	80.7	......
26..	58.39	58.47	59.23	56.98	57.75	58.35	58.20	22.1	22.6	27.7	27.7	24	23.8	24.6	29.1	21.7	96	95	75	74	91	96	87.8	6.4
27..	57.12	57.37	58.46	56.57	57.66	58.69	57.64	23.4	23.5	26.7	27.9	25.8	24	25.2	30.1	22.9	97	97	82	79	85	92	88.7	3.1
28..	58.32	58.85	59.35	57.90	58.65	59.81	58.81	23.4	23.3	29.7	29.7	26.2	25.1	26.2	30.4	22.3	94	95	72	77	93	95	87.7	9.9
29..	59.16	59.31	59.69	57.63	58.06	58.94	58.80	23.9	24.3	31.4	27.4	24	23.8	25.8	31.9	23.2	97	96	67	87	91	95	88.8	10.8
30..	58.15	58.46	59.34	57.24	57.84	59.09	58.35	24	24.6	27.3	28	25.9	23.8	25.6	29.2	23	94	92	87	83	92	96	90.7	15. 8
Mean	57.79	58.26	58.92	56.77	57.73	58.77	58.04	24.1	24.1	29.4	29	26.1	24.9	26.2	30.9	23.2	93.9	94.3	72.2	76.1	87.6	91.8	86	......
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	181.1

Day.	Wind. 2 a. m. Direction.	Force.	6 a. m. Direction.	Force.	10 a. m. Direction.	Force.	2 p. m. Direction.	Force.	6 p. m. Direction.	Force.	10 p. m. Direction.	Force.	Mean force.	Clouds. 6 a. m. Amount.	Form and direction. Upper.	Lower.	2 p. m. Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	Calm	....	NE	1	S	1	Calm	....	Calm	....	NE	1	0.5	7	Ci.-S. NE	Cu.	9	Ci.-S. NE	Cu. E
2..	NE	1	Calm	....	ENE	2	SE	1	Calm	....	Calm	....	.7	9	Ci.-S.	Cu.	7	Ci.-S.	Cu.-N. NE
3..	Calm	....	NNE	1	NNE	1	NNE	2	NNW	2	NNE	1	1.2	9	Ci.-S.	Cu.	9	A.-Cu. E	N.
4..	NE	1	NNE	1	ENE	1	W	1	ENE	1	NE	1	1	10	Ci.-S.	Cu.	10	....	N. NE
5..	NE	1	NNE	1	NE	1	SE	3	Calm	....	Calm	....	1	8	Ci.-S.	....	7	Ci.-S.	Cu. ENE
6..	NE	1	Calm	....	NE	1	SE	1	Calm	....	Calm	....	.5	5	Ci.-S. NW	....	9	Ci.-S.	Cu.
7..	NE	1	NE	1	NNE	2	Calm	....	Calm	....	Calm	....	.7	10	Ci.-S.	Cu.	10	Ci.-S.	N.
8..	Calm	....	Calm	....	NW	1	WNW	2	NE	1	SSW	1	.8	10	A.-Cu. NE	Cu.	9	A.-Cu. NE	Cu.
9..	NE	1	Calm	....	SE	2	SE	2	Calm	....	ENE	1	1	9	A.-Cu. SW	....	3	A.-Cu. SW	Cu.
10..	Calm	....	Calm	....	SSW	1	Calm	....	Calm	....	Calm	....	.2	3	A.-Cu.	Cu.	9	Ci.-S.	Cu.-N.
11..	Calm	....	Calm	....	SE	2	SE	1	Calm	....	Calm	....	.5	7	Ci.-S.	Cu.	8	Ci.-S.	Cu. NW
12..	Calm	....	Calm	....	WNW	1	Calm	....	Calm	....	Calm	....	.2	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.
13..	Calm	....	Calm	....	WNW	2	WNW	2	Calm	....	Calm	....	.7	10	Ci.-S.	Cu.	9	Ci.-S. NE	Cu.
14..	Calm	....	Calm	....	W	1	SSE	1	Calm	....	SW	1	.5	8	Ci.-S.	....	9	Ci.-S.	Cu. WNW
15..	NE	1	Calm	....	S	1	S	2	Calm	....	NW	2	1	8	Ci.-S.	....	9	A.-Cu. NW	Cu.
16..	Calm	....	Calm	....	WSW	1	NW	1	W	1	WSW	2	.8	10	Ci.-S.	Cu.	9	A.-Cu. WNW	Cu.
17..	WSW	1	SW	2	S	3	S	2	SSW	1	S	2	1.8	9	Ci.-S.	Cu.	10	Ci.-S.	N. W
18..	S	1	SSE	1	S	2	SSE	2	SSW	1	S	1	1.3	9	A.-Cu. SW	Cu.	9	Ci.-S.	N.
19..	S	1	Calm	....	SSW	1	SSE	2	Calm	....	Calm	....	.7	8	A.-Cu.	Cu. SSW	1	Ci.-S.	....
20..	NE	1	Calm	....	SSE	2	S	1	Calm	....	Calm	....	.7	7	A.-Cu.	Cu.	9	Ci.-S.	Cu. W
21..	Calm	....	Calm	....	S	1	SSE	1	Calm	....	W	1	.5	9	Ci.-S.	Cu.	8	Ci.-S. NE	Cu.
22..	Calm	....	Calm	....	WNW	1	NW	2	Calm	....	Calm	....	.5	10	Ci.-S.	Cu.	8	Ci.-S.	Cu.
23..	Calm	....	NNE	1	Calm	....	NE	1	Calm	....	Calm	....	.3	10	....	N.	10	Ci.-S.	N.
24..	Calm	....	Calm	....	NNW	2	SSE	1	Calm	....	Calm	....	.5	9	Ci.-S.	Cu.	10	A.-Cu.	Cu.-N. N
25..	Calm	....	Calm	....	ENE	2	SSW	1	Calm	....	Calm	....	.5	9	A.-Cu. NE	Cu.	9	Ci.-S.	Cu. NE
26..	Calm	....	Calm	....	NNE	3	NNE	1	NNE	2	Calm	....	1	10	Ci.-S.	....	10	Ci.-S.	Cu.
27..	Calm	....	Calm	....	Calm	....	SSE	1	Calm	....	Calm	....	.2	10	Ci.-S.	N.	8	Ci.-S.	Cu.-N. SW
28..	Calm	....	Calm	....	SW	1	SW	1	Calm	....	Calm	....	.3	4	Ci.-S.	Cu.	9	Ci.-S.	Cu. E
29..	Calm	....	Calm	....	NNE	1	Calm	....	NW	2	Calm	....	.5	1	Ci.	....	9	A.-Cu.	N.
30..	N	1	NNE	1	Calm	....	WNW	2	Calm	....	Calm	....	.7	9	A.-Cu. E	Cu.	9	Ci.-S.	Cu.-N. E
Mean	......	0.4	......	0.3	......	1.3	......	1.2	......	0.4	......	0.5	0.7	8.2	....	....	8.5	....	....

TAGBILARAN

[ϕ=9° 38′ N; λ=123° 51′ E; barometer above sea, 21.3 meters; gravity correction not applied, —1.86 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+ 2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Air temperature. 2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	Relative humidity. 2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Rain, 24 hours beginning 6 a. m.
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.25	58.54	59.17	57.30	58.20	59.04	58.42	23.5	23	29.6	26.3	23.9	24.1	25.1	30.7	22.3	97	97	69	90	96	96	90.8	53.1
2..	58.02	58.35	58.81	57.18	58.03	59.09	58.25	23	23.9	29.8	27.2	23.8	23.1	25.1	31.2	22.5	97	97	72	85	92	95	89.7	8.6
3..	57.36	57.45	57.93	55.54	55.45	55.50	56.54	23.7	23.3	26	25.7	24.4	24.8	24.6	26.2	22.7	93	96	90	92	94	92	92.8	50.8
4..	54.22	55.02	56.02	54.16	55.83	57.10	55.39	23.9	24	28.4	28.9	24.9	24.8	25.8	30.4	23.4	96	96	77	73	91	93	87.7	35.1
5..	56.20	56.63	57.77	55.72	57.05	58.45	56.97	25.4	25.2	29.4	30	26.3	26.1	27.1	30.5	23.4	90	92	78	74	89	85	84.7	....
6..	57.56	57.75	58.64	56.89	57.60	59	57.91	25	24	30.1	29.2	26.7	25.1	26.7	31	23.6	94	97	75	73	85	93	86.2	....
7..	58.34	58.63	59.24	57.23	57.73	59.20	58.40	23.9	23.3	30.6	30.5	27.1	26.5	27	31.3	22.7	95	96	73	73	85	88	85	11.7
8..	58.55	58.88	59.53	56.99	57.73	58.81	58.42	23.7	23.8	28.6	29.4	26.1	24.7	26	30	23	97	96	78	78	93	92	89	7.2
9..	57.80	57.99	58.87	57.38	57.36	59.52	58.15	24.3	24	29.6	25.6	24.1	23.7	25.2	29.7	23	96	96	69	91	91	92	89.2	37.9
10..	58.24	58.95	59.60	57.41	58.26	59.16	58.60	22.8	22.8	25.6	28.5	26.1	23.9	25	29.3	22.4	97	96	81	75	76	91	86	....
11..	58.69	59.32	59.56	57.52	58.70	59.09	58.81	23.5	22.5	30	30.7	26.2	24.2	26.2	31.2	21.7	93	95	57	57	82	91	79.2	....
12..	57.81	58.80	59.55	57.20	58.10	59.03	58.42	23	23.3	30	28.3	26.3	24.1	25.8	31.3	22.4	95	93	69	79	87	91	85.7	4.8
13..	58.15	58.09	58.70	56.39	57.05	57.73	57.68	23	22.7	29.5	29.3	26.3	24	25.8	31	22.1	94	96	73	71	83	93	85	....
14..	57.10	57.89	58.01	55.71	56.14	57.62	57.08	23.1	22.9	28.5	30.1	26.1	23	25.6	31.2	21.7	93	94	73	68	81	92	83.5	....
15..	57.32	57.85	58.94	57.02	57.60	58.93	57.94	21.7	21.5	29.4	29.5	25.9	23.5	25.2	30.9	20.8	93	94	65	65	86	90	82.2	....
16..	58.29	58.46	59.60	57.63	58.10	59.74	58.64	22	22.6	30.2	30	26.2	23.9	25.8	31.8	21.2	96	95	58	69	85	91	82.3	....
17..	59.02	59.34	60.04	58.26	59	60.14	59.30	22.9	22	30.4	30.5	26.4	24.2	26.1	31.9	21.5	93	95	61	66	86	90	81.8	....
18..	59.51	59.70	60.39	58.44	58.82	60.03	59.48	22.9	22.5	30.5	28.3	26.4	24.5	25.8	31.4	21.1	94	95	60	77	86	90	83.7	1.8
19..	59.39	59.83	61.07	59.40	60.62	61.42	60.29	23.3	24	27.4	27.8	25.2	23.9	25.3	29.1	22.7	93	89	80	75	87	93	86.2	4.1
20..	60.60	60.59	61.07	59.59	60.50	61.06	60.57	23.7	23.5	29.1	29.5	25.9	24.4	26	30.7	23.1	91	92	70	65	85	91	82.3	.6
21..	60.60	60.67	61.73	59.03	60.19	61.70	60.65	23.8	23.6	24.5	27.9	25.1	23.7	24.8	29.3	22.3	93	94	87	74	91	93	88.7	7.6
22..	60.95	60.56	60.91	58.95	59.96	60.70	60.34	22.7	21.6	29.4	29.5	25.2	23.9	25.4	30.8	21.2	94	96	69	64	83	91	82.8	....
23..	59.91	60.55	61.04	58.64	59.23	60.38	59.96	23.3	23.3	29.5	30.1	26.5	24.6	26.2	31.6	22.5	90	90	69	64	79	90	80.3	.5
24..	59.18	58.99	59.58	57.60	57.90	58.85	58.68	23.9	24	29.7	26.6	25.8	24.3	25.7	30.5	23.4	94	94	71	90	93	94	89.3	6.3
25..	57.80	58.59	59.54	57.55	58.64	59.71	58.64	23.7	23.2	30.2	28.1	27	24.7	26.2	31	22.7	97	97	70	79	90	93	87.7	....
26..	58.83	59.43	59.77	57.74	58.50	58.93	58.87	24.5	23.9	29.6	28.2	26.2	25	26.2	30.5	23.5	94	97	70	84	89	93	87.8	4.3
27..	58.31	59.34	59.69	58.17	58.74	59.88	59.02	24.3	24.1	29.1	29.1	26.1	24.8	26.2	30.7	23.2	94	95	77	76	93	92	87.8	.4
28..	59.05	59.38	59.85	58.10	58.64	59.76	59.13	24.2	24.2	30.9	28.9	26.3	24.4	26.5	31.8	23.7	94	95	67	83	90	93	87	9.9
29..	59	59.44	60.23	58.15	58.77	59.76	59.22	23.3	23.6	29	26.2	25.9	24.4	25.4	30.5	22.9	94	92	71	92	91	92	88.7	10.2
30..	58.93	59.23	60.54	58.55	59.66	60.39	59.55	23.3	23.7	28.2	29.4	24.9	24.6	25.7	30.7	22.6	97	95	74	70	86	86	84.7	7.4
31..	60.26	60.19	61.18	58.70	59.44	60.50	60.04	23.1	23	23.7	29.3	24.3	24	24.6	29.3	22.4	94	96	94	77	92	93	91	16.1
Mean	58.49	58.85	59.57	57.55	58.31	59.36	58.69	23.5	23.3	28.9	28.7	25.7	24.4	25.7	30.6	22.5	94.3	94.8	72.5	75.8	87.6	91.6	86.1	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	278.4

Day.	Wind. 2 a. m. Direction.	Force.	6 a. m. Direction.	Force.	10 a. m. Direction.	Force.	2 p. m. Direction.	Force.	6 p. m. Direction.	Force.	10 p. m. Direction.	Force.	Mean force.	Clouds. 6 a. m. Amount.	Form and direction. Upper.	Lower.	2 p. m. Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	Calm	....	Calm	....	NNE	1	SE	1	Calm	....	Calm	....	0.3	10	Ci.-S. E	....	9	Ci.-S.	N. NE
2..	Calm	....	Calm	....	NW	1	Calm	....	Calm	....	Calm	....	.2	9	A.-Cu. ENE	Cu.	10	A.-Cu. NE	Cu.-N.
3..	NE	1	Calm	....	Calm	....	Calm	....	Calm	....	NNW	3	.7	10	Ci.-S.	N.	10	Ci.-S.	N.
4..	SW	2	S	2	S	4	SSE	3	S	1	Calm	....	2	10	Ci.-S.	N.	9	A.-Cu. SSW	Cu.
5..	SSE	2	SE	1	ESE	2	SE	2	Calm	....	SW	1	1.3	7	A.-Cu.	Cu. S	7	Ci.-S.	Cu.
6..	Calm	....	Calm	....	SE	2	SSE	2	Calm	....	Calm	....	.7	7	Ci.-S.	Cu.	8	....	Cu. SSW
7..	Calm	....	Calm	....	S	1	S	1	Calm	....	W	2	.7	1	A.-Cu.	....	7	A.-Cu. ESE	Cu.-N.
8..	Calm	....	Calm	....	NNW	2	N	1	Calm	....	Calm	....	.5	10	Ci.-S.	Cu.-N.	10	Ci.-S.	N.
9..	Calm	....	Calm	....	NNE	1	Calm	....	NNE	2	Calm	....	.5	9	A.-Cu. E	Cu.	10	Ci.-S.	Cu.-N. ENE
10..	Calm	....	Calm	....	Calm	....	Calm	....	ENE	1	NE	1	.3	10	Ci.-S.	Cu.-N. SE	10	Ci.-S.	Cu. E
11..	NE	1	NE	1	ENE	2	NNE	3	Calm	....	Calm	....	1.2	1	Ci.	Cu.	8	Ci.-S.	Cu. ENE
12..	Calm	....	Calm	....	E	1	WNW	2	Calm	....	Calm	....	.5	10	A.-Cu. ENE	Cu.	9	A.-Cu.	Cu. E
13..	Calm	....	NE	1	SE	2	NNW	3	Calm	....	Calm	....	1	2	Ci.-S.	Cu.	4	Ci.-S. NNE	Cu.
14..	Calm	....	NE	1	SE	1	SSE	2	Calm	....	Calm	....	.7	1	Ci.	Cu.	5	....	Cu. NE
15..	Calm	....	Calm	....	SE	1	NW	2	Calm	....	Calm	....	.5	1	Ci.	Cu.	3	Ci.-S.	Cu.
16..	Calm	....	NE	1	NE	2	SE	2	Calm	....	Calm	....	.8	6	Ci.	Cu.	9	....	Cu. NE
17..	Calm	....	Calm	....	NNE	2	SE	3	Calm	....	Calm	....	.8	5	Ci.-S.	Cu.	3	Ci.-S.	Cu.
18..	Calm	....	Calm	....	NNE	2	WSW	1	Calm	....	Calm	....	.5	2	Ci.-S.	....	8	....	Cu. ENE
19..	NE	1	NE	1	NNE	2	NE	1	N	1	Calm	....	1	10	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	Cu. ENE
20..	NE	1	Calm	....	NNE	2	ENE	2	Calm	....	Calm	....	.8	10	Ci.-S.	Cu.-N.	9	A.-Cu.	Cu. E
21..	Calm	....	Calm	....	Calm	....	N	2	N	1	Calm	....	.5	10	A.-Cu.	Cu. NE	9	Ci.-S.	Cu.
22..	Calm	....	Calm	....	N	2	E	1	NE	3	NNE	2	1.3	6	A.-Cu. E	Cu.	9	A.-Cu.	Cu. E
23..	NNE	2	Calm	....	NNE	3	SSE	1	NNE	1	Calm	....	1.2	9	A.-Cu. SE	....	9	A.-Cu.	Cu. ENE
24..	NE	1	Calm	....	NE	1	SE	1	Calm	....	Calm	....	.5	9	A.-Cu. E	Cu.-N. NE	10	Ci.-S.	N.
25..	Calm	....	Calm	....	SE	2	SSE	1	Calm	....	Calm	....	.5	8	Ci.-S.	....	9	A.-Cu.	Cu.-N. NE
26..	Calm	....	Calm	....	NNW	2	Calm	....	NW	1	Calm	....	.5	6	Ci.-S.	Cu.	9	Ci.-S.	N. NE
27..	Calm	....	NNE	1	WNW	1	SSE	2	Calm	....	Calm	....	.7	9	Ci.-S. E	....	9	....	Cu. NE
28..	NE	1	Calm	....	NE	2	Calm	....	Calm	....	Calm	....	.5	0	Ci.	....	7	....	Cu.-N. NE
29..	Calm	....	Calm	....	NE	2	Calm	....	NE	1	NE	2	.8	1	Ci.	....	9	....	N. NE
30..	Calm	....	NE	1	NE	2	NNE	4	NNE	3	NNE	3	2.2	9	Ci.-S.	Cu.	5	....	Cu. NNE
31..	NNE	3	NNE	2	NNE	2	NNE	2	NNE	3	NNE	2	2.3	10	....	N.	9	A.-Cu.	Cu. NE
Mean	......	0.5	......	0.4	......	1.6	......	1.5	......	0.6	......	0.5	0.8	6.7	....	....	8.1	....	....

SURIGAO

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.90	60.42	61.46	59.29	59.85	60.92	60.31	25.2	24.6	27	26.4	26.9	26.3	26.1	29.5	24.3	82	96	88	88	89	88	88.5	11
2..	59.87	60.12	61.21	59.29	60.16	61.10	60.29	26.2	25.5	27.6	27.7	26.9	26.5	26.7	29.8	25.2	89	92	87	81	86	88	87.2	.3
3..	60.31	61.25	62.16	59.96	60.75	61.82	61.04	26.2	25.9	28.8	28.2	27	26.3	27.1	30.3	25.7	90	91	79	77	86	90	85.5	2
4..	60.69	61	62.24	60.41	61.20	62.06	61.27	25.2	25.5	28.7	28.4	26.8	26.3	26.8	29.7	24.9	86	88	77	72	80	83	81	.3
5..	61.04	61.49	62.47	60.59	62.05	62.85	61.75	26	25	27	27.6	24.6	25.4	25.9	28	24.4	84	89	84	76	92	86	85.2	10.6
6..	62.16	62.91	63.76	62.03	62.72	63.09	62.78	25.7	25.1	27.5	27.8	25.9	26	26.3	29	23.6	84	87	73	74	86	84	81.3	10.7
7..	61.66	61.76	62.60	60.58	61.40	62.69	61.78	25.8	25.5	27.4	28.4	26.1	25.9	26.5	28.6	24.8	87	88	78	74	85	85	82.8	7.9
8..	61.45	62.04	62.20	60.24	60.77	61.79	61.42	24.9	25.5	27.5	28.8	26.9	25.7	26.6	29	23.7	87	85	76	69	73	81	78.5	....
9..	59.95	60.63	61.39	58.99	59.76	60.50	60.20	23.4	22.9	28.1	29.4	26.6	23.6	25.7	29.5	22.7	94	95	73	68	80	93	83.8	....
10..	59.16	59.56	60.46	58.86	59.30	60.22	59.59	23	23.3	24.9	25.5	25	23.8	24.2	27.3	22.8	95	93	94	91	90	93	92.7	17.1
11..	58.63	59.50	60.51	58.74	59.37	60.40	59.52	22.8	22.5	26.3	28.4	26.9	25.1	25.3	29.5	22.3	95	96	89	79	82	91	88.7	....
12..	59.12	59.98	61.34	59.03	59.72	60.97	60.03	23.9	22.9	26.4	28.4	26.6	23.9	25.4	29.2	22.7	92	97	88	76	80	93	87.7	5.6
13..	59.83	60.48	61.75	59.65	60.62	61.55	60.65	22.2	21.5	28.4	28.5	25.1	25.8	25.2	29.4	21.4	95	96	70	75	82	78	82.7	....
14..	61.06	61.98	63.55	61.83	62.19	63.21	62.30	24.9	24.8	27.1	28	26.5	22.3	25.6	28	21.6	78	79	63	59	66	90	72.5	....
15..	62.32	62.43	63.38	61.22	61.67	62.72	62.29	21	20.4	26.4	29.1	26.6	25	24.8	29.3	20.2	93	94	76	69	74	83	81.5	....
16..	61.60	61.88	62.95	60.95	61.66	62.77	61.97	23.3	22.6	24.8	27.1	25.9	25.4	24.8	27.8	22.4	92	95	89	77	81	82	86	13.3
17..	61.77	62.31	63.41	61.67	62.51	63.47	62.52	23.3	22.7	24	25.6	25.6	23	24	25.9	22.6	94	97	94	85	83	95	91.3	28.4
18..	62.57	63.13	64.11	62.12	63.07	63.82	63.14	24.3	23	26.5	27.9	26.4	25.2	25.6	28.1	22.4	91	96	70	64	75	82	79.7	.8
19..	62.45	63.13	63.89	62.25	63.60	64.44	63.29	22.1	25.5	28.1	27.2	26.4	21.8	25.2	29.5	21	97	78	63	70	66	93	77.8	....
20..	62.82	63	63.65	61.14	61.91	62.64	62.53	20.2	19.3	27	27.9	26.5	23.8	24.1	28.1	19.2	94	92	75	65	69	90	80.8	16.3
21..	61.37	62.46	63.50	61.48	62.20	63.20	62.37	24	23.5	24.1	23.5	23.1	23.2	23.6	25.6	22.8	88	91	91	94	94	94	92	41.3
22..	61.61	62.05	63.02	60.92	61.71	62.56	61.98	25.9	25.1	24	24.7	23.3	23.7	24.4	26	23.1	81	87	92	92	95	92	89.8	60.5
23..	61.18	61.38	62.42	60.32	61.09	62.06	61.41	23.8	22.9	24	26.1	25	24.5	24.4	27.3	22.6	91	97	91	85	91	91	91	13.2
24..	60.35	60.43	61.79	60.11	60.45	61.15	60.71	24.4	23.6	26.9	25.6	25.1	24.5	25	28.7	23.5	91	97	86	88	92	92	91	9.7
25..	59.91	60.75	61.76	59.53	60.32	61.37	60.61	23.2	23.2	27.9	29.1	25.5	25	25.6	29.5	23	97	97	83	75	92	92	89.3	4.4
26..	60.10	60.95	62.44	60.39	61.24	61.89	61.17	25.9	25.9	27.4	27.5	26.4	25.9	26.5	28	25.1	81	81	67	65	70	73	72.8	....
27..	60.51	60.92	61.95	59.79	60.75	62	60.99	25.7	25.6	27.4	27.5	26.8	26.7	26.6	27.8	23.7	74	75	67	68	73	73	71.7	6.1
28..	60.55	61.32	62.56	60.14	60.86	61.54	61.16	23.7	25.6	27.4	27.9	26.8	26.3	26.3	28	23.5	89	75	64	63	75	74	73.3	....
29..	60.17	61.20	62.09	60.21	61.16	61.74	61.10	26.3	26	27.6	28.1	26.3	25.5	26.6	28.7	24.5	73	75	72	74	82	86	77	2.5
30..	60.49	61.38	62.21	60.04	61	62.25	61.23	23.7	22.7	26.9	27.7	26	24.3	25.2	29.8	22.6	89	94	81	79	89	91	87.2	25.5
31..	61.08	61.97	62.59	60.06	61.06	62.19	61.46	23.6	23	27.4	28.7	26.4	22.9	25.3	29.1	22.3	93	96	83	73	80	92	86.2	3.1
Mean	60.83	61.41	62.41	60.38	61.17	62.10	61.38	24.2	23.9	26.8	27.5	26	24.8	25.5	28.5	23.1	88.6	90	79.5	75.6	81.9	87	83.8	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	290.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	ENE	Calm	ENE	EbyS	ENE	ENE	72.1	69.7	84.5	82.7	309	10	....	N. E	10	....	N. ESE
2..	ENE	Calm	EbyN	ENE	ENE	EbyN	56.1	52.6	97.9	85.3	291.9	8	Ci.-S.	Cu. ESE	6	....	Cu. SE
3..	EbyN	ENE	EbyN	ENE	ENE	ESE	63	81	131.5	106.5	382	7	Ci.-S. E	S.-Cu. ESE	5	....	Cu. ESE
4..	ENE	ENE	ENE	ENE	ENE	ENE	68.9	112.3	116.9	108.1	406.2	5	A.-Cu. E	S.-Cu. SE	4	....	Cu. ESE
5..	ENE	ENE	EbyN	ENE	ENE	ENE	75.4	83.4	133	96.1	387.9	10	....	N. E	6	....	Cu. ESE
6..	ENE	ENE	ENE	NEbyE	ENE	ENE	114.8	141.1	157.5	146.6	560	10	Ci.-S.	N. E	5	Ci.-S.	Cu. ESE
7..	ENE	ENE	ENE	ENE	EbyN	ESE	163.6	196.8	188	104.9	653.3	10	....	N. E	3	....	Fr.-Cu. E
8..	ESE	EbyN	EbyN	E	EbyN	Calm	67.6	106.2	170.8	73.7	418.3	10	Ci.-S.	S.-Cu. ESE	5	Ci.	Cu. E
9..	SE	Calm	E	EbyN	ENE	Calm	18.8	69.4	98.4	38.6	225.2	8	Ci.-S.	S.-Cu. SE	4	Ci.	Cu. ENE
10..	SE	SE	NNW	W	Calm	Calm	25.4	52.3	27.4	17.1	122.2	10	Ci.-S.	S.-Cu. NE	8	A.-Cu. ESE	Cu. E
11..	Calm	SWbyW	ENE	N	ENE	EbyN	19.8	31.4	52.3	40.5	144	10	Ci.-S.	S.-Cu. ESE	4	Ci.	Cu. ENE
12..	Calm	Calm	Calm	NEbyE	ENE	Calm	15	17.5	53.4	31.2	117.1	10	Ci.-S. NE	S.-Cu. ESE	7	Ci.	Cu. E
13..	Calm	Calm	E	E	SEbyE	E	17.7	50.2	99.2	62	229.1	5	Ci.	S.-cf. ENE	7	....	Cu. E
14..	E	EbyN	E	ENE	ENE	SE	62.3	123.9	130.2	52.9	369.3	5	Ci.-S. SE	Cu. ESE	3	....	Cu. ESE
15..	SE	Calm	Calm	Calm	ENE	Calm	23.6	18.8	36	57.1	135.5	2	Ci.	Fr.-S. ENE	2	....	Cu. E
16..	Calm	Calm	E	ENE	ENE	ENE	20.1	25.1	92.8	82.9	220.9	8	A.-Cu. NE	S.-Cu. ESE	10	Ci.-S.	S.-Cu. ESE
17..	EbyN	S	Calm	ENE	ENE	Calm	39.6	30	110.5	60.7	240.8	10	A.-S.	Fr.-N. E	9	Ci.-S.	Cu. ESE
18..	ENE	Calm	NEbyE	ENE	ENE	NEbyE	59	95.5	125.3	54.1	333.9	6	Ci.-S.	Cu. E	2	....	Cu. E
19..	Calm	ENE	NEbyE	NNW	NE	EbyN	31.1	62.5	68.4	28.5	190.5	6	Ci.-S.	Cu. ESE	6	A.-Cu. NE	....
20..	S	SbyW	ENE	ENE	ENE	EbyN	33.8	60	137.4	50.2	281.4	1	....	Cu. ESE	5	....	Cu. ENE
21..	Calm	NE	NEbyE	NE	ENE	Calm	78.6	83.4	62.3	42.9	267.2	10	....	N. ENE	10	....	N. ENE
22..	ENE	ENE	ESE	SSE	EbyN	EbyN	120.1	77	42.1	88.8	328	10	....	N. E	10	Ci.-S. SE	N. E
23..	EbyN	Calm	ENE	EbyN	ENE	ENE	62.6	58.7	100.6	113	334.9	4	Ci.-S.	S.-Cu. ENE	9	Ci.-S.	Cu. ESE
24..	EbyN	Calm	EbyN	SSE	SE	Calm	64.4	52	65	47.7	229.1	9	Ci.-S.	S.-Cu. ESE	9	Ci.-S. ESE	S.-Cu. E
25..	Calm	Calm	EbyN	ESE	ENE	EbyN	17.2	48.8	83.7	76.4	226.1	3	A.-Cu. E	....	9	Ci.-S.	Cu. ESE
26..	ENE	ENE	ENE	NEbyE	ENE	ENE	161.5	187.1	125.2	79.9	553.7	5	Ci.-S.	Fr.-Cu. E	7	A.-Cu. E	Cu. E
27..	ENE	ENE	ENE	ENE	ENE	EbyN	66.6	121.7	150.7	82.9	421.9	5	Ci.	Cu. E	4	....	Cu. ESE
28..	ENE	ENE	ENE	NEbyE	EbyN	ENE	100.9	134.9	113.2	132.3	481.3	5	Ci.-S.	Cu. E	3	....	Cu. ESE
29..	ENE	EbyN	ENE	ENE	ENE	EbyN	150	162.8	154.3	102.4	569.5	10	Ci.-S.	S.-Cu. ESE	5	....	Cu. EbyS
30..	SSE	Calm	ESE	EbyN	ENE	Calm	24.4	30.6	88.8	51.5	195.3	4	A.-Cu. ESE	S.	8	A.-S.	S.-Cu. ESE
31..	EbyN	Calm	ESE	EbyN	EbyN	SE	40.5	41.3	108.8	41	231.6	10	....	N.-cf. E	4	....	Cu. E
Mean	......	......	......	......	......	......	62.4	79.9	103.4	72.2	318	7.3	....	....	6.1	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	9,857.1	....	....	....	....	....	....

SURIGAO

[φ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.33	62.16	63.02	61.04	61.34	62.26	61.86	22.3	22.5	28.1	29.1	26.6	25.8	25.7	29.4	22.1	94	94	76	73	79	81	82.8	4.1
2..	61.34	61.95	62.54	60.96	61.92	62.45	61.86	23.8	23.4	26.9	26	26.4	24.1	25.1	27.3	23.1	93	96	80	81	76	91	86.2	24
3..	61.60	62.83	63.15	61.31	62.64	62.52	62.34	23	23.6	27.4	28	26.4	25.4	25.6	28.1	22.7	95	96	75	68	77	82	82.2	16.3
4..	61.72	62.50	63.75	61.79	63.12	63.60	62.75	23.6	25.5	24	26.9	25.5	25.1	25.1	27	23.2	93	85	92	77	84	86	86.2	8.6
5..	62.26	63.53	64	62.36	63.65	64.31	63.35	25.6	25.8	27.4	27.9	26	24.6	26.2	28.3	23.4	83	81	77	69	76	88	79	9.2
6..	63.21	64.61	64.54	62.40	63.49	63.77	63.67	25.4	25.5	27.8	28.8	26.4	24.9	26.5	29	23.9	84	84	71	64	81	91	79.2	.6
7..	62.62	64.04	64.60	62.26	63.32	63.31	63.36	25.2	25.8	28.7	28.1	26.8	26.1	26.8	28.8	24.9	85	81	73	75	80	85	79.8	1.3
8..	61.74	63.12	63.71	61.83	62.91	63.12	62.74	25.9	25.4	27.3	28.4	26.6	25.8	26.6	28.5	24.3	85	89	79	68	80	85	81	3
9..	61.39	62.70	63.55	61.41	62.76	63.39	62.53	24.4	25.1	28.4	28.4	26.9	26.2	26.6	28.9	24.4	85	82	67	70	76	81	76.8	.3
10..	61.54	62.36	63.07	60.89	61.71	62.69	62.04	25.8	24.5	28	27	25.6	24.8	26	28.9	23.8	81	88	77	73	87	90	82.7	8.9
11..	61.37	62.47	62.98	60.81	61.67	62.90	62.03	24	23.5	28.4	27.2	26.6	25	25.8	28.7	23.3	93	96	76	77	83	93	86.3	1.6
12..	61.55	61.59	62.66	60.51	60.87	62.12	61.55	25	25.5	28	29.1	27.2	25.7	26.8	29.3	24.3	92	88	77	70	77	84	81.3	.5
13..	60.97	61.40	62.75	60.61	60.87	61.92	61.42	25	25.1	27.5	29.1	26.9	25.9	26.6	29.7	23.6	85	84	74	67	75	80	77.5	......
14..	61.32	61.38	62.49	60.63	61.20	62.31	61.56	25.6	22.5	28.2	28.7	26.9	24	26	30	22.4	81	95	77	72	80	91	82.7	38.9
15..	61.01	61.52	62.37	60.50	61.41	62.24	61.51	24	24.4	26.7	28	27	25.7	26	29.2	23.6	93	95	83	80	86	86	87.2	28.7
16..	61.39	61.45	61.67	59.96	60.29	61.31	61.01	24.5	23.9	27.5	28.3	27	25.4	26.1	28.9	23.7	92	97	84	81	86	90	88.3	......
17..	59.81	60.38	60.98	58.66	59.05	60.11	59.83	24.5	23.9	28	28.4	27	25.8	26.3	29.8	23.8	94	97	77	80	86	88	87	2.3
18..	59.05	60	60.70	58.96	59.81	60.76	59.88	24.7	24.1	28.2	27	26.5	25.8	26	29.6	24	92	95	76	83	82	85	85.5	2.8
19..	59.59	60.66	61.49	59.23	60.07	61.12	60.36	24.7	24.2	28.3	27.6	26.7	25.2	26.1	29.7	23.8	92	96	77	81	83	88	86.2	2.8
20..	60.05	60.65	61.34	58.94	59.62	60.29	60.15	25.1	22.7	27.6	28.4	27.3	24.8	26	29.3	22.7	88	96	89	77	78	89	86.2	7.7
21..	59.22	59.96	60.81	58.88	59.08	59.91	59.64	25	24	27.5	26	26.1	25.6	25.7	28.5	24	88	96	87	92	91	90	90.7	17.6
22..	58.77	59.11	59.74	57.88	58.59	59.62	58.95	24.3	24	28	29.8	27.2	25.1	26.4	30	23.9	94	96	84	71	84	92	86.8	1.8
23..	58.39	59.04	59.72	58.15	58.90	60.42	59.10	24.2	23.4	27	27.1	27	26	25.8	27.8	23.4	93	97	83	77	80	85	85.8	8.6
24..	59.29	60.34	60.71	58.48	59.16	60.47	59.74	25.8	25.7	27.9	29	26.6	23.1	26.4	29.8	23.1	83	84	72	65	75	91	78.3	......
25..	59.29	59.92	60.65	58.93	59.37	60.35	59.75	25.6	23.6	28.4	29	26.9	26.6	26.7	29.2	23.6	85	86	64	58	76	74	73.8	......
26..	59.15	60.09	61.26	59.74	60.50	61.69	60.40	26.3	26	27.5	28.6	26.9	26.4	27	28.8	25.7	73	74	66	65	75	77	71.7	.5
27..	60.36	61.14	62.03	59.88	59.94	61.11	60.74	25.5	24.1	28.7	29.8	27.4	25.5	26.8	30.1	24	83	91	71	66	77	81	78.2	.5
28..	60.05	60.56	61.54	59.60	59.92	60.99	60.44	24.7	23.2	28.3	27.1	25.6	24.6	25.6	28.9	23.1	92	94	74	74	84	93	85.2	7.9
Mean	60.69	61.48	62.21	60.24	60.97	61.82	61.23	24.8	24.3	27.7	28.1	26.6	25.3	26.2	29	23.6	88.2	90.5	77.1	73.4	80.5	86.3	82.7	....
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	198.5

Day.	Wind.											Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.			
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1..	Calm	SSE	EbyN	E	ENE	EbyN	28	42.1	82.3	100.8	253.2	4	A.-Cu.ESE	Cu.	3	....	Cu. ENE
2..	Calm	Calm	ENE	NEbyE	NE	EbyN	17.7	78.6	132.8	58.5	287.6	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	S.-Cu. E
3..	SE	SSE	EbyN	ENE	EbyN	E	33.6	109.6	187.8	85.5	416.5	4	....	Cu. E	4	A.-Cu.ESE	Fr.-S.EbyN
4..	E	ENE	EbyN	EbyN	ENE	E	47.7	119.3	122.1	70.2	359.3	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	N. E
5..	EbyN	ENE	ENE	EbyN	ENE	EbyN	114.3	104.6	154.3	104.8	478	8	Ci.-S.	S.-Cu. EbyS	9	A.-Cu.ESE	Cu. E
6..	ENE	E	E	E	E	E	134.4	155	151.5	130.6	571.5	8	Ci.-S.	N. E	3	....	Cu. E
7..	E	E	E	ENE	E	E	101.6	93.9	151.8	133.9	481.2	5	....	Cu. EbyS	8	Ci.-S.	Cu. EbyS
8..	E	E	E	EbyN	E	E	87.5	121	182.6	103.8	494.9	6	Ci.-S. ESE	Cu. E	3	....	Fr.-Cu. E
9..	E	E	E	ENE	EbyN	EbyN	83.5	118.9	152.6	146.1	501.1	7	Ci.-S. ESE	Fr.-S. E	2	....	Cu. ESE
10..	E	ENE	EbyN	E	E	E	92.5	117.7	145.3	118.5	474	9	Ci.-S.	S.-Cu. ESE	9	Ci.-S.	Fr.-Cu. ESE
11..	Calm	Calm	ENE	EbyN	E	E	33.6	57.3	145.9	110	346.8	6	Ci.-S. E	S.-Cu. E	10	Ci.-S.	S.-Cu.EbyS
12..	EbyS	E	E	E	EbyN	E	82.4	111.2	136.8	115.7	446.1	5	....	Cu.-N. SE	8	A.-Cu. SE	Cu. E
13..	EbyS	ESE	EbyN	EbyN	ESE	E	59.7	113.7	106.2	94.1	373.7	3	A.-Cu.	Cu. SSE	3	....	Cu. SE
14..	ESE	Calm	E	ESE	EbyN	Calm	46.2	54.9	105.7	85.9	292.7	10	Ci.-S.	S.-Cu. ESE	7	Ci.	Cu. ESE
15..	Calm	Calm	NNW	N	EbyN	EbyS	35.6	35.6	44.1	38.4	153.7	10	....	N. E	2	Ci.-Cu.	Cu. SSW
16..	Calm	Calm	N	NbyW	Calm	Calm	16.7	31.2	49.4	12.1	109.4	8	Ci.-S.	Cu. ESE	5	Ci.	Cu. SE
17..	Calm	Calm	ENE	NNW	Calm	Calm	18.5	33.2	34.9	25.1	111.7	2	Ci.	Cu. NW	2	....	Cu. WNW
18..	ENE	Calm	E	NNW	ENE	EbyN	26.9	45.4	92	46.9	211.2	9	Ci.-S.	S.-Cu. ENE	6	A.-Cu. NE	S.
19..	Calm	Calm	ENE	ENE	ENE	EbyN	24.6	40.4	117.7	54.9	237.6	8	Ci.-S. E	Cu. E	6	Ci.	Cu. E
20..	E	Calm	Calm	EbyN	EbyN	E	39.1	35.7	87.1	55	216.9	9	Ci.-S. E	S.-Cu. E	4	Ci.-S.	Cu. E
21..	Calm	Calm	N	ESE	E	Calm	31.7	24.1	33.5	54.4	143.7	10	Ci.-S.	S.-Cu. E	10	....	N. ENE
22..	Calm	Calm	EbyN	E	ENE	Calm	19	49.9	100.8	26.6	196.3	8	A.-S. ESE	Cu. ENE	4	....	Cu. E
23..	Calm	Calm	EbyN	NEbyE	EbyN	EbyN	19.1	48	143.5	109.1	319.7	5	Ci.	Cu. SE	10	Ci.-S.	Cu. E
24..	EbyN	EbyN	ENE	ENE	EbyN	Calm	93.8	108.4	106.2	52.5	360.9	6	Ci.-S. SE	Fr.-Cu. ESE	5	Ci.	Cu. ESE
25..	EbyN	E	ENE	EbyN	EbyN	ENE	102.4	102.8	164.7	83.2	453.1	3	Ci.	S. SE	7	Ci.	Cu. SE
26..	ENE	NNE	ENE	EbyN	EbyN	EbyN	62.5	101.7	172.7	109.4	446.3	10	Ci.-S.	S.-Cu.EbyN	6	A.-Cu. SE	Cu. E
27..	EbyN	SSE	EbyN	EbyN	EbyN	EbyN	75	60.4	89.9	100.1	325.4	10	Ci.-S.	N. E	5	Ci.-S.	Cu. E
28..	ESE	Calm	EbyN	E	EbyN	EbyN	48	56.3	96.1	69.8	270.2	9	Ci.-S.	Fr.-S. ESE	10	A.-S. SE	S.-Cu. E
Mean	......	......	......	......	......	......	56.3	77.5	117.5	82	333.3	7.2	....	....	6.1	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	9,332.7	....	....	....	....	....	....

SURIGAO

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, −1.86 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.39	59.69	61.26	59.26	59.84	61.10	60.09	24.5	26.4	26.3	27.5	26.1	25.3	26	27.8	23.8	94	81	81	76	76	81	81.5	4.1
2..	59.18	59.76	61.15	59.48	60.32	61.81	60.28	24.8	25	28.4	28.2	26.6	25.7	26.4	29	23.8	80	78	77	72	77	78	77	....
3..	60.90	61.38	62.53	60.36	61.04	62.31	61.42	23.5	23	28.5	28.9	27.1	26.6	26.3	29.3	22.3	93	96	70	68	75	78	80	2
4..	60.90	61.34	62.41	60.65	61.24	62.36	61.48	24.8	25	26.5	27.5	26.5	26	26	28.3	24.4	87	83	80	73	76	78	79.5	.8
5..	61.29	61.88	63.01	60.74	61.31	62.40	61.77	25.7	22.5	27.9	27.9	26.7	23.2	25.6	28.5	22.2	78	87	67	68	71	91	77	....
6..	61.38	61.86	62.37	60.11	60.20	61.35	61.21	22.2	21.5	28.8	29.5	27	26.2	25.9	29.8	21.2	92	93	63	64	73	79	77.3	7.6
7..	60.61	60.88	61.91	59.85	60.16	61.37	60.80	24.3	24.4	27.2	28.4	26.5	23.2	25.7	28.6	22.4	92	92	68	68	71	91	80.3	....
8..	60.11	61.06	61.75	59.43	60.04	61.19	60.60	21.8	21	29	29.2	27	23.5	25.2	30.3	20.8	93	95	65	69	73	90	80.8	....
9..	59.71	61.16	61.99	59.86	60.15	61.65	60.75	22	20.9	28.4	29.6	27.2	26	25.7	30.5	20.7	93	94	72	69	81	87	82.7	3.8
10..	60.49	61.30	62.37	60.46	60.56	61.81	61.16	24.2	23.4	27.2	27.2	26.5	23.4	25.3	29.3	22.4	92	95	76	75	77	90	84.2	3.3
11..	60.90	61.57	61.84	59.89	60.42	61.66	61.05	22.1	21.7	27.6	28.7	26.7	26.1	25.5	28.9	21.6	94	96	76	66	77	80	81.5	14.5
12..	60.77	61.62	62.91	61.10	60.88	62.08	61.56	24.3	23.4	24.5	24.4	23.3	22.9	23.8	26.7	22.5	91	97	94	91	92	94	93.2	16.5
13..	60.43	61.40	62.70	60.45	60.41	61.74	61.19	22.5	22.7	26	29.7	26.9	25.8	25.6	30	22.3	96	96	84	66	80	84	84.3	....
14..	60.42	61.06	62.36	60.18	60.64	62	61.11	23.4	22.5	28.8	28.6	26.5	24.4	25.7	30.5	22.4	93	96	72	74	82	91	84.7	....
15..	60.35	61.11	62.25	60.47	60.80	61.79	61.13	23.9	23.2	28.4	25.4	26.7	24.3	25.3	28.6	22.9	92	97	79	92	83	91	89	7.9
16..	60.61	61.02	61.84	60.16	60.42	61.46	60.92	23.5	22.9	28.3	27.1	25.9	24.7	25.4	28.5	22.7	92	97	84	83	88	94	89.7	11.7
17..	60.68	61.17	62.41	60.18	60.74	62.32	61.25	23.6	23.5	25	28.5	26	23.6	25	29	23.3	95	96	92	74	85	93	89.2	1.8
18..	60.98	61.58	62.59	61.01	61.32	61.97	61.58	22.9	23	28.9	28.6	26.9	26	26	30.3	22.8	97	96	74	74	84	87	85.3	....
19..	61.55	61.96	63.03	61.15	61.49	63.11	62.05	25	24.2	29.4	30	26.6	24	26.5	30.2	23.9	92	94	76	71	83	93	84.8	2.8
20..	61.69	62.01	62.91	60.66	60.84	62.32	61.74	23.6	24.8	28.3	29.9	27.3	25.9	26.6	30.4	23.5	95	93	77	66	78	85	82.3	....
21..	60.75	61.03	61.99	60.05	60.23	61.37	60.90	23.6	21.9	28.9	30.3	27.2	23.4	25.9	30.5	21.8	91	92	61	69	75	91	79.8	....
22..	60.88	61.41	61.70	59.36	59.54	61.17	60.68	22.2	21.2	28.9	30	27.3	26.2	26	30.8	21.1	93	96	62	65	71	78	77.5	....
23..	60.24	60.81	61.45	59.38	60.04	60.96	60.48	24.5	22.7	28.7	29	27.3	26.2	26.4	30.9	22.6	89	94	74	73	82	84	82.7	....
24..	59.56	60.04	60.93	59.29	59.64	60.80	60.04	25.8	23.9	29.5	29.5	27.2	23.2	26.5	30.9	22.3	85	92	68	64	73	92	79	....
25..	59.32	60.08	61.20	59.08	59.88	61.65	60.20	21.3	21.9	28.7	30.3	27.5	26.2	26	31.2	20.9	97	93	77	73	76	82	83	....
26..	60.42	60.60	61.47	58.83	59.52	60.41	60.21	25.3	23.4	26.1	25.4	24.4	26.3	25.2	28	23.3	88	91	86	93	93	83	89	12.7
27..	59.02	59.53	60.84	58.42	58.90	60.17	59.48	26.1	23.7	28.3	27.9	26.9	25.9	26.5	29.3	23.7	83	95	73	71	81	86	81.5	16
28..	59.10	59.82	60.74	58.85	58.83	60.74	59.68	24.7	24.5	27.5	26.1	25.5	26.3	25.8	28.8	24.4	95	97	88	88	92	86	91	3.5
29..	59.13	59.77	60.80	58.80	59.14	60.69	59.72	23.9	24	28.2	29.3	27.5	26.3	26.5	29.5	23.8	96	96	79	70	76	82	83.2	1.8
30..	58.96	59.60	60.21	57.80	58.24	60.64	59.24	24.2	23.6	28.9	29.1	27.4	25.9	26.5	30	23.5	93	96	75	70	78	85	82.8	1.8
31..	58.70	59.11	60	57.89	58.86	60.31	59.14	24.3	23.9	29.2	29	27.5	24.9	26.5	30.2	23.8	93	96	72	71	74	92	83	....
Mean	60.27	60.86	61.84	59.78	60.18	61.51	60.74	23.8	23.2	27.9	28.4	26.6	25.1	25.8	29.5	22.7	91.4	93.2	75.5	73.1	79.1	86.3	83.1	....
Total	.....	.....	.....	.....	.....	.....	......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	112.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	ENE	ENE	NE	NE	NE	47.8	96.9	103.2	59.2	307.1	10	Ci.-S.	Fr.-N. E	10	A.-S.	S.-Cu. E
2..	Calm	EbyN	E	ENE	ENE	ESE	67.8	91.7	128.4	56	343.9	9	A.-S.	S.-Cu. E	8	A.-Cu. SE	Cu. ESE
3..	Calm	Calm	EbyN	ENE	ENE	EbyN	24.7	72.9	149.2	122.8	369.6	9	Ci.-S.	S.-Cu. E	9	A.-Cu. SE	Cu. E
4..	EbyN	ENE	ENE	ENE	ENE	EbyN	97.2	120.1	156.3	89	462.6	10	Ci.-S.	N. E	9	Ci.-S.	S.-Cu. E
5..	EbyN	SSW	ENE	ENE	EbyN	SE	59.7	82.3	156.6	55.8	354.4	3	A.-Cu. ESE	Cu.	9	A.-Cu. ESE	Cu. ESE
6..	Calm	SSW	ESE	EbyN	EbyN	EbyN	19.5	48	80.5	69.5	217.5	3	Ci.	S.-cf. ESE	2	Ci.	Cu. ENE
7..	Calm	EbyN	ENE	ENE	ENE	EbyN	36.2	152.9	151.8	36.4	377.3	10	....	N. E	5	Ci.-S.	Cu. E
8..	Calm	Calm	ESE	EbyN	NE	ENE	26	44.8	97.9	40.2	208.9	3	Ci.	Fr.-S. ENE	4	....	Cu. E
9..	ESE	Calm	ESE	E	EbyN	EbyN	21.9	53.4	95.8	112.1	283.2	6	A.-Cu. ESE	S.	2	....	Cu. SE
10..	EbyN	Calm	SE	ENE	EbyN	Calm	34.3	56.5	98.8	60.6	250.2	3	Ci.-S. E	S.	10	Ci.-S.	Cu. E
11..	SE	Calm	EbyN	ENE	EbyN	ESE	22.5	69.2	141.6	74.6	307.9	4	A.-Cu.	S.-Cu. ESE	3	Ci.	Cu. ESE
12..	ENE	SSW	EbyN	SSE	Calm	Calm	27.9	57.9	48.6	20.1	154.5	10	....	N. E	10	....	N.-cf. ENE
13..	Calm	Calm	E	ENE	EbyN	EbyN	21.7	34.1	102.4	71.3	229.5	9	A.-Cu.	S.-Cu. ENE	8	A.-Cu. E	Cu. ENE
14..	ESE	Calm	EbyN	N	ENE	Calm	22.8	39.6	58.7	45.7	166.8	5	Ci.	Cu. E	7	....	Cu. ENE
15..	Calm	Calm	ESE	SE	ENE	Calm	16.4	37.2	50.4	33	137	9	Ci.-S.	S.-Cu. E	10	....	N. E
16..	Calm	Calm	NNE	NbyW	ENE	N	23.9	27.1	90.7	79.7	221.4	5	A.-Cu.	S.-cf. ENE	10	A.-S. E	Fr.-N. ENE
17..	Calm	SSE	EbyN	SE	SE	SSE	31.9	66.6	75	27.7	201.2	10	....	N. ENE	4	....	Fr.-Cu. E
18..	Calm	S	ESE	ENE	FNE	SE	18.2	49.7	73.5	71.6	213	5	....	Cu. ESE	7	....	Cu.-N. EbyN
19..	SSE	Calm	EbyN	EbyN	ENE	SE	23.9	57.9	99.6	54.9	236.3	8	Ci.	S. ESE	8	A.-Cu. SE	Cu. ESE
20..	Calm	SSE	ENE	ENE	SSE	EbyN	28.4	104.9	96.4	69.7	299.4	3	Ci.	Fr.-Cu. ESE	6	Ci.	Cu. E
21..	SSE	SSW	ENE	EbyN	ENE	Calm	30.1	73.8	83.9	32.5	220.3	6	Ci.	Fr.-Cu. ENE	3	Ci.	Cu. E
22..	Calm	Calm	EbyN	EbyN	E	EbyN	24.4	56.9	71.4	52.1	204.8	3	Ci.	Cu. NE	0	....	Fr.-Cu. SSE
23..	Calm	Calm	EbyN	EbyN	EbyN	EbyN	18.3	37.5	71	62.8	189.6	6	A.-Cu. ESE	....	8	Ci.-S. ESE	Cu.
24..	EbyN	Calm	E	ENE	EbyN	ESE	52	53.4	72.6	35.6	213.6	2	Ci.	Cu. SE	1	....	Cu. SE
25..	Calm	SSW	N	Calm	ENE	EbyN	23	24.4	73.8	87.2	208.4	4	Ci.	Cu. ESE	5	Ci.-Cu.	Cu. ESE
26..	Calm	Calm	Calm	Calm	SSE	EbyN	50.1	25.9	46.5	71.1	193.6	7	Ci.-S.	Fr.-Cu. ESE	10	A.-S.	Fr.-N.
27..	EbyN	Calm	ENE	ENE	ENE	EbyN	56.3	80.5	111.3	45.9	294	5	Ci.	Fr.-Cu. ESE	9	....	N. ESE
28..	Calm	Calm	ENE	SE	Calm	EbyN	15.5	48.8	34.4	58.2	156.9	10	....	N. F	10	Ci.-S.	Fr.-N. E
29..	Calm	Calm	ENE	ENE	ENE	ENE	17.7	93	136.8	60.6	308.1	10	A.-Cu. SE	Cu. ENE	6	Ci.-S. SE	Cu. ESE
30..	Calm	Calm	ENE	NEbyE	ENE	ENE	24.4	55.2	122.3	64.2	266.1	10	Ci.-S.	N. E	5	Ci.	Cu. ESE
31..	Calm	S	E	EbyN	ESE	ESE	20.9	52.6	88.3	53.1	214.9	6	Ci.	Cu. ESE	9	Ci.-S. S	Cu. SE
Mean	......	......	......	......	......	......	32.4	63.4	95.7	60.4	252	6.5	....	....	6.7	....	....
Total	......	......	......	......	......	......	......	......	......	......	7,812	....	....	....	....	....	....

SURIGAO

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, −1.86 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.27	60.07	61.03	59.13	60.14	61.46	60.18	23.5	22.8	29.5	30.5	27.4	25.1	26.5	31	22.6	92	96	70	68	80	89	82.5	......
2..	59.71	60.13	61.20	59.45	60.24	61.52	60.38	23.4	22.9	29.9	29.3	27.4	25	26.3	30.8	22.6	93	96	71	73	78	90	83.5	0.5
3..	60.50	60.38	60.61	58.67	59.01	60.44	59.94	23.6	22.9	29.4	31	27.5	23.8	26.4	32.2	22.6	91	95	65	55	74	90	78.3	......
4..	59.23	59.61	61.01	58.89	59.15	61.27	59.86	22.2	21.9	28.6	30	27.3	25.2	25.9	31.2	21.4	93	94	69	68	75	85	80.7	......
5..	60.38	60.70	61.36	59.20	59.85	61.49	60.50	23.3	22.6	29.3	29.5	27.5	24.7	26.2	31	22.4	92	95	70	72	79	89	82.8	.3
6..	60.63	60.77	61.38	59.48	60.14	61.32	60.62	22.9	22.3	29.5	29.4	27.6	25.1	26.1	30.8	22.2	92	95	72	72	76	86	82.2	.3
7..	60.05	60.60	60.55	58.50	58.86	59.71	59.71	23.5	22.6	28.6	29.1	27.9	24.9	26.1	30.1	22.5	91	96	71	72	70	91	81.8	......
8..	58.12	57.97	58.47	56.38	57.53	58.37	57.81	23.6	25.2	27	26.9	25.2	25.5	25.6	27.6	23.4	95	90	86	85	93	89	89.7	9.7
9..	56.57	57.36	58.53	56.17	57.09	59.23	57.49	26	25.4	29.6	31	28	26.9	27.8	31.7	25.3	87	92	67	58	77	80	76.8	......
10..	57.95	57.88	58.82	56.89	57.52	59.13	58.03	24.9	24.2	30.2	30.3	27.9	26.9	27.4	30.8	24	86	90	70	70	82	83	80.2	......
11..	58.10	58.59	59.96	57.46	57.56	59.30	58.50	25.4	24.1	29.3	30	27.8	26.8	27.2	30.7	24	87	95	75	72	79	84	82	......
12..	58.23	58.80	59.63	57.61	57.54	59.14	58.49	25.5	26.3	29.5	30.2	28.3	27	27.8	31.2	25.1	91	89	72	68	76	83	79.8	12.7
13..	58.21	58.72	59.73	57.65	57.90	59.64	58.64	24.8	25.4	28.4	25.6	25.2	24.3	25.6	30	24.1	93	89	78	92	93	94	89.8	48.1
14..	57.97	58.97	59.99	59.11	58.82	60.51	59.23	24.2	23.9	27.7	24.5	24.9	24	24.9	27.8	23.7	95	97	82	94	94	93	92.5	10.4
15..	59.43	60.08	60.56	58.89	59.21	61.11	59.88	23.4	23.4	29.3	29.6	27.6	25.4	26.4	30.6	23.3	94	95	79	74	80	88	85	1.5
16..	59.91	60.01	60.50	58.60	58.62	60.06	59.62	24.2	23.9	29.5	30.7	27.7	26.5	27.1	31.2	23.6	94	96	77	66	80	82	82.5	......
17..	58.90	59.25	59.74	57.95	57.95	59.54	58.89	25.4	24.7	30.1	31.6	28.2	25.2	27.5	32.1	24.2	88	93	73	57	72	85	78	......
18..	58.51	59.09	60.02	58.56	58.33	59.94	59.08	23.3	22.6	29.4	30.3	27.8	26.5	26.6	31.8	22.3	92	95	72	72	78	85	82.3	......
19..	59.16	59.90	60.64	59.17	59.66	61.15	59.95	24.8	24.6	29.7	29.8	28.3	25.3	27.1	31.4	24.2	93	95	71	71	74	88	82	......
20..	60.55	60.90	61.58	59.68	60	61.45	60.69	24.8	23.4	30	29.8	27.9	27.5	27.2	31.8	23.4	91	95	72	69	82	82	81.8	......
21..	60.65	60.85	61.29	58.99	59.65	61.21	60.44	25	26.3	29	29.3	25.1	24.3	26.5	29.4	23.7	92	83	68	68	94	92	82.8	24.6
22..	59.81	59.90	60.86	58.86	59.24	60.62	59.88	23.3	23.5	28.8	28.6	27.6	25.2	26.2	29.6	23.3	96	97	83	78	82	88	87.3	2.8
23..	59.47	61.05	61.66	59.26	59.69	61.46	60.43	24.6	24.3	27.9	29.6	27.7	25.3	26.6	30.5	24	90	92	79	69	79	88	82.8	.3
24..	60.37	60.68	61.14	59.37	59.91	61.43	60.48	24.6	23.5	29.1	29.7	28.1	25.8	26.8	30.7	23.4	92	96	76	71	78	87	83.3	.8
25..	60.01	60.48	61.10	59.07	59.34	60.86	60.14	24.3	23.6	29.6	30	27.8	24.9	26.7	30.9	23.5	94	96	75	71	77	87	83.3	......
26..	59.24	60.18	60.78	58.35	59.18	60.44	59.70	24.2	23.4	30	30.5	27.9	26.5	27.1	31.4	23.2	91	95	70	67	78	86	81.2	1.8
27..	58.88	59.12	59.73	57.83	57.79	59.34	58.78	25.1	26.3	29	29	27.4	25.4	27	31.3	24.9	92	88	75	71	78	90	82.3	10.4
28..	57.87	58.34	59.63	57.39	58.29	59.53	58.51	24.4	24.3	24.9	24.2	24.1	24.3	24.4	25	23.7	95	96	96	92	95	94	94.7	49
29..	58.18	58.67	59.69	58.60	58.57	60.14	58.98	23.8	24.3	28.2	27.1	25.6	24.3	25.6	30.5	23.7	95	97	83	87	89	92	90.5	2.1
30..	59.32	59.53	59.90	58.21	58.46	60	59.24	23.7	23.4	29.2	30.2	27.9	26.8	26.9	30.4	23.2	95	97	80	74	79	83	84.7	......
Mean	59.17	59.62	60.37	58.45	58.84	60.36	59.47	24.2	23.9	29	29.2	27.2	25.5	26.5	30.5	23.4	92.1	93.8	74.9	72.5	80.7	87.4	83.6	......
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	175.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1..	ESE	Calm	ENE	ENE	ENE	SSE	22.3	64.1	84.8	45.7	216.9	7	Ci.-S.	Cu. ESE	5	Ci.-S. SSW	Cu. E
2..	Calm	Calm	ESE	NbyW	ENE	Calm	18.7	49.7	75.6	39.9	183.9	6	Ci.	Cu. ESE	9	Ci.-S. SSE	Cu. ENE
3..	Calm	Calm	SE	ESE	ENE	Calm	20.3	65.7	96.4	37.2	219.6	2	Ci.	Fr.-S. NE	6	Ci.	Cu. ESE
4..	Calm	Calm	EbyN	N	ENE	S	17.5	49.9	70.2	52.5	190.1	3	Ci.	Fr.-Cu. ESE	2	Ci.	Cu. SE
5..	Calm	Calm	EbyN	NbyW	ENE	Calm	21.2	50.4	88.7	49.3	209.6	4	Ci.	Cu. ESE	2	Ci.	Cu. ESE
6..	Calm	Calm	EbyN	ENE	ENE	Calm	17.5	54.2	70.8	47.5	190	6	Ci.	Cu. ESE	7	Ci.-S.	Cu. E
7..	Calm	Calm	N	NbyW	ENE	Calm	17.5	27.4	88.8	39.7	173.4	5	Ci.-S.	S.-Cu. ENE	4	Ci.	Cu. ENE
8..	Calm	Calm	N	NE	SSE	SE	22.3	25.5	88.3	48.3	184.4	10	....	S.-Cu. ENE	10	Ci.-S.	N. EbyN
9..	SE	SSE	ESE	ESE	ESE	ESE	49.9	69.7	87.5	60.7	267.8	9	Ci.-S. ESE	Cu. E	6	Ci.-S.	Cu. S
10..	SSE	Calm	E	ESE	E	ESE	37.3	75.9	103	44.8	261	8	Ci.-S. SE	S.-Cu. ESE	7	Ci.-S. ESE	Cu. S
11..	Calm	Calm	ESE	ENE	ESE	ESE	20.7	70	128.9	75	294.6	9	A.-Cu. SE	S.-Cu. ESE	9	Ci.-S.	Fr.-Cu. SE
12..	Calm	ENE	ENE	ENE	EbyN	EbyN	63.3	121	104.3	75.4	364	4	Ci.-S.	Fr.-Cu. ESE	4	....	Cu. ESE
13..	Calm	NEbyE	ENE	ESE	SEbyS	Calm	26.2	65	52	25.9	169.1	10	Ci.-S.	S.-Cu. ESE	10	....	N. ESE
14..	SSE	EbyN	ENE	SWbyS	S	Calm	27.7	74	38.9	18.3	158.9	10	....	N. E	10	....	N. E
15..	Calm	Calm	EbyN	ENE	ENE	SE	14.2	56.3	102.5	63.6	236.6	3	....	Cu. E	8	Ci.-S.	Cu. ENE
16..	Calm	Calm	ENE	ENE	ENE	ENE	16.4	64.7	105.1	78.4	264.6	2	....	Cu. ESE	2	....	Cu. ESE
17..	SSE	Calm	ENE	ESE	ESE	ESE	34.6	84.5	81.9	27.6	228.6	3	....	Cu. ENE	2	Ci.	Cu. ESE
18..	Calm	Calm	EbyN	N	ENE	ENE	21.2	58.4	71.1	81.9	232.6	1	....	Fr.-S. NE	1	Ci.	Cu. ESE
19..	Calm	SSW	ENE	ENE	ENE	Calm	15.8	56.9	107.8	62.5	243	7	Ci.-S.	S.-Cu. ESE	4	....	Cu. ESE
20..	Calm	Calm	EbyN	ENE	ENE	EbyN	23.9	86.6	107.2	68.9	286.6	3	Ci.	Fr.-Cu. E	7	Ci.-S.	Cu. ESE
21..	Calm	ENE	ENE	ENE	ENE	Calm	12.3	86.9	117.7	24.3	241.2	9	Ci.-S.	Cu. ESE	6	A.-Cu. E	Cu. E
22..	Calm	Calm	Calm	ENE	ENE	Calm	17.2	22	51.3	33.5	124	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	Cu. ESE
23..	Calm	Calm	ESE	ENE	ENE	Calm	24.3	63	62.6	39.6	189.5	10	Ci.-S.	S.-Cu. E	6	A.-Cu. ESE	Cu. E
24..	Calm	Calm	EbyN	NE	ENE	Calm	17.4	39.7	92.5	47.5	197.1	4	....	Cu. ESE	5	A.-Cu. SE	Cu. ESE
25..	Calm	Calm	ENE	EbyN	SE	Calm	17.7	49.1	54.7	22.2	143.7	9	Ci.-S.	S.-Cu. E	10	Ci.-S. SSE	Cu.-N. NE
26..	Calm	Calm	EbyN	ENE	EbyN	Calm	19	40.7	84.2	29.2	173.1	9	Ci.-S.	Fr.-Cu. E	9	Ci.-S. SSE	Cu. E
27..	Calm	ENE	EbyN	ENE	ESE	Calm	41.2	54.5	89.6	24.3	209.6	5	Ci.-S. E	Cu. ENE	10	A.-S. ESE	Fr.-S. E
28..	Calm	S	ENE	ENE	SSE	SSE	14.7	40.7	76.4	21.2	153	10	....	N. E	10	....	N. E
29..	Calm	Calm	ENE	NE	ESE	Calm	10.5	62.3	100.8	15.6	189.2	6	A.-Cu. SE	Cu. E	10	Ci.-S.	S.-Cu. ESE
30..	Calm	Calm	ENE	ENE	ENE	ENE	15	70.3	125.8	96	307.1	4	Ci.-S.	Fr.-Cu. E	2	....	Cu. ESE
Mean	......	......	......	......	......	......	23.3	60	87	46.6	216.8	6.3	....	....	6.4	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	6,502.8	....	....	....	....	....	....

SURIGAO

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.06	59.54	59.99	57.74	58.25	59.75	59.06	25.5	25.4	29.6	31.4	28.3	25.7	27.6	31.6	24.9	88	88	75	65	73	81	78.3	......
2..	59.05	59.40	60.11	58.04	58.41	60.02	59.17	23.9	23.2	28.9	29	27.5	24.6	26.2	29.5	23.2	92	97	72	76	78	91	84.3	9.4
3..	58.84	58.95	59.77	58.06	58.16	59.52	58.88	23.7	23.7	27	28.8	27.6	26.3	26.2	28.9	23.3	97	97	86	73	80	83	86	4.6
4..	58.67	58.84	59.23	58.09	58.47	60.01	58.88	24	23.4	29.5	28.1	27.8	25.3	26.4	30.3	23.1	91	96	76	85	83	93	87.3	7.6
5..	59.20	59.80	60.90	59	59.38	60.64	59.82	24.6	24.7	27.5	30.4	28.2	25.5	26.8	30.8	24	97	96	81	75	80	92	86.8	2.3
6..	59.39	59.75	60.05	58.51	59.06	60.52	59.55	25.1	24.4	29.6	26.1	26.9	24.9	26.2	30.2	24.3	92	96	77	90	84	92	88.5	21.4
7..	58.78	59.09	59.83	57.69	58.29	59.45	58.86	24.2	23.7	29.8	30.1	28.2	25.5	26.9	31.5	23.6	94	97	77	71	81	86	84.3	.8
8..	58.36	58.35	59.26	57.97	58.65	60.44	58.84	24.4	23.9	30.1	28.8	28.2	26.6	27	31.2	23.6	92	96	72	76	80	83	83.2	2
9..	59.24	59.35	59.55	57.79	58.16	59.88	59	24.4	23.8	30	31.3	28.4	26.4	27.4	31.5	23.7	92	96	73	69	78	87	82.5	......
10..	58.62	58.73	59.48	57.44	57.53	59.08	58.48	24.4	23.9	30.2	31.4	28.4	26.9	27.5	31.8	23.7	92	96	73	66	78	85	81.7	......
11..	57.66	57.82	58.54	56.68	57.64	58.99	57.89	24.9	24.5	30	31.6	28.5	26.3	27.6	31.7	24.1	89	92	71	66	80	88	81	6.1
12..	58.12	58.58	58.79	57	57.26	58.91	58.11	24.8	24.4	30.4	31.4	28.5	26.4	27.6	31.5	24.3	93	96	69	66	80	89	82.2	......
13..	58.02	58.25	58.83	57.03	57.35	58.75	58.04	24.9	24	30.9	31.6	29	26.4	27.8	32	23.5	89	91	69	67	78	87	80.2	......
14..	57.93	58.14	59.35	57.10	56.97	58.40	57.98	25.3	24.7	25.4	29.5	28	25.8	26.4	30.5	24.6	91	94	93	81	85	88	88.7	22.4
15..	57.12	57.59	58.60	55.94	56.40	58	57.28	24.9	24.4	28.5	29.3	28	25.8	26.8	30.5	24.2	92	94	78	79	82	89	85.7	.3
16..	57.21	57.54	57.84	55.82	56.43	58.24	57.18	25.2	24.5	30	30.4	28.5	25.6	27.4	31.3	24.4	92	96	76	75	81	92	85.3	......
17..	57.30	57.59	57.73	55.54	56.43	58.51	57.18	25.3	25.1	30.9	32	29.3	26.7	28.2	32.1	24.9	93	95	69	69	79	85	81.7	......
18..	56.92	57.56	58.07	56.23	56.68	58.20	57.28	25.3	25	31	31.5	29.5	27.4	28.3	31.7	24.6	93	94	76	72	81	84	83.3	......
19..	57.83	58.52	58.83	56.68	57.29	59.11	58.04	25.7	25	29.8	31.5	29.2	27.5	28.1	31.9	24.9	92	96	79	72	76	82	82.8	......
20..	57.95	58.94	59.53	57.73	58.11	59.31	58.60	25.4	25	29.9	30.5	28.3	26.6	27.6	31.4	24.8	92	94	79	71	80	86	83.7	......
21..	58.59	59.62	60.03	58.08	58.71	59.75	59.13	25.1	25	29.5	31.7	29.1	26.4	27.8	32.2	24.7	92	92	76	70	77	89	82.7	......
22..	58.59	58.91	59.30	57.40	57.90	59.23	58.56	24.8	24.5	30.4	31.6	29.6	26.7	27.9	31.9	24.4	92	94	70	68	74	86	80.7	......
23..	57.95	58.81	59.51	57.45	58.05	59.59	58.56	25.6	25.2	28.7	31.5	28.5	26.2	27.6	32	25.1	92	95	84	69	79	89	84.7	1.8
24..	58.66	58.82	59.96	57.63	58.04	59.61	58.79	25	24.6	29.7	32	28.9	26.3	27.8	32.2	24.5	92	95	73	67	79	85	81.8	......
25..	58.62	59.06	59.66	57.73	58.18	59.65	58.82	24.9	24.1	29.9	30.5	28.8	25.1	27.2	32.1	23.9	91	95	74	72	75	87	82.3	......
26..	58.53	58.58	59.18	57.04	57.04	58.96	58.22	24	23.4	29.2	30.8	29	25.4	27	31.8	22.9	91	94	73	65	77	85	80.8	......
27..	57.89	57.57	58.22	55.70	55.87	58.07	57.22	23.6	23.4	30.9	31.5	29.4	26.2	27.5	32.6	22.9	91	92	70	66	78	85	80.3	......
28..	56.92	57.34	58.19	55.90	56.74	58.45	57.26	24.9	24.6	30.5	31.4	29.2	26	27.8	31.7	24.3	92	93	72	64	76	90	81.2	......
29..	56.94	56.94	57.32	56.02	56.90	58.55	57.11	24.5	24.5	31	31.2	26.2	25.1	27.1	33.1	24	94	94	68	71	94	94	85.8	7.8
30..	57.59	57.54	57.97	56.79	56.74	58.96	57.60	24.9	24.7	29.8	29.5	28.6	26.3	27.3	30.8	24.5	94	96	80	82	80	84	86	......
31..	58.31	59	59.54	57.69	58.01	59.05	58.60	24.7	24.3	29.6	32.5	28.9	26.1	27.7	32.5	24.1	93	96	79	73	77	88	84.3	1
Mean	58.19	58.53	59.13	57.21	57.65	59.21	58.32	24.8	24.4	29.6	30.6	28.5	26.1	27.3	31.4	24.1	92.2	94.6	75.5	72	79.5	87.3	83.5	......
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	87.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	ENE	ESE	ESE	Calm	50.7	59.5	81.1	20.4	211.7	9	....	S.-Cu. E	2	....	Cu. SE
2..	Calm	SSW	ENE	ENE	ENE	Calm	21.1	65.7	108.6	36.4	231.8	4	Ci.-S. ESE	Cu. ENE	8	....	N. ENE
3..	SSE	S	Calm	NEbyE	ENE	EbyN	21.7	23	102.7	65.5	212.9	7	Ci.-S.	S.-Cu. E	9	Ci.-S.	Cu. SE
4..	SSE	Calm	EbyN	NEbyE	ENE	Calm	22	46.2	74.3	42	184.5	9	Ci.-S.	Cu. EbyN	6	Ci.-S.	Cu. E
5..	Calm	Calm	ENE	ENE	ENE	Calm	11.8	68.6	97.1	36.2	213.7	4	A.-Cu. SE	Cu. ENE	4	Ci.	Cu. ESE
6..	Calm	S	ESE	ENE	SSE	EbyN	14.5	41.6	73.2	28.8	158.1	10	....	N. E	9	Ci.-S.	N. E
7..	SSE	S	ENE	ENE	ENE	Calm	25.5	43.5	78.4	46.5	193.9	6	Ci.-S.	Cu. E	6	....	Cu.-N. ENE
8..	Calm	Calm	ENE	ENE	ENE	ENE	16.7	49.7	90.3	47.8	204.5	5	Ci.	Fr.-Cu. ESE	7	....	Cu.-N. E
9..	Calm	Calm	ESE	ENE	ENE	SSE	11.6	43.3	88.8	58.2	202.4	6	Ci.-S.	Cu. SE	5	Ci.	Cu. ENE
10..	Calm	Calm	ENE	ENF	ENE	ESE	9.7	54.2	68.1	58.7	190.7	2	....	S. ENE	1	....	Cu. E
11..	Calm	Calm	ENE	ENE	ESE	Calm	21.5	63.6	86.1	24.4	195.6	7	Ci.-S.	Fr.-S. NE	2	Ci.-S. WbyN	Cu. ESE
12..	Calm	Calm	ENE	ENE	ESE	Calm	17.9	56.6	82.9	27.2	184.6	9	Ci.-S. E	S.	4	Ci.	Cu. SE
13..	SSE	Calm	ENE	ENE	ENE	Calm	19.1	51.5	93.6	27.2	191.4	7	Ci.	Cu. ENE	6	Ci.	Cu. ESE
14..	Calm	Calm	Calm	N	EbyS	Calm	14	19.8	23.9	17.7	75.4	7	Ci.-S.	Cu.-N. E	10	Ci.-S. SE	Cu. ENE
15..	Calm	Calm	ENE	N	Calm	N	23.5	31.1	29.6	17.1	101.3	9	Ci.-S.	Cu. ENE	9	A.-S. SE	Cu.
16..	Calm	Calm	ENE	N	Calm	Calm	11.9	31.7	25.9	16.4	85.9	8	Ci.-S.	Fr.-S. E	7	Ci.-S. ENE	Cu. S
17..	Calm	Calm	ESE	ENE	ESE	Calm	13.9	55.2	51.7	13.4	134.2	5	A.-Cu. E	Fr.-S. NE	4	Ci.-S.	Cu. S
18..	Calm	Calm	Calm	Calm	Calm	Calm	17.2	25.9	24.7	14.3	82.1	8	Ci.-S. WSW	Cu.	9	Ci.-S. WSW	Cu. S
19..	Calm	Calm	N	Calm	ESE	Calm	10.3	27.1	47.3	35.6	120.3	3	Ci.	Fr.-S. WNW	2	....	Cu. SSW
20..	Calm	Calm	NNW	Calm	SSE	Calm	14.7	42.3	43.1	17.2	117.3	9	Ci.-S.	Fr.-S. ENE	5	Ci.-S.	Cu.-N. SSW
21..	Calm	Calm	ENE	EbyN	ENE	Calm	16.7	47.7	88	37.5	189.9	2	Ci.	Cu.	4	Ci.	Cu. SE
22..	Calm	Calm	ENE	EbyN	ESE	Calm	12.4	51.2	77.9	19.6	161.1	2	Ci.	Cu. E	3	Ci.	Fr.-Cu. SSE
23..	Calm	Calm	ENE	ESE	SSE	Calm	14.7	62.6	71.1	16.4	164.8	9	A.-Cu. SE	S.-Cu. SE	8	Ci.-S. S	Cu. SE
24..	Calm	Calm	ENE	ENE	ESE	Calm	13.2	46.7	62.8	18.8	141.5	8	A.-S. ESE	Cu.	9	Ci.-S.	Cu. SSW
25..	Calm	Calm	ENE	NNW	Calm	Calm	15.8	27.6	31.2	18.7	93.3	8	Ci.-S. E	Cu.	6	Ci.-S.	Cu. SSW
26..	S	SSW	ENE	ENE	ESE	Calm	22.2	36.4	59.2	18.7	136.5	6	Ci.	S.	6	Ci.-S.	Cu. SSW
27..	Calm	Calm	NNW	Calm	ENE	Calm	22.5	25.7	22.7	17.5	88.4	6	Ci.	Cu.	4	Ci.	Cu.-N. SSW
28..	Calm	SW	Calm	NNW	SSE	SSE	22	21.1	29	19.6	91.7	9	Ci.-S.	Cu. W	4	Ci.-S. W	Cu. SW
29..	Calm	Calm	ENE	ENE	Calm	Calm	16.9	54.5	83.5	40.4	195.3	10	Ci.-S. SW	Cu. ENE	7	Ci.-S. NNE	Cu. SE
30..	Calm	Calm	Calm	NNW	ESE	Calm	12.7	22.5	55.2	23.8	114.2	10	A.-Cu. ESE	Cu. ENE	9	Ci.-S. N	Cu. SSW
31..	Calm	Calm	ENE	ENE	ENE	Calm	19.1	34.8	46.7	46.9	147.5	8	Ci.-S. NNE	Cu.	6	Ci.-S.	Cu. E
Mean	......	......	......	......	......	......	18	42.9	64.5	30	155.4	6.8	....	....	5.8	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	4,816.5	....	....	....	....	....	....

SURIGAO

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.35	58.84	59.55	57.49	58.10	58.48	58.47	25.4	25	29.1	30.2	26.3	24.9	26.8	31.3	24.6	92	95	80	78	91	94	88.3	23.4
2..	57.72	57.66	58.24	56.43	56.90	58.15	57.52	24.4	24.7	29.3	29.5	28.5	26.6	27.2	31.2	24.3	98	97	80	80	82	86	87.2	.8
3..	56.39	57.31	57.55	55.80	56.75	58.12	56.99	25.1	24.6	28.7	30.8	28.1	26.2	27.2	31.8	24.2	94	96	83	73	85	90	86.8	......
4..	56.60	57.11	57.92	56.06	56.69	58.16	57.09	25.3	24.5	30.5	31.5	29.1	26.5	27.9	32	24.2	92	96	77	73	81	87	84.3	.5
5..	57.21	58.07	58.74	57.87	58.25	59.12	58.21	25.5	25.3	30.4	28.7	27	25.3	27	30.4	25	94	96	77	79	87	92	87.5	.3
6..	57.88	58.29	59.29	57.65	58.53	59.82	58.58	24.7	24.6	27.7	26.8	27	25.9	26.1	28.3	24.2	94	95	89	90	87	91	91	3.4
7..	58.73	58.58	58.67	56.64	57.88	58.57	58.18	24.5	24.2	29	29.3	26.3	26.1	26.6	29.7	24	96	97	82	76	90	89	88.3	23.9
8..	56.38	57.15	57.42	55.83	55.72	57.16	56.61	24.8	24.4	24.6	25.4	27.1	27.4	25.6	27.7	24.3	92	92	93	90	85	83	89.2	23.2
9..	56.18	56.80	57.29	55.93	56.67	58.19	56.84	27.2	27.1	30.6	30.1	28.3	26.2	28.2	31.2	25.6	82	78	66	71	74	87	76.3	......
10..	56.61	57.04	57.82	56.53	57.53	58.28	57.30	25.1	24.9	29.5	31.2	28.7	25.7	27.5	31.7	24.6	91	92	77	71	69	88	81.3	......
11..	57.33	57.63	58.05	56.72	57.46	58.92	57.68	24.8	24.9	30	31.2	28.1	25.9	27.5	32.6	24.6	91	91	71	69	78	89	81.5	......
12..	57.56	58.02	58.35	56.53	57.75	58.52	57.79	24.8	24.7	30.1	30.4	26.4	25.1	26.9	31.4	24.2	93	94	76	72	92	91	86.3	3.8
13..	57.89	58.80	59.15	57.54	57.95	59.67	58.50	24.2	23.9	29.4	28.4	27.8	25.3	26.5	31.4	23.5	93	94	76	84	82	90	86.5	1.5
14..	57.96	58.68	59.06	57.39	57.79	59.09	58.33	24.4	24.5	31.4	32.8	29.8	25.8	28.1	33	24.1	95	94	73	47	73	88	78.3	......
15..	58.33	58.84	58.92	57.17	57.86	59.54	58.44	24.3	24.3	31.2	31.5	29.8	25.7	27.8	32.1	23.9	94	94	63	67	71	89	79.7	......
16..	58.62	59.11	58.99	57.63	58.15	59.89	58.73	24.6	25	31.4	31.6	29.2	25.6	27.9	32.2	24.5	93	91	61	59	70	85	76.5	......
17..	58.69	59.31	59.25	57.20	58.33	59.12	58.65	24.5	24.3	30	30.7	28.3	25.4	27.2	31.2	24.1	89	90	70	70	75	88	80.3	......
18..	57.86	58.09	58.47	56.81	57.25	58.16	57.77	24.5	24.4	29.5	29.4	27.4	25.4	26.8	30.3	24.1	91	91	79	68	80	90	83.2	......
19..	56.97	57.66	57.43	55.84	56.90	58.50	57.22	25.2	24.6	31.3	31.2	28.4	25.5	27.7	32	24.2	90	92	69	55	74	91	78.5	1.8
20..	57.09	57.64	58.22	56.94	57.94	59.10	57.82	24.9	26	26.7	29.6	28	26	26.9	30.3	24.7	92	85	79	70	71	85	80.3	13.2
21..	57.64	58.58	59.03	57.59	58.43	59.76	58.50	24.8	24.9	30.9	31.4	28.4	25.4	27.6	31.5	24.2	92	92	67	63	76	88	79.7	......
22..	58.67	59.55	59.76	58.31	58.37	59.43	59.02	27.9	28	29.8	30.7	27.7	26.5	28.4	30.9	26.3	81	81	73	64	75	82	76	......
23..	58.37	58.41	58.77	57.54	58.57	60	58.61	27.4	25.5	30.8	29.4	24.9	24.2	27	31.3	23.3	77	84	67	72	92	93	80.8	11
24..	58.12	58.28	58.41	57.48	58.20	59.36	58.31	23.2	24.2	27.5	27.4	26	25.5	25.6	27.6	23	97	94	81	84	90	91	89.5	......
25..	57.41	57.46	57.72	56.25	56.77	58.47	57.35	25.7	26.4	28.2	28.3	26.6	24.2	26.6	28.5	23.9	85	81	74	72	86	93	81.8	5.6
26..	56.94	57.34	57.86	56.64	57.16	58.37	57.38	25	24.3	29	29.1	27	25.3	26.6	31.4	24.1	90	93	70	69	82	91	82.5	......
27..	58.06	58.16	58.59	57.06	57.81	59.54	58.20	24.6	24.9	30.7	31	29	25.7	27.6	32.2	24.2	91	89	75	66	74	89	80.7	......
28..	58.88	59.24	59.25	57.72	58.05	59.34	58.75	24.7	24.6	31.8	31.8	29.2	25.5	27.9	32.5	23.8	93	94	75	72	77	88	83.2	......
29..	58.17	58.88	58.87	56.89	57.45	57.88	58.02	24.6	24.3	29.3	29.5	27.7	25.7	26.8	31.6	24.1	92	94	79	72	76	87	83.3	.3
30..	56.39	56.28	56.56	55	55.45	55.76	55.91	24.3	24.8	28.4	27.5	26.6	24.3	26	28.6	24.1	94	92	81	79	81	94	86.8	10.7
Mean	57.63	58.09	58.44	56.88	57.56	58.75	57.89	25	24.9	29.6	29.9	27.8	25.6	27.1	30.9	24.3	91.3	91.5	75.4	71.8	80.2	89	83.2	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	123.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	ENE	ENE	Calm	Calm	14.8	35.2	46.9	23.3	120.2	5	Ci.-S. NNW	Cu. ESE	9	Ci.-S. ESE	Cu.-N. ENE
2..	Calm	Calm	ENE	ENE	ENE	ESE	12.4	46.1	84.7	29.6	172.8	8	Ci.-S.	S.-Cu. ENE	9	A.-S. SE	Cu. E
3..	Calm	Calm	Calm	Calm	ESE	Calm	16.9	22.7	32.2	15	86.8	10	Ci.-S.	Cu.-N. E	10	Ci.-S. S	Cu. ESE
4..	Calm	Calm	Calm	N	ENE	Calm	14	19	25.4	21.9	80.3	6	A.-Cu. ESE	Cu.	7	Ci.-S.	Cu. ESE
5..	Calm	Calm	NNW	Calm	Calm	Calm	16.1	30.9	11.5	28.8	77.3	9	Ci.-S.	Fr.-Cu. NNE	10	A.-S.	Cu. WNW
6..	Calm	SSW	Calm	NbyW	N	Calm	18.7	12.1	30.3	15.6	76.7	9	A.-Cu. S	Fr.-S. W	10	A.-S.	Fr.-N. W
7 .	Calm	Calm	NNW	WNW	Calm	N	21.9	29.3	44.1	55.7	151	9	Ci.-S.	Fr.-S. NW	10	Ci.-S.	Cu. WNW
8..	WNW	WSW	W	WSW	WSW	SW	69.7	107.2	106.2	103.6	386.7	10	....	N. WNW	10	....	N. WbyS
9..	SW	SW	Calm	WSW	SW	SW	55.2	25.7	43.8	27.4	152.1	10	A.-S. WNW	Cu. WSW	10	Ci.-S.	Fr.-S. S
10..	Calm	Calm	ENE	Calm	SSW	SSW	15.6	22.8	38	27.1	103.5	10	A.-S. S	Cu. WNW	9	A.-Cu.	Fr.-Cu. SSW
11..	Calm	Calm	ENE	NWbyW	Calm	Calm	18.8	25.9	41.6	22	108.3	8	A.-Cu. S	Cu. NW	4	Ci. N	Fr.-S. SSE
12..	Calm	Calm	ENE	Calm	Calm	SSW	20.4	38.6	24.6	33.3	116.9	10	Ci.-S. NNW	Cu.	9	Ci.-S.	Fr.-S. SSW
13..	Calm	Calm	ENE	SSE	Calm	Calm	18.3	26	26.4	18.7	89.4	4	Ci.	Cu. NW	8	Ci.-S.	Cu. S
14..	Calm	Calm	Calm	WSW	ESE	Calm	19.6	30.1	49.7	18.7	118.1	6	A.-Cu. S	Cu. NW	3	Ci.-S.	Cu. SW
15..	Calm	Calm	WSW	WNW	Calm	Calm	14.8	35.4	35.7	19.3	105.2	4	A.-Cu. S	Cu. NW	6	Ci.	Fr.-Cu. WSW
16..	Calm	Calm	W	WNW	Calm	WSW	20.9	40.5	41.3	18.5	121.2	3	A.-Cu.	Cu. S	6	Ci.-S. S	Cu.
17..	Calm	Calm	WNW	NNW	WSW	Calm	22.2	29.6	45.6	23	120.4	6	Ci.-S.	Cu. WNW	6	Ci.-S.	Cu. SSW
18..	Calm	Calm	ENE	Calm	Calm	Calm	17.1	21.4	21.9	12.1	72.5	9	Ci.-S. SSE	Cu. WNW	10	Ci.-S.	Cu. W
19..	Calm	Calm	SW	WSW	Calm	Calm	19.9	43.5	55.5	36.7	155.6	8	Ci.-S.	Cu. WNW	7	Ci.-S. N	Fr.-Cu. WSW
20..	WSW	W	WSW	WSW	WSW	Calm	27.9	59.5	78.6	20.7	186.7	10	....	N. W	6	A.-Cu.	Fr.-Cu. W
21..	Calm	Calm	WSW	WbyS	WbyS	Calm	16.7	44.5	51	20.6	132.8	10	A.-Cu. S	Cu. NW	3	Ci.	Fr.-Cu. W
22..	WSW	WSW	WbyS	Calm	Calm	Calm	46.1	53.6	32	23.8	155.5	8	Ci.-S.	Cu. W	9	A.-Cu.	Cu. W
23..	WSW	SSW	WSW	WbyS	Calm	Calm	31.1	41.3	43.8	20.3	136.5	1	Ci.	Cu. NbyW	10	Ci.-S.	Fr.-S. W
24..	Calm	Calm	WbyS	Calm	Calm	WSW	20.1	32.5	13.5	38.4	104.5	9	A.-Cu. W	S.-Cu. E	10	A.-S.	Cu. WNW
25..	WSW	WbyS	SW	WSW	WSW	Calm	46.4	61.7	42.3	44.5	194.9	10	A.-S. NW	Fr.-S. W	10	A.-S. W	Cu. W
26..	WSW	Calm	WSW	WNW	Calm	SSW	22.7	31.9	25.7	24.4	104.7	10	A.-Cu. WSW	Cu. NW	10	A.-Cu. S	Cu. NW
27..	SSW	SSW	ENE	ENE	SE	Calm	31.6	45.7	69.8	20.7	167.8	7	A.-Cu. SSE	Cu.	4	Ci.-S. SW	Fr.-Cu. SSW
28..	Calm	Calm	Calm	Calm	ENE	Calm	19.5	16.3	32.7	29.2	97.7	4	A.-Cu.	Cu. NE	2	Ci.-Cu.	Cu. ESE
29..	Calm	Calm	N	NbyW	W	Calm	19.8	27.2	38.8	18	103.8	4	....	S. EbyS	8	Ci.-S. ESE	Cu. WNW
30..	Calm	WSW	WSW	WSW	Calm	W	24.6	41.8	56.5	32.5	155.4	10	Ci.-S.	Fr.-S. NW	10	Ci.-S.	Fr.-S. W
Mean	......	......	......	......	......	......	24.5	36.6	43	27.8	131.8	7.6	....	....	7.8	....	....
Total	......	......	......	......	......	......	......	......	......	......	3,955.3	....	....	....	....	....	....

SURIGAO

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, −1.86 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	54.79	54.95	55.56	54.21	55.22	56.57	55.22	24	24.2	26.9	28.4	27.3	25	26	29.2	23.2	95	93	82	77	81	92	86.7	11.4
2..	56.33	57.14	57.90	57.54	58.12	60.24	57.88	25.9	26.6	29.1	31.1	27.4	24.7	27.5	32.5	24.1	78	69	67	54	78	89	72.5	......
3..	59.18	60.48	60.55	58.88	59.28	61.15	59.92	23.6	23.6	29.3	30.1	28.2	25	26.6	31.1	23	91	92	76	69	80	91	83.2	......
4..	59.98	60.23	60.04	58.60	59.43	60.65	59.82	24.1	23.7	30	30.4	28.8	23.4	26.7	30.8	23.2	94	96	74	76	78	94	85.3	34.3
5..	58.71	59.68	59.70	58.06	58.60	59.62	59.06	23	22.9	28.8	30.6	28	25	26.4	30.7	22.6	96	97	65	74	77	91	83.3	......
6..	59.07	59.42	59.35	58.14	59.18	60.26	59.24	24.3	24.4	27.9	30.4	27.6	25.3	26.6	31.4	23.9	95	94	84	72	82	89	86	......
7..	59.44	60.23	60.79	59.33	59.86	61.25	60.15	24.2	24.4	29	30.5	27.7	24.8	26.8	30.8	24.1	91	91	78	69	82	92	83.8	......
8..	60.24	60.21	60.49	58.95	59.35	60.69	59.99	24.3	23.8	30.8	31.1	29.5	26.4	27.6	32.5	23.7	93	96	74	75	77	87	83.7	20.8
9..	59.11	59.27	59.48	57.64	58.04	59.76	58.88	25.2	24.4	29.5	30.7	29	25.7	27.4	32	24.1	93	97	78	74	74	85	83.5	......
10..	58.35	59.06	59.15	57.40	58.25	59.45	58.61	24.4	24	29.7	27	28.2	25.2	26.4	30.8	23.8	92	95	76	82	80	89	85.7	.3
11..	58.61	58.93	59.46	57.44	58.58	60.43	58.91	24.3	23.8	29.7	31.3	29.1	25.7	27.3	32	23.4	91	93	77	73	77	89	83.3	......
12..	59.09	59.56	59.88	58.35	58.35	59.74	59.16	24.5	24	32	31.3	29	25.8	27.8	32.4	23.8	93	96	72	68	78	89	82.7	......
13..	58.26	58.63	60.12	58.23	58.59	60.06	58.98	24.6	24.2	24.2	27.2	25.7	24.4	25	28.3	23.3	92	94	94	80	89	91	90	37.3
14..	58.54	59	59.49	57.28	58.33	59.79	58.74	22.9	22.6	28.4	29.7	28.8	25.1	26.2	30.5	22.4	94	96	77	71	76	88	83.7	......
15..	58.60	58.64	58.05	56.64	56.84	59.14	57.98	24.5	23.5	30	29.6	27.5	24.6	26.6	30.5	23.2	92	93	68	70	81	90	82.3	......
16..	57.61	58.23	58.29	56.71	57.39	59	57.87	23.6	24.1	29	30.6	27.5	25.1	26.6	30.8	23.4	97	93	78	65	73	89	82.5	.8
17..	57.78	58.12	58.93	57.59	58.08	59.10	58.27	24.4	24.7	26.9	28.9	26.5	24.4	26	29.3	24.2	91	90	90	74	84	91	86.7	13.4
18..	58.27	57.33	58.29	57.18	57.08	57.91	57.68	24.6	23.4	28.3	26.4	26.8	25	25.8	29.2	23.3	92	94	80	89	86	90	88.5	26.4
19..	56.87	56.88	56.68	55.49	55.99	57.23	56.52	24.4	25.3	26.5	29.1	27.1	24.5	26.2	29.4	24.2	93	88	87	77	81	95	86.8	8.6
20..	55.47	55.98	56.56	55.59	56.05	57.22	56.14	24.1	24	27.1	28.2	27.4	24.6	25.9	29.2	23.9	97	97	87	83	84	95	90.5	32.5
21..	55.86	56.20	56.47	55.20	56.16	57.64	56.26	23.8	23	28.3	29.2	27.5	25.7	26.2	30.4	22.9	93	97	73	74	81	91	84.8	.5
22..	55.95	56.36	56.85	55.14	55.70	57.30	56.22	25.5	25.5	30.4	30.6	28.5	25.7	27.7	31.3	24.8	92	91	66	68	78	93	81.3	71.2
23..	56.35	56.13	56.82	55.41	56.19	57.65	56.42	24.7	24.4	29.2	30.6	27.9	25.2	27	31.2	24.1	95	96	78	64	77	92	83.7	8.4
24..	56.27	56.78	57.26	55.85	56.75	58.07	56.83	26.4	25.1	29.3	31	26.8	25.6	27.4	31.5	24.9	86	92	76	61	80	88	80.5	......
25..	56.80	56.97	57.49	55.80	55.79	57.10	56.66	24.2	24.8	29.6	30.6	28.1	28.4	27.6	31.5	24.1	95	93	74	71	77	75	80.8	3
26..	55.92	55.51	56.05	54.59	54.62	56.47	55.53	26.8	27.4	28.3	26.6	27.6	27	27.3	28.4	25.2	83	81	74	80	72	75	77.5	4.1
27..	54.82	54.42	55.30	54.23	54.38	55.22	54.73	26.6	27.4	26.7	27.2	27.1	28	27.2	28.4	26.2	72	68	80	74	72	69	72.5	1.5
28..	54.87	56.23	56.54	55.35	55.76	55.95	55.78	28.4	25.1	28.4	28.1	27	27.8	27.5	29.2	24.8	68	84	69	72	77	69	73.2	1.5
29..	55.22	55.11	54.97	54.09	54.79	55.46	54.94	28.2	27.9	31.9	32.2	29.8	28.9	29.8	32.4	27.4	67	68	50	54	56	63	59.7	......
30..	54.40	54.51	54.59	53.44	53.83	55.41	54.36	28.2	27.8	31.6	31.9	29.4	28.4	29.6	32.7	27.6	67	69	55	48	58	68	60.8	......
31..	55.04	55.47	55.75	54.46	54.93	57.08	55.46	27.8	26.7	32.3	32.1	29.9	29.2	29.7	32.9	26.5	73	86	53	51	53	54	61.7	......
Mean	57.28	57.60	57.96	56.54	57.08	58.47	57.49	25	24.7	29	29.8	28	25.8	27	30.8	24.2	88.4	89.6	74.6	70.6	76.7	85.3	80.9	......
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	276

Day.	Wind.											Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	Calm	WSW	WSW	WSW	18.5	43.5	79.4	37.5	178.9	10	Ci.-S.	Cu. NW	10	Ci.-S. NNE	Cu. W
2..	WSW	SSW	SSW	SSW	Calm	Calm	54.1	38.6	38	16.6	147.3	10	A.-S.	S.-cf. wsw	9	A.-Cu. SW	Cu. SSE
3..	SW	SSW	ENE	Calm	Calm	Calm	26.8	34	32	13.9	106.7	10	Ci.-S.NNW	Fr.-S. SE	10	Ci.-S.	Cu. WNW
4..	Calm	Calm	NNW	NNW	ENE	ENE	22	28.4	54.1	50.4	154.9	7	Ci.-S.	Cu. WNW	4	Ci.-S. NW	Cu. S
5..	Calm	SW	Calm	N	NbyW	Calm	23	18.7	45.3	20.4	107.4	9	A.-Cu.	S.-Cu. SE	6	Ci.-S. ENE	Cu. ENE
6..	SSE	Calm	Calm	ENE	Calm	Calm	27.6	21.7	49.7	15.9	114.9	10	A.-S. SE	....	5	Ci.-S. NNE	Cu.
7..	Calm	Calm	NW	Calm	Calm	WSW	22.7	28.7	18.5	20.3	90.2	6	Ci.-s. WNW	Fr.-Cu. NE	6	Ci.	Cu. SSW
8..	SSW	Calm	Calm	NbyW	ENE	Calm	18.2	16.6	46.7	42.4	123.9	2	Ci.	Cu. NNE	3	Ci.-Cu.	Cu. ESE
9..	WSW	Calm	Calm	NbyW	ENE	Calm	25.4	19.5	45.4	35.7	126	8	Ci.-S. N	Cu.	2	Ci.	Cu. SE
10..	Calm	Calm	NbyW	Calm	Calm	Calm	19.1	19.9	28.4	20.7	88.1	8	Ci.-S.	Cu. NNE	9	A.-S. S	Cu. NNE
11..	Calm	SSW	NNW	NNW	ENE	WSW	24.4	24.7	32.8	21.1	103	7	Ci.-S.	Cu. NNE	7	Ci.-S.	Cu. SW
12..	SSW	Calm	Calm	ENE	Calm	Calm	20.6	24.4	25.9	23.1	94	1	Ci.	Cu. NNW	4	Ci.-S. S	Cu. ENE
13..	Calm	Calm	swbys	NbyW	Calm	WSW	20.1	27.6	18.3	20.7	86.7	10	Ci.-S.	S.-Cu. NNE	10	Ci.-S.	Fr.-S. ENE
14..	SW	Calm	NW	Calm	Calm	SSW	18.7	30.8	17.4	22.2	89.1	2	Ci.	Cu. NNE	5	Ci.-S. E	Cu. SSW
15..	Calm	Calm	WNW	NW	Calm	SSW	11.3	35.6	41.3	23.5	111.7	4	Ci.	Cu. NNW	2	Ci.-s. sbyw	Cu.
16..	SSW	SW	NNW	NW	SbyW	Calm	26.2	39.4	49.1	15.6	130.3	8	Ci.-S.	S.-Cu. N	5	Ci. E	Cu. W
17..	Calm	Calm	WSW	WNW	Calm	Calm	18.5	39.7	39.2	12.6	110	7	Ci.-S. E	Cu.-N. NW	10	Ci.-S. E	Cu. W
18..	SW	Calm	Calm	Calm	Calm	Calm	27.2	20.1	24.1	17.9	89.3	6	A.-Cu. E	Cu. NNE	10	A.-S.	N. WNW
19..	Calm	NNW	Calm	NNW	NE	Calm	43.7	21.2	27.9	31.1	123.9	10	A.-S. ESE	Fr.-N. NE	10	Ci.-S.	Cu. NNW
20..	Calm	SW	Calm	NNW	NNW	Calm	20.9	17.5	51.8	16.6	106.8	10	....	N. NE	9	Ci.-S. WNW	Cu. W
21..	Calm	Calm	NW	WbyN	W	WSW	14.2	34.9	50.9	27.2	127.2	9	Ci.-S.	Cu. NW	7	Ci.-S.	Fr.-Cu. SW
22..	Calm	Calm	W	W	Calm	W	33	20.1	60.2	20.9	134.2	10	Ci.-S.	Cu. WSW	9	Ci.-S.	Cu. WSW
23..	Calm	Calm	Calm	W	WSW	Calm	10.3	21.9	44.1	30.8	107.1	9	A.-S.	Cu. W	8	Ci.-S.	Cu. WSW
24..	WSW	Calm	Calm	W	W	Calm	35.1	22	48.9	23.8	129.8	10	Ci.-S.	S.-Cu. W	9	Ci.-S.	Cu. WSW
25..	Calm	Calm	W	WSW	WSW	WSW	16.1	44.6	79.1	62.5	202.3	10	Ci.-S.	Cu.-N. W	9	Ci.-S.	Fr.-Cu. WSW
26..	WSW	WSW	WbyS	WSW	WSW	WSW	62.6	111	100	122.9	396.5	10	Ci.-S.	Fr.-S. W	10	A.-S. NW	Fr.-N. W
27..	WSW	WSW	SW	WSW	SW	SW	93.1	110.4	107	92.2	402.7	10	A.-S.	S.-Cu. wbys	10	....	N. W
28..	WSW	WbyS	SW	WSW	SW	SW	92.5	97.2	103.5	101.9	395.1	10	A.-S. WNW	Fr.-N. W	10	A.-S.	Cu.-N. W
29..	SW	SW	swbyw	SW	SW	SW	63.9	88.5	96.6	78.3	326.3	9	A.-Cu.	Fr.-S. SSW	8	A.-Cu. WSW	Cu.
30..	SW	SW	SW	swbyw	SW	WSW	62	96.4	120.1	74	352.5	8	A.-S. W	Cu.	8	Ci.-S. ENE	Fr.-Cu. WNW
31..	WSW	SW	WSW	SW	SW	SW	48.6	62.5	91.2	67	269.3	2	A.-Cu. ENE	Cu. NNW	9	Ci.-S.	Cu. NW
Mean	......	......	......	......	......	......	32.9	40.6	53.7	38.1	165.4	7.8	....	....	7.5	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	5,126.1	....	....	....	....	....	....

SURIGAO

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, −1.86 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a.m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	56.45	56.21	56.32	54.89	55.78	57.20	56.14	28	28.7	32	31.6	30.1	28.5	29.8	33.4	27.9	59	56	49	50	58	63	55.8	....
2..	56.49	56.55	57.63	55.99	56	57.20	56.64	28	28.5	30.2	29.3	29.1	27.9	28.8	30.4	27.7	63	62	60	61	62	70	63	....
3..	56.27	56.57	56.73	54.94	56.37	57.31	56.36	27.9	27.2	29.4	30.6	27.4	27.5	28.3	31.1	27.1	69	76	62	57	78	76	69.7	....
4..	55.67	56.25	56.88	55.50	55.99	57.56	56.31	27.6	28.2	30.6	30.9	29	28.4	29.1	31	27.2	70	68	58	59	67	69	65.2	....
5..	56.47	56.96	57.61	56.25	57.16	57.54	57	27.6	27.5	30	30.8	29	28.2	28.8	31.3	26.8	73	73	62	66	75	75	70.7	....
6..	56.60	57.70	57.75	55.69	56.31	57.55	56.93	26.7	27.5	31.3	31.1	28.7	28.8	29	32	25.9	80	76	58	53	79	67	68.8	....
7..	55.88	55.57	55.56	53.72	54.82	56.47	55.34	28.9	28.6	32.9	33.4	29.6	29.2	30.4	34	28.4	61	60	50	51	74	70	61	....
8..	54.75	54.30	55.14	54.14	54.40	55.61	54.72	28.9	28.8	32.4	31.9	29.7	29.2	30.2	33.3	28.1	62	61	55	64	71	70	63.8	....
9..	54.86	54.59	55.43	54.29	55.02	56.51	55.12	28.7	29	32.3	32.3	29.6	29	30.2	33	27.4	63	61	53	52	70	70	61.5	....
10..	54.44	55.38	55.60	54.52	55.26	56.29	55.25	29.1	28.8	31.9	30.9	29	27.7	29.6	32.9	25.1	66	67	55	61	74	70	65.5	0.3
11..	55.11	55.56	55.80	53.81	54.80	56.11	55.20	28.6	28.7	30.9	31.9	29.5	29.1	29.8	32.2	28.1	66	66	54	55	68	67	62.7	....
12..	55.08	55.24	55.92	54.56	55.47	57.27	55.59	29.2	29.5	32.9	32.9	29.8	28.8	30.5	34.1	28	59	58	50	53	72	72	60.7	....
13..	56.41	56.94	56.89	55.75	56.59	58.55	56.86	28.4	26.6	34	31.4	29.4	28.5	29.7	35	26.4	70	80	41	63	70	73	66.2	....
14..	58.16	58.20	58.75	56.91	57.68	58.97	58.11	26.6	25.3	31.8	31.6	29	28.3	28.8	32.4	25	77	84	54	58	75	75	70.5	....
15..	57.95	58.47	58.49	57.21	57.62	59.35	58.18	28	27.6	32.9	33.5	31.4	28.6	30.3	34.1	27.5	76	76	50	45	49	66	60.3	....
16..	57.94	58.81	59.62	58.10	58.62	59.55	58.77	28.2	27.8	31.9	33.3	29.7	28.6	29.9	33.5	27.7	72	82	61	44	58	68	64.2	....
17..	58.53	58.34	58.69	57.37	57.71	58.82	58.24	25.7	27.6	30.7	32	28.9	28.3	28.9	32.2	25.1	86	83	67	63	71	74	74	....
18..	57.51	57.56	57.33	55.50	56.09	57.59	56.93	27.4	28	29.7	30.6	28.4	26.6	28.4	31	25.2	80	82	73	66	72	83	76	7.9
19..	55.51	55.59	57.05	55.61	55.79	57.07	56.10	27.4	27.4	28.4	29	27.4	27.7	27.9	29	27.2	76	77	70	68	73	72	72.7	.3
20..	55.76	56.98	57.63	56.02	57.28	59.50	57.20	27.9	25.6	29.9	32.4	28.6	26.7	28.5	33.1	25.5	69	75	65	51	74	82	69.3	.5
21..	59.18	58.97	59.10	57.47	57.68	59.18	58.60	25.3	24.6	29.9	31.6	29.4	26	27.8	31.8	24.4	89	92	67	65	68	84	77.5	....
22..	58.16	58.66	58.91	57.26	57.19	58.73	58.15	24.3	24.2	29.8	31.8	30	27.8	28	32.2	23.6	93	94	75	61	62	73	76.3	21.1
23..	57.04	57.53	57.74	56.49	56.46	57.96	57.20	27.7	26.6	29.7	31	29	28.4	28.7	31.3	26.2	76	86	70	59	68	70	71.5	....
24..	56.82	56.75	57.30	55.69	56.65	58.41	56.94	28	27.9	30.9	32	29.2	28.4	29.4	32.7	27.5	71	71	60	52	61	64	63.2	....
25..	57.05	57.20	57.58	56.13	56.65	58.84	57.24	26.8	24.9	31.8	32.9	29.8	24.8	28.5	34.2	24.5	73	85	55	50	56	87	67.7	....
26..	58.57	58.43	58.94	57.87	58.25	59.69	58.62	24.1	23.4	30.7	30.8	29.4	25.4	27.3	31.4	23.3	89	92	72	66	68	82	78.2	....
27..	58.95	59.26	59.10	57.39	57.89	59.10	58.62	24.6	24.1	30.4	30.7	28	26.4	27.4	31.4	24	83	87	67	62	77	76	75.3	....
28..	57.65	56.94	57.09	56.13	55.82	58.11	56.96	24.7	24.4	29.8	29.4	27	24	26.6	31.3	23.5	87	88	69	68	80	93	80.8	46.8
29..	55.80	55.41	56.12	55.02	56.10	57.32	55.96	26.8	27.3	27.8	28.6	28.4	28.2	27.8	29.4	25.9	80	81	72	69	69	70	73.5	....
30..	56.44	57.82	57.75	56.65	57.15	59.06	57.48	28	25.1	30.2	30	28	26.2	27.9	31.5	23.9	69	83	64	71	74	84	74.2	6.4
31..	57.18	57.96	58.68	56.03	56.90	59.06	57.64	25	24.1	29.8	33.2	28	25.4	27.6	33.6	24	87	91	63	46	74	90	75.2	....
Mean	56.73	56.99	57.39	55.90	56.50	57.98	56.92	27.2	26.9	30.9	31.4	29	27.6	28.8	32.3	26.1	74	76.5	60.7	58.4	69.3	74.4	68.9	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	83.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	WSW	SW	WSW	SW	WSW	WSW	47	78.7	118.6	37	281.3	10	A.-Cu. E	....	7	A.-Cu. E	S.
2..	SW	SW	swbyw	WSW	SW	SW	34.3	56	67.6	68.9	226.8	10	A.-Cu.	S.-Cu. wsw	10	A.-S.	Fr.-S. W
3..	SW	WSW	WSW	WSW	SW	SW	82.1	81	108.4	106.2	377.7	9	A.-Cu.	Cu. W	10	A.-S. WNW	S.-Cu. wsw
4..	WSW	WSW	WSW	WSW	WSW	WSW	86.6	95.6	79.1	85	346.3	10	A.-S.	Cu. WbyS	9	Ci.-S. W	S.-Cu. W
5..	SW	SW	WSW	WSW	WSW	WSW	48.3	38	48	40.8	175.1	10	A.-Cu. WSW	S.	10	Ci.-S. NE	Cu. WNW
6..	Calm	WSW	SSW	SW	W	WSW	25.5	67.8	74.6	71.3	239.2	7	A.-Cu. W	Cu. WSW	10	Ci.-S.	Cu. WSW
7..	WSW	SSW	swbyw	W	WSW	WSW	69.7	102	104.6	62.5	338.8	2	A.-Cu.	Fr.-Cu. SW	2	Ci.	Fr.-Cu. SSW
8..	SSW	SSW	swbys	WSW	WSW	WSW	84.8	90.7	116.4	63.1	355	4	Ci.	Cu. SW	2	....	Cu. SW
9..	SW	SW	SW	WSW	WSW	SW	91.7	113.3	132.3	73	410.3	3	Ci.	Cu. SW	3	Ci.	Fr.-Cu. sw
10..	SW	swbyw	SW	WSW	WSW	WSW	97.2	115.9	117.7	111.6	442.4	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	Fr.-Cu. WSW
11..	SW	SW	swbyw	SSW	WSW	SSW	115.3	125.5	97.7	78.4	416.9	10	Ci.-S.	Fr.-S. wsw	10	Ci.-S.	Fr.-S. SW
12..	SW	SW	SSW	W	WSW	SSW	100.9	112	77.4	36.4	326.7	10	Ci.-S.	Fr.-S. SSW	10	Ci.-S.	Fr.-Cu. SSW
13..	S	Calm	SSW	WNW	W	WSW	37.3	64.6	81.6	63.9	247.4	10	A.-S.	Cu. NW	6	Ci.	Cu.
14..	Calm	Calm	WSW	WSW	WSW	WSW	20.4	49.4	84	38.9	192.7	10	Ci.-S.	Fr.-S. SSW	5	Ci.	Cu. SW
15..	WSW	WSW	SSW	SSW	W	W	42	48.5	68.9	25.5	184.9	10	A.-Cu.	Fr.-S. NW	1	Ci.-Cu.	Fr.-Cu. S
16..	W	W	W	SW	WSW	Calm	58.1	61.5	76.2	29.2	225	10	A.-Cu.	S.-Cu. wsw	3	A.-Cu. ENE	....
17..	Calm	WSW	WbyS	WSW	WSW	WSW	31.6	103.3	90.4	74.2	299.5	6	Ci.-S.	Cu. W	6	Ci.-S.	Fr.-Cu. W
18..	WSW	WbyS	WbyS	WSW	WSW	WSW	82.7	115.9	124.7	132.2	455.5	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	Cu. WSW
19..	WSW	WSW	SW	SW	SW	SW	159.1	161.1	170.1	142.7	633	10	....	S.-Cu. W	10	Ci.-S.	Fr.-S. wbys
20..	SSW	SSW	swbyw	swbyw	WbyS	Calm	90.1	83.1	116.5	19.1	308.8	10	Ci.-S. W	S.-Cu. SW	4	A.-Cu.	Cu. SSW
21..	SSE	Calm	WNW	NWbyW	W	Calm	19	32	41.6	18	110.6	4	Ci.	S.	4	Ci.	Cu. S
22..	SSW	SSW	NWbyW	W	WSW	WSW	23.6	38.4	63	38.9	163.9	2	....	Cu. SSW	2	....	Cu. WSW
23..	W	W	W	WSW	WSW	WSW	62.8	93.3	96.9	76.6	329.6	10	Ci.-S.	S.-Cu. WNW	8	Ci.-S.	Cu. W
24..	WSW	WSW	WSW	SW	SW	SW	92.7	88.5	72.4	60	313.6	9	Ci.-S.	Fr.-S. wbyN	9	Ci.-S. NE	Cu. W
25..	SSW	Calm	W	WSW	S	Calm	35.6	52.1	62.3	20.1	170.1	9	Ci.-S.	Fr.-S. SW	4	Ci.-Cu.	Cu.
26..	SSW	Calm	ENE	NwbyN	Calm	WSW	19.1	50.7	31.9	17.2	118.9	6	Ci.	Cu. NW	4	Ci.-S.	Cu.-N. S
27..	Calm	WSW	WSW	WSW	WSW	W	26.4	71.6	74.6	65.5	238.1	7	Ci.-S.	Cu.-N. WSW	8	Ci.-S.	Fr.-Cu. WSW
28..	WSW	Calm	W	WSW	WSW	WSW	33.8	84.7	84.8	74.3	277.6	10	Ci.-S.	Cu. WNW	10	Ci.-S.	Cu. W
29..	WSW	WSW	WbyS	WbyS	WSW	SW	119.7	109.2	123.7	98.4	451	10	A.-S.	Fr.-N. wsw	10	A.-S. WNW	S.-Cu. W
30..	SW	W	SW	SSW	SW	WSW	68.1	87.2	70.5	85.6	311.4	10	....	N. W	10	Ci.-S.	S.-Cu. wsw
31..	Calm	Calm	WSW	SW	Calm	Calm	19.6	45.1	48.6	21.2	134.5	10	Ci.-S.	Cu. WNW	7	Ci.-S.	Cu. W
Mean	.....	.....	.....	.....	.....	.....	62.1	81.2	87.9	62.4	293.6	8.3	.....	.....	6.9	.....	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9,102.6	....	.....	.....	.....	.....	.....

SURIGAO

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.53	57.82	57.44	56.17	57.31	59.45	57.62	25	25	29.4	32.1	29	26	27.8	32.7	24.9	91	92	75	59	72	87	79.3	....
2..	58.22	58.82	59.54	57.81	58.48	60.10	58.83	24.4	24.2	30.7	30.4	28.6	25.6	27.3	31.5	24.1	91	92	70	68	78	86	80.8	....
3..	59.10	59.56	60.30	57.90	58.55	60.19	59.27	24.5	24	30	30.9	29.4	26.1	27.5	31.3	23.9	91	92	70	67	69	85	79	....
4..	59.40	59.72	59.76	57.81	58.43	59.81	59.16	24.6	23.8	29.1	30.5	28.6	26.6	27.2	31.3	23.7	92	94	75	72	78	86	82.8	....
5..	58.50	58.66	58.73	56.75	57.87	59.54	58.34	26.5	25.1	29.6	29.5	23.9	23.4	26.3	31.5	23.4	86	94	71	71	90	94	84.3	16.3
6..	58.13	57.79	58.71	56.23	56.62	58.23	57.62	23.1	23.3	27.5	27.4	25.8	24.7	25.3	28.5	23.1	96	97	78	80	86	94	88.5	3.6
7..	56.73	56.73	58.04	56.13	56.81	57.78	57.04	24.3	24.5	25.6	27.1	26.1	24.9	25.4	28.1	24.2	96	95	94	80	83	87	89.2	58.2
8..	56.51	57.75	58.62	56.44	57.06	58.76	57.52	24	22.5	25.6	26.9	25.1	24	24.7	27.2	22.3	93	96	87	80	91	95	90.3	27.2
9..	57.52	57.94	58.71	56.71	57.08	58.50	57.74	23.5	23.8	26.3	27.6	27	25.7	25.6	27.9	23.3	94	93	79	76	77	84	83.8	4.6
10..	56.53	57.38	58.15	55.47	56.41	56.59	56.76	26	24.3	25	27.1	25	25.2	25.4	27.1	24.2	83	91	92	83	91	89	88.2	41.8
11..	55.46	55.23	56.04	54.87	54.38	55.73	55.28	25	25.2	25.4	25.3	25.5	25.2	25.3	26.3	24	87	83	88	84	88	86	86	35.8
12..	54.33	54.90	55.49	54.31	54.96	55.48	54.91	25.5	25	25.1	25.4	25.9	26.6	25.6	27.5	23.6	81	84	87	82	74	74	80.3	40.9
13..	55.47	55.44	56.40	55.11	56.42	57.58	56.07	25.2	26.5	28.3	28.1	27.7	27	27.1	29.6	25	83	76	71	72	76	80	76.3	.8
14..	57.06	57.23	57.75	56.27	56.66	58.86	57.30	27.1	27.1	30	31.3	27.6	26.8	28.3	31.4	26.5	78	76	71	56	72	80	72.2	.3
15..	57.62	57.67	57.95	56.38	57.17	58.98	57.63	26.7	26.5	28.4	30.8	27.6	26.1	27.7	30.8	24.9	82	84	76	65	79	85	78.5	....
16..	57.53	58.08	58.65	56.87	57.89	59.69	58.12	24.3	24.5	29.2	30.9	27.9	25.4	27	31.5	24.2	91	92	68	61	79	88	79.8	79.4
17..	58.53	59.65	59.90	58.07	59.35	60.31	59.30	25.4	23.5	28.3	29.2	27.3	24.7	26.4	29.5	23.1	82	88	72	68	78	93	80.2	.5
18..	59.74	60.27	60.15	58.47	59.48	60.51	59.77	24.4	24.5	27.7	29.2	27.7	25.3	26.5	29.5	23.8	97	96	82	74	83	90	87	....
19..	59.27	60.01	60.14	57.86	58.62	60.14	59.34	24.4	24.5	29.6	29.3	27.5	25.9	26.9	30.7	24.3	92	93	71	74	83	89	83.7	1.5
20..	58.57	59.24	59.39	57.44	58.03	59.89	58.76	24.6	24.4	29.6	28.6	28.3	25.8	26.9	30.3	24.4	93	95	77	84	80	90	86.5	....
21..	58.85	59.40	60.19	57.46	58.11	60.04	59.01	25	24.5	27.6	29.9	28.2	26	26.9	30.4	24.2	93	96	84	75	82	90	86.7	20.3
22..	58.98	59.25	60.15	57.84	58.20	59.54	58.99	24.8	25	27.3	28.5	28	26.2	26.6	30.5	24.6	95	95	86	81	81	89	87.8	15
23..	58.13	58.82	59.37	57.54	58.42	59.69	58.66	25.7	25.5	27.8	29.4	28	27	27.2	29.7	24.8	92	93	83	71	80	81	83.3	16
24..	58.15	58.77	59.31	57.78	58.31	59.52	58.64	24.3	24	28	26.1	25.7	24.8	25.5	29.4	24	93	96	85	91	93	93	91.8	11.3
25..	58.06	58.53	59.47	57.62	58.25	59.57	58.58	24.4	24	26.4	28	27.6	26.3	26.1	29.5	23.8	95	97	93	88	86	90	91.5	6.8
26..	58.58	59.16	59.68	57.69	58.30	59.75	58.86	25.2	24.5	29.6	30.5	28.2	25.2	27.2	31.2	24.3	93	97	75	72	80	92	84.8	10.4
27..	58.36	58.58	59.66	57.64	58.16	59.76	58.69	24	23.4	28.1	29.4	28	25.6	26.4	30.6	23.2	94	97	82	78	80	90	86.8	....
28..	58.14	58.73	59.26	57.45	58.17	59.56	58.55	24.1	23.5	29.6	26.4	27.5	25.1	26	30.4	23.2	92	95	78	87	82	92	87.7	2.6
29..	58.66	58.88	59.29	57.14	58.31	59.41	58.62	24.2	24.3	28.7	28	27.2	25.3	26.3	29.8	24	97	96	79	81	86	91	88.3	4.3
30..	58.37	58.92	59.27	56.66	57.89	58.52	58.27	25.4	24	28.5	29.5	27.4	25.1	26.6	29.8	24	88	97	78	77	86	91	86.2	1
Mean	57.87	58.30	58.85	56.93	57.66	59.05	58.11	24.9	24.5	28.1	28.8	27.2	25.6	26.5	29.8	24	90.4	92.1	79.2	75.2	81.4	88	84.4	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	398.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	ENE	W	Calm	Calm	23.3	35.6	48	15	121.9	10	A.-Cu.	Fr.-S. S	6	Ci.-S.	Cu. SSW
2..	Calm	SSW	ENE	N	Calm	Calm	17.4	36.2	31.6	15	100.2	8	Ci.-S.	Cu. SSE	6	Ci.-S.	Cu. S
3..	Calm	SSW	NNW	NNW	ENE	Calm	23.1	25.9	34.3	36	119.3	6	Ci.	Cu. WSW	1	Ci.-Cu.	Cu. SW
4..	Calm	SSW	Calm	N	Calm	Calm	14.5	17.9	34.1	27.4	93.9	7	Ci.-S.	Cu. N	6	Ci.-S.	Cu. ENE
5..	Calm	WSW	W	WbyN	WbyS	Calm	19.3	40.5	49.9	28.7	138.4	10	Ci.-S.	N. NNW	10	A.-S.	Cu.-N. WNW
6..	WbyS	SW	WbyS	W	Calm	Calm	21.4	31.1	51.3	24.4	128.2	10	Ci.-S. N	N. NW	10	A.-S.	Cu. WNW
7..	Calm	WSW	WSW	WSW	WSW	Calm	21.9	46.1	72.6	24.9	165.5	10	....	N. NW	10	A.-S.	Cu. WNW
8..	WSW	SW	WSW	W	WbyS	Calm	45.7	37.6	70.6	39.1	193	10	....	N. W	10	Ci.-S. WNW	Cu. W
9..	WSW	Calm	W	WSW	WSW	WSW	41.5	59.7	88.3	64.7	254.2	10	A.-S.	Fr.-N. W	10	Ci.-S.	Cu.-N. W
10..	WSW	WSW	WSW	W	WbyS	WSW	59.7	46.4	51.7	57.7	215.5	10	Ci.-S. WNW	N. W	10	....	N. WNW
11..	WSW	W	WbyS	W	WNW	WbyS	52.8	107.6	100.4	129.3	390.1	10	Ci.-S. NW	S.-Cu. W	10	A.-S.	Fr.-N. W
12..	WbyS	WbyS	WSW	WSW	WSW	SW	161.9	158.2	160.1	135.8	616	10	....	N. W	10	....	N. W
13..	WSW	SW	SW	SW	WSW	WSW	109.9	120.4	114.9	61.7	406.9	10	A.-S. N	S.-Cu. WSW	10	A.-S.	S.-Cu. WSW
14..	SW	SW	W	SW	WSW	WSW	51.3	75.3	88.2	45.7	260.5	10	Ci.-S.	Cu. W	6	Ci.-S.	Fr.-Cu. WSW
15..	SW	WSW	W	SW	WSW	Calm	33.3	43.7	60.2	12.7	149.9	10	Ci.-S.	Cu. W	8	Ci.-S.	Cu. WSW
16..	Calm	Calm	W	WNW	Calm	Calm	13.9	34.1	40	11	99	9	A.-S. SE	Cu. NNW	7	Ci.-S.	Cu. WSW
17..	Calm	Calm	WbyN	W	Calm	Calm	28	29.3	42.3	13.4	113	10	Ci.-S.	Fr.-N. NW	6	Ci.-S.	Cu. WSW
18..	W	Calm	Calm	NNW	NNW	NNW	33	24.6	31.1	25.7	114.4	8	A.-Cu.	Cu. NNW	4	Ci.-S.	Cu. SW
19..	Calm	Calm	Calm	N	ENE	Calm	23.3	25.4	36.4	28.7	113.8	8	A.-Cu.	S.-Cu. NNE	2	Ci.	Cu. S
20..	Calm	Calm	ENE	NNW	ENE	Calm	13.4	34.1	60.4	32.4	140.3	4	....	S. NE	7	Ci.-S.	Cu. E
21..	Calm	SW	Calm	NbyW	ENE	Calm	20.1	29	57.7	39.4	146.2	7	....	Cu.-N. E	4	....	Cu. E
22..	Calm	Calm	ENE	ENE	ENE	Calm	13.4	43.5	86.9	59.7	203.5	7	....	Cu. E	7	....	N. E
23..	Calm	Calm	Calm	ENE	ENE	EbyN	30.8	34.1	104.8	63.8	233.5	8	Ci.-S.	N. E	4	Ci.	Fr.-Cu. E
24..	Calm	ESE	ENE	EbyN	Calm	Calm	23.8	34.8	61.7	14.3	134.6	10	A.-S.	Fr.-N. E	10	Ci.-S.	S.-Cu. E
25..	Calm	SW	Calm	Calm	ENE	EbyN	18.3	19.9	42	42	122.2	3	A.-S. ESE	Cu. NNE	10	A.-S.	Cu. NE
26..	Calm	Calm	ENE	ENE	ENE	Calm	15.5	42	81.8	30	169.3	6	Ci.	Cu. ESE	7	Ci.	Cu. NE
27..	Calm	Calm	NNW	NNW	ENE	Calm	24.3	44.5	37	31.6	137.4	4	Ci.	Cu. NE	6	Ci.-S. S	Cu. E
28..	SSW	Calm	Calm	SE	Calm	Calm	20.1	21.4	46.9	19	107.4	4	Ci.	Cu. SE	9	....	N. E
29..	Calm	Calm	ENE	SSW	SE	Calm	22	27.4	46.7	18.5	114.6	9	....	S.-Cu. E	6	Ci.-S. SSW	Cu. E
30..	SE	SSW	NbyW	NNW	Calm	Calm	24.1	30.4	50.1	18.8	123.4	8	Ci.-S.	S. E	6	Ci.-S. NE	Cu.
Mean	......	......	......	......	......	......	34	45.2	62.7	38.9	180.9	8.2	....	....	7.3	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	5,426.1	....	....	....	....	....	....

SURIGAO

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.66	58.31	58.75	56.46	57.57	58.32	57.84	24.5	24.4	29	29.7	27.3	26.9	27	30.2	24.2	94	97	81	72	79	79	83.7	3.8
2..	56.95	57.57	57.92	55.55	56.42	58.29	57.12	26.3	24.7	28.4	29.7	27.5	26	27.1	30.4	24.5	82	92	78	67	79	84	80.3	......
3..	57.20	57.81	57.95	56.53	57.06	58.37	57.49	25.5	24.8	29.9	30	27.5	27.3	27.5	31.4	24.7	87	90	67	71	81	81	79.5	3.8
4..	57.10	57.91	58.40	56.91	57.71	59.01	57.84	26.3	27	29.8	30.4	27.5	27.3	28	31.1	25.8	83	83	71	66	80	81	77.3	......
5..	57.42	58.31	58.45	56.06	57.54	58.69	57.74	26.5	25.4	30.6	30	27.8	26.4	27.8	31.2	25	84	90	65	65	80	86	78.3	......
6..	57.37	57.77	58.55	56.60	57.84	58.90	57.84	25.2	25.6	29.3	29.2	26.9	25.2	26.9	30.4	24.6	90	91	76	74	88	89	84.7	24.7
7..	57.97	58.58	59.04	56.78	57.84	59.32	58.26	24.3	24	29.4	29.5	27	25.1	26.6	30.4	23.9	94	96	69	68	81	90	83	2.3
8..	57.99	57.86	58.72	56.48	57.21	58.57	57.80	25	26	29.6	29	27	26.6	27.2	31.3	24.6	86	80	70	68	82	81	77.8	.8
9..	57.81	57.83	58.59	56.67	57.52	59.70	58.02	25.3	24.4	30.4	31	27.9	25.2	27.4	31.9	24.3	91	95	56	59	77	88	77.7	2.3
10..	57.56	58.32	59.46	57	57.99	59.36	58.28	23.7	23.6	27.5	30.1	27.2	24.8	26.2	30.8	23.3	94	95	84	62	78	90	83.8	......
11..	57.62	58.96	60.21	58.25	58.99	59.81	58.97	24.3	24.2	26.8	27.2	25.6	24.5	25.4	27.3	24	91	92	89	87	94	94	91.2	1.3
12..	58.63	59.85	60.52	58.67	58.62	59.75	59.34	23.6	23.5	28.9	28.9	24.4	25.4	25.8	29.9	23.4	96	96	74	78	88	84	86	60.9
13..	57.68	58.27	58.53	56.58	56.31	55.45	57.14	27.2	25.1	26.2	25.1	25.8	24.3	25.6	27.8	23.2	83	91	90	94	86	93	89.5	320.6
14..	52.91	51.75	54.49	54.39	55.84	57.17	54.42	25.6	24.2	24.9	25.8	24	23.3	24.6	26.8	23.2	86	96	94	92	92	94	92.3	18.6
15..	56.30	56.61	57.35	55.59	56.54	58.12	56.75	23.4	22.9	29.5	30.3	27.5	27.1	26.8	30.7	22.9	92	96	66	64	76	76	78.3	......
16..	57.58	58.16	58.54	56.63	57.44	59.23	57.93	25.4	25.3	30.1	30.8	28.1	25.1	27.5	31.2	24.7	85	86	62	64	74	87	76.3	......
17..	57.90	58.86	58.90	56.89	57.74	58.64	58.16	25	23.9	29.8	30.1	27.8	25.2	27	30.7	23.8	87	95	75	74	85	91	84.5	......
18..	57.60	57.76	58.50	56.03	56.99	58.17	57.51	26.7	24.9	29.2	30.8	27.8	25.4	27.5	31.3	24.9	82	92	78	64	76	92	80.7	8.4
19..	56.92	57.86	58.15	55.78	56.94	57.80	57.24	25.3	25.1	29.5	30.5	27.9	26.9	27.5	30.7	24.9	94	95	77	68	79	84	82.8	18.5
20..	57.29	58.12	59.29	57.01	58.50	59.35	58.26	25.2	25.4	25.1	28.5	25.6	25.5	25.9	28.7	24.6	93	89	92	74	88	89	87.5	2.6
21..	57.91	59.08	59.75	57.70	58.74	59.96	58.86	24.4	24.6	28.9	29	27.8	24.7	26.6	29.4	23.6	95	93	76	77	73	92	84.3	1
22..	58.77	59.35	59.63	57.81	58.67	59.91	59.02	23.7	23.8	29	29.9	27.9	25.4	26.6	31.4	23.3	96	95	77	76	79	91	85.7	......
23..	58.50	59.29	59.99	58	58.91	60.21	59.15	24.2	23.9	29.6	29	27.4	25.5	26.6	30.8	23.7	95	97	74	78	82	87	85.5	......
24..	58.86	59.29	59.84	57.57	58.93	60.08	59.10	24.5	23.9	30.4	31.1	27.8	25.7	27.2	31.3	23.6	92	96	68	69	81	88	82.3	......
25..	58.58	59.56	60.13	57.89	59.19	60.44	59.30	24.5	23.7	29.2	28	27.4	25.3	26.4	31.1	23.5	92	95	73	82	84	92	86.3	.3
26..	59.46	60.27	60.49	58.19	59.17	59.91	59.58	24.4	24.1	29.1	29.3	26	24.7	26.3	30.4	23.9	95	96	80	79	89	90	88.2	......
27..	59.03	59.96	60.70	58.29	59.18	60.49	59.61	23.9	23.4	29	29.6	28	25.5	26.6	29.8	23	92	95	81	77	77	88	85	......
28..	58.85	59.27	60.28	57.71	58.17	59.37	58.94	24.5	24.3	23.6	27.4	27.1	26.7	25.6	28.1	23.6	95	97	96	85	86	85	90.7	26.7
29..	58.13	58.88	58.86	56.98	57.91	59.42	58.36	24.8	24.4	29.1	26.6	25.5	25.4	26	30.4	24.2	94	96	80	90	94	92	91	23.8
30..	57.87	58.44	60.06	57.11	57.94	59.01	58.40	25.3	24.1	23.2	26	25.3	23.7	24.6	26.5	22.6	91	97	97	89	88	91	92.2	18.3
31..	57.94	59.03	59.62	57.49	58.26	59.46	58.63	23.4	22.8	28.2	29.2	27.6	26.1	26.2	29.9	22.6	92	95	82	80	83	86	86.3	.3
Mean	57.72	58.35	59.02	56.95	57.86	59.04	58.16	24.9	24.4	28.5	29.1	27	25.6	26.6	30.1	23.9	90.4	93.2	77.4	74.6	82.5	87.6	84.3	......
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	539

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NNW	Calm	NNW	WNW	WSW	WSW	22.3	38.1	57.4	52.9	170.7	8	A.-Cu.	S.-Cu. NNW	5	Ci.-S.	Cu. WNW
2..	WSW	WSW	WNW	W	WSW	WSW	52.1	67.4	73.8	41.6	234.9	9	Ci.-S.	Cu.-N. W	6	Ci.-S.	Cu. W
3..	WSW	SW	WSW	WNW	WSW	WSW	37.5	59.3	62	34.3	193.1	10	Ci.-S.	Cu. WSW	9	Ci.-S.	Cu. WNW
4..	WSW	WbyS	WSW	WSW	Calm	WSW	52.9	89.5	68.6	32.2	243.2	8	Ci.-S.	Cu. W	6	Ci.-S.	Cu. W
5..	WSW	Calm	WSW	W	WSW	Calm	26.2	51.8	66.8	23	167.8	10	Ci.-S.	S.-Cu. WSW	8	Ci.-S. SE	Cu. W
6..	Calm	Calm	W	W	W	SW	22	65	70.2	23.3	180.5	9	Ci.-S.	Cu.-N. WNW	8	Ci.-S.	Cu. W
7..	SW	Calm	WSW	WbyS	W	WSW	31.6	70.5	69	48.3	219.4	10	....	N. W	8	Ci.-S.	Cu. W
8..	WSW	SW	W	W	WSW	Calm	61.5	60.2	64.1	26	211.8	9	Ci.-S.	S.-Cu. W	5	....	Cu. W
9..	Calm	Calm	SW	SW	WSW	Calm	20.9	44.3	53.6	29.6	148.4	9	A.-Cu. W	Cu. W	9	A.-Cu. NW	Fr.-S. WSW
10..	SSE	Calm	ENE	WSW	Calm	Calm	21.9	23.5	38.8	18	102.2	10	A.-S.	....	8	A.-Cu.	Cu. SSW
11..	Calm	SSW	Calm	Calm	Calm	Calm	20.3	17.4	8.3	23.8	69.8	10	A.-S.	Cu. SW	10	A.-S. WSW	....
12..	SW	WSW	NW	NbyW	WNW	W	29	30.1	42.9	42	144	10	Ci.-S.	S.-Cu. NE	9	Ci.-S.	Cu. NbyW
13..	NNW	NbyW	N	NW	NNW	NNW	81.8	99.2	108.3	142.9	432.2	10	....	N. N	10	....	N. N
14..	NNW	SSW	swbys	Calm	S	Calm	98	110.2	40.4	26.4	275	10	A.-S. NE	N. WSW	10	A.-S.	N. SW
15..	Calm	Calm	WSW	WNW	WSW	WSW	22.5	42.1	64.6	45.4	174.6	4	Ci.	Cu. NW	4	Ci.	Cu. WSW
16..	Calm	Calm	WSW	WNW	WSW	WSW	16.9	49.6	57.6	19.1	143.2	4	A.-Cu.	Cu. SW	1	Ci.	Cu. SW
17..	Calm	Calm	W	WNW	Calm	swbyw	19	37.8	49.3	21.7	127.8	3	Ci.	Cu. SW	1	Ci.-Cu.	Cu. W
18..	WSW	Calm	W	WSW	Calm	WSW	28	47.2	46.7	24.7	146.6	7	Ci.-S.	Cu. W	7	Ci.-S.	Cu. WSW
19..	W	Calm	WNW	WSW	W	Calm	33.8	57.9	58.9	18.3	168.9	8	Ci.-S.	Cu.-N. W	4	Ci.	Cu. W
20..	W	WbyS	NWbyW	W	NNW	W	44.3	66.3	82.1	26.9	219.6	10	....	N. WbyN	10	Ci.-S. SE	Fr.-Cu. W
21..	Calm	NNW	NNW	NNW	ENE	Calm	23.5	51.5	84	43.3	202.3	10	A.-S.	S.-Cu. NE	4	....	Cu. NE
22..	ENE	SSW	Calm	NNW	ENE	Calm	25.5	25.1	68.7	32.7	152	7	Ci.-S. E	Cu. E	6	....	Cu.-N. ENE
23..	Calm	Calm	EbyN	NNW	E	Calm	20.9	31.9	34.8	16.3	103.9	5	....	S. ESE	6	A.-Cu.	Cu. E
24..	Calm	SSW	ENE	EbyN	E	Calm	18.5	60	91.2	18.7	188.4	7	Ci.	Cu.	2	Ci.	Cu. NE
25..	Calm	Calm	ENE	SSW	Calm	Calm	20.6	50.9	44.5	16.7	132.7	2	Ci.	Cu. NE	7	Ci.-S.	Cu.-N. SSW
26..	Calm	Calm	Calm	NNW	Calm	SSW	16.6	22.2	30.3	22	91.1	7	A.-Cu.	S.	4	Ci.-S.	Cu. E
27..	Calm	Calm	NNW	NNW	ENE	Calm	16.6	36.8	43.7	42.8	139.9	1	Ci.	Cu.	1	....	Cu. W
28..	Calm	Calm	Calm	Calm	ENE	ENE	20.4	23.1	27.2	48.1	118.8	7	A.-S. E	S.-Cu. ENE	10	Ci.-S.	Cu. ENE
29..	Calm	Calm	ENE	EbyS	Calm	Calm	18.8	20.1	30.6	29.3	98.8	7	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	Cu.-N. ENE
30..	EbyS	Calm	SSE	ENE	ENE	Calm	17.7	61.5	36	22.5	137.7	5	A.-S.	Fr.-S. NE	10	A.-S.	S.-Cu. E
31..	SSW	SW	Calm	Calm	ENE	Calm	28	22.2	34.1	42.4	126.7	10	Ci.-S.	Cu. NE	6	Ci.-S.	Cu. ESE
Mean	......	......	......	......	......	......	31.3	49.4	55.1	34	169.9	7.6	....	....	6.6	....	....
Total	......	......	......	......	......	......	......	......	......	......	5,266	....	....	....	....	....	....

SURIGAO

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.47	59.33	59.86	57.68	58.56	60.03	58.99	24.5	24	29.5	29.7	27.8	25.8	26.9	30.8	23.9	93	97	80	75	83	84	85.3	1.8
2..	58.26	59.57	59.81	57.59	58.45	59.29	58.83	24.6	24.6	27.6	29	25.5	24.9	26	29.7	24	95	95	83	82	92	93	90	46
3..	58.26	58.59	58.85	57.01	57.60	58.82	58.19	25.6	25.9	26.9	28	27.8	27.5	27	29.5	24.7	93	93	88	85	85	85	88.2	18.3
4..	57.78	58.37	58.70	57.09	57.71	58.72	58.06	24.4	24.3	28.3	27.6	25.7	26.6	26.2	28.6	24	97	97	82	91	93	89	91.5	14.2
5..	57.17	58.03	58.87	56.78	57.80	58.59	57.87	26.1	25.3	27.9	26	25.4	24.7	25.9	28.8	24.4	91	96	86	92	92	93	91.7	16.1
6..	57.12	57.79	58.67	56.14	57.75	58.77	57.71	23.6	23.4	29.2	30.5	27.7	25.4	26.6	30.7	23.3	96	97	81	71	82	90	86.2	15.2
7..	58.13	58.65	59.70	57.57	58.62	59.67	58.72	24.4	24	27.3	28.1	25.9	24.3	25.7	28.7	23.6	95	97	84	84	84	93	89.5	31.2
8..	58.86	58.78	59.37	56.72	57.92	59.14	58.46	24.3	23.5	25	26.9	24.9	24.1	24.8	28.1	23.2	94	97	93	83	90	94	91.8	.5
9..	57.83	58.45	58.92	56.53	58.29	58.45	58.08	24.5	23.4	28.5	30.6	26.4	24.5	26.3	31	23.2	92	95	78	70	88	92	85.8	......
10..	57.13	57.89	58.78	56.16	56.90	57.67	57.42	23.6	23.6	23.4	28.9	26.5	25.6	25.3	29	23.3	96	95	97	71	86	88	88.8	63.8
11..	56.81	57.43	57.04	55.29	56.65	57.35	56.76	26.4	26	29.1	29.6	27.5	25.7	27.4	30.2	25.4	87	89	73	70	81	88	81.3	.3
12..	56.35	57.21	57.57	56.31	57.37	58.06	57.14	26.8	24.9	28.6	27.5	26	24.4	26.4	29.4	24.4	84	93	80	82	87	93	86.5	2.1
13..	56.66	57.75	58.22	56.61	57.04	58.42	57.45	24.3	24.5	28.9	29.1	26.8	25.4	26.5	29.4	24.1	94	96	75	76	84	91	86	3.6
14..	57.76	58.19	58.65	56.92	57.71	58.07	57.88	24.6	24.9	29.4	31	26.9	25.1	27	31.3	24.2	95	92	72	62	82	92	82.5	4.3
15..	57	57.84	58.50	55.23	56.95	57.26	57.13	24.8	25	29.1	30.1	26.6	25.3	26.8	31.4	24.4	93	95	71	60	86	92	82.8	32.1
16..	55.86	56.59	57.76	55.67	56.86	57.41	56.69	25.9	25.5	28.2	28.9	26.9	25.5	26.8	30	24.6	88	87	80	74	84	91	84	1.5
17..	55.91	56.90	58.39	56.43	57.59	58.42	57.27	26.7	26.6	29	29.4	27.3	25.6	27.4	30.6	24.9	83	84	78	74	87	92	83	......
18..	57.35	58.79	58.90	56.53	58.19	59.51	58.21	24.7	24.2	29.7	30.3	26.4	25.2	26.8	31	24	92	94	77	65	88	89	84.2	......
19..	57.76	58.67	59.21	56.75	58.26	59.71	58.39	23.6	23.1	29.4	29.6	27.3	25.1	26.4	30.2	23	92	94	74	66	81	91	83	.3
20..	58.16	59	58.62	56.46	57.64	58.54	58.07	24.1	24	28.9	29.6	27.2	25.3	26.5	30.5	23.6	94	95	82	75	86	92	87.3	21.1
21..	57.25	57.85	57.52	56.11	56.86	58.20	57.30	24.3	23.7	28.4	29.2	26.1	24.8	26.1	29.8	23.3	96	94	77	70	86	92	85.8	......
22..	57.69	57.75	58.42	56.46	57.69	58.91	57.82	24.4	24	29.8	29.4	27	25.2	26.6	30.4	23.9	92	92	73	72	84	90	83.8	7.4
23..	57.69	59.33	60.92	58.87	59.46	60.26	59.42	26	25.1	24.4	24.3	24.2	24.2	24.7	26.4	23.5	87	91	92	89	94	93	91	86.7
24..	58.95	59.36	60.06	57.82	58.89	59.86	59.16	25.4	25.8	27.4	27.9	25	26.4	26.3	27.9	24.3	85	80	74	75	91	82	81.2	......
25..	58.62	59.51	59.89	57.68	58.46	59.39	58.92	26.1	24.8	27.8	27.5	26.9	25.5	26.4	28.3	24.3	83	85	77	77	80	89	81.8	16
26..	58.21	59.02	59.27	57.25	57.45	57.80	58.17	24.4	24	23.5	24.1	24.4	24.3	24.1	25.5	23.3	93	95	96	91	91	92	93	80.2
27..	56.65	57.59	58.33	56.89	58.09	59.11	57.78	23.5	23.3	27.4	28.6	27.4	27.1	26.2	28.8	23.1	94	96	78	76	81	82	84.5	......
28..	58.31	59.19	59.61	58.19	59.47	60.34	59.18	24.2	23.3	29	29	25.9	24.3	26	29.6	23.1	93	96	78	78	88	95	88	1.5
29..	59.08	59.52	60.35	58	58.29	59.08	59.05	24.1	24	25.9	26.1	25.6	24.1	25	28.6	23.5	96	97	89	87	94	94	92.8	22
30..	57.89	58.79	59.19	57.31	58.42	59.52	58.52	24.1	24.1	27.9	29.4	27.6	25	26.4	29.8	23.8	96	97	84	82	83	91	88.8	......
Mean	57.63	58.39	58.93	56.87	57.90	58.81	58.09	24.8	24.4	27.8	28.5	26.4	25.2	26.2	29.5	23.9	92	93.4	81.1	76.8	86.4	90.4	86.7	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	486.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	ESE	ENE	ENE	ENE	18.3	45.3	85.5	50.5	199.6	9	Ci.-S.	S.-Cu. E	7	Ci.-S.	Cu.-N. ENE
2..	Calm	Calm	ENE	ENE	ESE	Calm	20.9	23.5	47.7	36	128.1	6	Ci.-S.	Cu.-N. ENE	9	Ci.-S. E	Cu. E
3..	Calm	ENE	ENE	ENE	ENE	ENE	23.9	120.9	95.5	82.3	322.6	10	Ci.-S.	Cu.-N. E	10	....	N. E
4..	Calm	Calm	NEbyE	SE	ESE	ENE	19.1	85.5	50.2	74	228.8	10	....	N. E	10	Ci.-S.	N. E
5..	ENE	Calm	ESE	E	ENE	Calm	46.1	30.8	39.1	16.7	132.7	7	Ci.-S.	N. E	10	Ci.-S. SSE	N. E
6..	Calm	Calm	EbyN	EbyN	ENE	Calm	20.3	48.8	91.1	49.1	209.3	4	Ci.	S. ESE	2	....	Cu. ESE
7..	ENE	Calm	ENE	ESE	ESE	Calm	24.4	17.9	82.9	30.6	155.8	10	A.-S.	S.-Cu. ENE	10	A.-S.	Cu. ENE
8..	ENE	S	Calm	Calm	Calm	S	55.8	23	25.2	22.3	126.3	10	....	S.-Cu. ENE	6	Ci.-S. ENE	S.-Cu. ENE
9..	NNW	swbys	Calm	ESE	SSW	Calm	38.4	30.6	35.4	22.3	126.7	6	A.-Cu. NW	Cu. NW	5	Ci.	Cu. SSW
10..	Calm	Calm	Calm	WNW	WSW	Calm	22.7	22.2	39.7	29.8	114.4	4	Ci.-S.	S.-Cu. SW	9	Ci.-S. E	Cu. S
11..	WSW	WSW	WSW	WSW	WSW	Calm	46.2	59.5	50.4	18.7	174.8	10	Ci.-S.	S.-Cu. W	8	Ci.-S.	Cu. W
12..	SSW	SW	W	WbyS	Calm	Calm	30.9	40.7	29.8	22	123.4	10	Ci.-S.	S.-Cu. WNW	10	A.-S. SW	Fr.-S. SW
13..	WSW	SW	W	W	SW	Calm	30.9	43.7	44.3	19.6	138.5	10	Ci.-S.	Cu. W	10	Ci.-S.	Cu. W
14..	Calm	Calm	SW	WSW	SW	Calm	35.4	60	47.8	22.2	165.4	10	Ci.-S.	Cu. W	6	Ci.-S.	Cu. W
15..	Calm	Calm	WSW	WSW	Calm	WSW	20.7	42	53.3	31.1	147.1	10	Ci.-S.	S.-Cu. WSW	9	Ci.-S. NNW	Cu.
16..	WSW	SW	W	WSW	Calm	Calm	48.3	44	40	15.5	147.8	10	A.-S.	Fr.-N. SW	10	Ci.-S.	S.-Cu. WSW
17..	SW	SW	SSW	Calm	Calm	Calm	60	25.2	25.7	22.2	133.1	10	Ci.-S.	S.-Cu. WSW	10	Ci.-S.	S.-Cu. SW
18..	Calm	Calm	ENE	NWbyW	S	SW	19.6	33	40.2	23.1	115.9	6	Ci.-S.	Fr.-Cu. W	6	Ci.	Cu.-N. S
19..	SSW	SWbyS	Calm	NWbyW	Calm	SW	23.6	27.9	50.5	20.1	122.1	2	Ci.	Cu. SW	2	....	Cu.-N. S
20..	WSW	SW	NW	NNW	Calm	Calm	25.7	28.8	33.6	16.7	104.8	5	Ci.	Cu.-N. NW	5	Ci. SE	Cu. WSW
21..	WNW	Calm	WSW	WbyS	Calm	SW	29.6	38.8	49.4	21.1	138.9	10	Ci.-S.	Cu. NNW	7	Ci.-S.	Cu. W
22..	SW	Calm	WbyS	WbyN	Calm	Calm	34.3	62.2	69	44.6	210.1	6	Ci.-S.	Cu. NW	6	Ci.	S.-Cu. WNW
23..	NNW	NbyW	NNW	WSW	Calm	WSW	88	63.6	33	31.4	216	10	....	N. N	10	A.-S.	N.-cf. NNW
24..	WNW	N	NNW	N	Calm	NNW	70.8	71.8	60.2	41.8	244.6	10	Ci.-S.	S.-Cu. N	8	A.-Cu.	Cu. NNE
25..	Calm	NNW	NNW	NNW	N	N	42.3	49.7	77.2	27.2	196.4	10	A.-S. N	....	10	Ci.-S.	Cu. E
26..	Calm	Calm	Calm	NNW	W	W	20.6	50.4	34.6	30.6	136.2	10	....	N. ENE	10	....	N. NNE
27..	Calm	SbyW	ENE	NbyW	ENE	ENE	15.6	37.6	27.4	56.8	137.4	9	A.-S. SSW	....	4	A.-Cu. S	Cu. SW
28..	Calm	Calm	ENE	ENE	ENE	Calm	19.1	60	63.6	15.8	158.5	6	Ci. SE	Cu. ENE	5	Ci.-S. E	Cu.-N. ENE
29..	Calm	Calm	ENE	ENE	Calm	Calm	19.8	15.9	34.1	36.2	106	5	Ci.-S. SW	S.-Cu. ENE	10	Ci.-S. ESE	S.-Cu. E
30..	Calm	Calm	ENE	Calm	ENE	Calm	17.1	25.1	46.9	53.4	142.5	8	Ci.-S.	S.-Cu. E	5	Ci.-S.	Cu. ENE
Mean	......	......	......	......	......	......	32.9	44.3	50.1	32.8	160.1	8.1	....	....	7.6	....	....
Total	......	......	......	......	......	......	......	......	......	......	4,803.8	......	....	....	......	....	....

SURIGAO

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, −1.86 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+ 2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Air temperature. 2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	Relative humidity. 2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Rain, 24 hours beginning 6 a. m.
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.96	58.64	59.10	57.49	58.73	59.21	58.52	24	23.5	28.3	25.8	25.5	24.2	25.2	28.8	23.3	94	96	82	94	94	91	91.8	42.1
2..	57.87	58.68	59.09	57.34	57.82	59.38	58.36	23.7	23.5	25.9	25.5	25.9	23.9	24.7	27.2	22.9	94	96	88	88	84	94	90.7	59.5
3..	56.92	57.38	57.63	54.50	54.19	55.77	56.06	23.1	24.4	23.4	23.5	24.6	23.9	23.8	24.8	22.9	96	92	94	96	93	94	94.2	123.5
4..	55.02	55.63	56.59	55.10	55.84	57.11	55.88	23	22.6	27.2	27.6	25.8	24.5	25.1	27.8	22.5	95	96	84	83	92	92	90.3	......
5..	56.20	57.40	57.83	55.99	57.48	58.80	57.28	23.8	23.4	29	29	26.6	25	26.1	29.4	23.2	95	97	78	77	87	91	87.5	......
6..	57.39	58.27	58.81	56.99	58.20	59.19	58.14	24.2	23.7	29	28.9	26.3	24.8	26.2	30.4	23.5	94	97	78	75	90	92	87.7	......
7..	58.27	58.82	59.35	57.09	58.29	59.36	58.53	23.9	23.1	28.9	28.9	26.4	24.9	26	30.3	23.1	92	96	79	77	91	92	87.8	2.8
8..	58.37	58.89	59.62	57.39	58.11	58.87	58.54	24.4	24	27.1	28.5	26.4	24.8	25.9	28.8	24	94	96	83	78	88	92	88.5	12.9
9..	57.52	58.15	59.11	57.81	58.67	59.33	58.43	24	23.9	25.1	25	23.5	24.3	24.3	25.4	23.4	93	88	94	94	97	96	93.7	89.1
10..	58.14	59.81	59.89	57.57	59.07	59.55	59	24	22.2	26.9	28.4	25.9	24.4	25.3	29	22.2	95	95	80	75	88	93	87.7	3.3
11..	58.29	59.37	59.68	58.02	59.02	59.45	58.97	24.2	24.2	29.4	27.3	24.9	24.2	25.7	30	23.6	94	94	70	78	92	93	86.8	18.5
12..	57.86	59.07	60	57.22	58.57	59.31	58.67	24	24.5	24.7	26.4	25.3	24.5	24.9	26.7	23.8	95	96	91	80	88	93	90.5	2.3
13..	58.02	58.63	59.01	56.73	57.80	57.93	58.02	23.3	22.6	27.7	26.7	26.2	24.3	25.1	28.7	22.6	96	98	82	82	87	91	89.3	......
14..	57.15	58.24	58.22	55.91	57.07	58.17	57.46	23.2	22.4	29.2	29.6	26.9	23.6	25.8	30.3	22.2	93	96	70	67	77	94	82.8	......
15..	57.02	58.39	58.88	57.27	58.32	59.17	58.18	22.3	22.6	28.1	28.1	27.1	24.5	25.4	29.8	21.8	97	95	74	80	83	90	86.5	......
16..	57.86	58.77	59.74	57.70	59.09	59.92	58.85	23.7	22.9	30.1	28.6	27.3	24.4	26.2	31	22.7	94	97	69	75	80	90	84.2	......
17..	58.88	59.68	60.11	58.66	59.69	60.29	59.55	23.5	22.6	28.4	29.1	26.9	24.5	25.8	29.4	22.4	93	97	80	78	86	91	87.5	3.1
18..	59.30	60.10	60.66	58.45	59.54	60.40	59.74	23.9	23.6	28.8	30	27.6	25.8	26.6	30.4	23.3	92	97	76	72	81	92	85	7.7
19..	59.06	60.37	61.93	59.62	60.83	61.46	60.54	25	24.9	23.2	23.4	23.4	22.9	23.8	26.1	22.7	92	93	97	96	95	97	95	108.5
20..	60.35	60.80	61.40	60.12	60.83	61.58	60.85	24.2	23.4	25.2	25.8	23.3	23.8	24.3	27.5	23.1	96	97	94	87	96	95	94.2	75.5
21..	60.71	61.77	61.91	59.47	60.53	62.02	61.07	23.3	23.1	24.5	26.1	24.4	23.4	24.1	28.2	23.1	96	97	96	89	91	94	93.8	20.9
22..	60.52	60.85	61.50	59.69	60.71	61.17	60.74	23.5	22.9	26.2	25.9	25	24.4	24.6	26.8	22.8	94	97	86	85	89	95	91	8.4
23..	60.10	60.75	61.02	58.84	59.81	60.31	60.14	24	23.8	28.4	29	25.9	24.9	26	30.3	23.5	97	97	81	77	88	92	88.7	42.4
24..	58.82	59.05	59.44	57.98	58.42	58.85	58.76	24.4	23.8	27.8	27.2	26.8	26.3	26	28.3	23.8	95	96	86	87	89	90	90.5	1.3
25..	57.86	58.90	59.70	57.82	58.93	59.80	58.84	25.2	23.9	28.5	28.4	26.7	25.8	26.4	29	23.8	94	97	81	82	88	91	88.8	2.8
26..	58.72	59.70	59.85	57.72	58.95	59.41	59.06	24.4	24.5	28	27.9	26.5	25.2	26.1	28.6	24.3	97	97	85	85	92	92	91.3	......
27..	58.42	59.34	59.77	58.51	59.33	60.26	59.27	24.4	23.9	28.8	28.7	27.5	25.8	26.5	29.8	23.8	93	96	83	84	85	90	88.5	5.3
28..	58.87	59.83	60.15	58.15	59.20	59.91	59.35	24.7	24.3	28.3	29.9	27.5	26.1	26.8	30.1	24.2	94	97	86	75	81	89	87	6.1
29..	58.76	59.71	60.49	58.08	59.04	59.90	59.33	24.6	24.2	28.1	28.8	27.4	24.4	26.2	29.9	24.1	94	96	77	74	81	91	85.5	4.3
30..	58.49	59.47	60.53	58.60	60.45	60.92	59.74	24.3	25.6	28.9	29	23.9	24.3	26	30.2	23.8	92	90	76	71	91	91	85.2	154.7
31..	59.85	60.40	61.14	58.91	59.81	60.55	60.11	24.4	24.4	27.3	27.7	26.9	25.5	26	28.2	23.3	92	92	82	81	83	90	86.7	18.6
Mean	58.34	59.19	59.75	57.77	58.79	59.59	58.90	24	23.6	27.4	27.6	25.9	24.6	25.5	28.7	23.2	94.3	95.5	82.6	81.4	88	92.2	89	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	813.6

Day.	Wind. Direction. 2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Total movement in 6 hours. 6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Clouds. 6 a. m. Amount.	Form and direction. Upper.	Lower.	2 p. m. Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	NbyW	SSW	Calm	Calm	21.4	17.5	18.3	13.9	71.1	10	Ci.-S.	S.-Cu. ESE	10	Ci.-S.	N. NE
2..	Calm	Calm	Calm	Calm	N	Calm	19.5	20.1	39.4	51.5	130.5	9	Ci.-S. E	Cu. ENE	10	....	N. ENE
3..	Calm	Calm	N	Calm	Calm	Calm	24.3	26.8	34.3	26.2	111.6	10	....	N. ENE	10	....	N. NE
4..	Calm	WSW	Calm	Calm	Calm	Calm	22.8	22.8	14	17.9	77.5	10	Ci.-S. E	S.-Cu. ENE	10	Ci.-S.	S.-Cu. SE
5..	Calm	Calm	Calm	Calm	Calm	Calm	11	22.8	18.3	16.6	68.7	9	A.-S. E	Cu.	7	Ci.-S.	Cu.-N. SSW
6..	Calm	Calm	ENE	SW	Calm	Calm	18.3	19.3	18	17.5	73.1	4	Ci.	S.	6	Ci.	Cu.-N. SSW
7..	Calm	Calm	ENE	ENE	Calm	Calm	16.1	25.7	25.2	13.4	80.4	5	Ci.	S. S	8	A.-Cu. ESE	Cu. SW
8..	Calm	Calm	NbyW	NbyW	ENE	Calm	12.7	23.9	40.5	32.2	109.3	10	A.-S. ESE	Fr.-S. E	9	Ci.-S.	Cu. E
9..	Calm	Calm	ENE	Calm	Calm	ESE	17.5	16.1	16.6	19	69.2	7	Ci.-S.	Cu.-N. ENE	10	....	N. E
10..	ENE	SSW	ESE	ENE	ESE	Calm	44.1	44.3	80.2	44.6	213.2	10	A.-S.	Fr.-N. E	9	Ci.-S.	Cu.-N. E
11..	Calm	Calm	ENE	ENE	Calm	Calm	19.1	66.3	63	15.1	163.5	8	Ci.-S.	Fr.-Cu. E	10	....	N. E
12..	Calm	ESE	ESE	ESE	Calm	Calm	16.6	63.9	33	17.7	131.2	10	....	N. E	10	A.-S. ESE	....
13..	Calm	Calm	NEbyN	Calm	ESE	Calm	15.6	25.1	48.3	19	108	1	....	Cu. ESE	8	A.-Cu. E	Cu. E
14..	Calm	Calm	EbyS	ENE	ENE	Calm	17.1	50.7	61.2	45.6	174.6	1	....	Cu. ENE	1	....	Cu. ESE
15..	Calm	Calm	ENE	Calm	ENE	Calm	21.1	17.1	38.3	17.1	93.6	7	A.-Cu. E	Cu.	7	Ci.	Cu. E
16..	Calm	Calm	ESE	ENE	ENE	Calm	11.5	39.4	56.8	34.6	142.3	4	Ci.	Cu. ENE	7	Ci.	Cu.-N. E
17..	Calm	Calm	Calm	NNW	ENE	Calm	18	14.5	45.3	28.8	106.6	8	....	N. E	6	Ci.	Cu. E
18..	Calm	Calm	ENE	ESE	ENE	ENE	12.6	39.1	67.4	54.4	173.5	6	....	S.-Cu. E	6	....	Cu.-N. ENE
19..	ESE	ESE	Calm	Calm	S	Calm	64.7	34.3	33.3	13.1	145.4	10	....	N. ESE	10	....	N. E
20..	SSW	SSW	Calm	ENE	SSW	Calm	26	28	81.1	27.4	162.5	10	....	N. E	10	....	N. E
21..	Calm	SbyE	Calm	SSE	ESE	Calm	67.9	20.4	44.1	66.3	198.7	10	....	N. E	10	Ci.-S.	N. E
22..	Calm	Calm	ESE	ENE	ENE	Calm	23.6	75.6	135.2	46.7	281.1	10	....	N. E	10	Ci.-S.	S.-Cu. ESE
23..	Calm	Calm	ESE	ESE	ESE	Calm	16.6	40	64.1	38.9	159.6	10	Ci.-S.	N. ESE	7	....	S.-Cu. E
24..	Calm	Calm	N	NNW	N	Calm	17.7	26.2	85	35.2	154.1	10	....	N. E	10	....	S.-Cu. NNW
25..	Calm	Calm	Calm	N	Calm	Calm	14.7	23.3	35.4	9.1	82.5	4	A.-Cu. SE	Cu. NW	7	Ci.	Cu. ESE
26..	Calm	Calm	Calm	NbyW	Calm	Calm	13.7	27.2	48	9.5	98.4	7	Ci.	Cu.-N. ESE	7	Ci.-S. E	Cu. E
27..	Calm	Calm	Calm	NNW	ENE	Calm	13.5	16.6	58.1	24.3	112.5	8	Ci.-S.	Cu. ESE	2	Ci.-Cu.	Cu. ENE
28..	Calm	Calm	ENE	ENE	ENE	ENE	10.7	22.8	82.6	51	167.1	6	Ci.-S. ESE	S.-Cu. ESE	3	....	Cu. ENE
29..	Calm	Calm	ENE	ENE	ENE	Calm	21.5	40.8	98.5	31.9	192.7	6	....	Cu.-N. ENE	5	Ci.	Cu.-N. SE
30..	Calm	ENE	EbyN	ENE	ENE	ENE	29.3	84	91.4	79.1	283.8	9	Ci.-S.	Cu.-N. ESE	7	A.-Cu.	Cu. E
31..	ENE	ENE	ENE	ENE	ENE	ENE	140	148.2	157.4	154	599.6	10	....	N. E	7	Ci.-S.	Cu. ESE
Mean	......	......	......	......	......	......	25.8	36.9	55.9	34.2	152.8	7.7	....	....	7.7	....	....
Total	......	......	......	......	......	......	......	......	......	......	4,735.9	....	....	....	....	....	....

CEBU

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 9 meters; gravity correction not applied, −1.84 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.20	60.79	61.64	59.74	60.04	61.04	60.58	25.3	25.2	28.8	28.8	28	26.9	27.2	30.1	24.1	86	86	73	73	75	80	78.8	......
2..	60.28	60.22	61.47	59.48	60.03	60.99	60.41	26.3	25.8	29.5	30.5	28.6	27	28	31.5	24.7	83	85	68	67	73	79	75.8	......
3..	60.29	61.14	62.17	60.24	60.52	61.80	61.03	26.5	26.2	28.6	29.5	28	26.7	27.6	29.9	25	80	84	75	66	74	80	76.5	3.3
4..	61.14	61.16	62.66	60.63	61.35	62.22	61.53	25.1	25.1	28.5	29.9	27.4	25.9	27	31	24.4	88	87	64	56	74	81	75	......
5..	61.40	61.69	62.77	60.96	61.73	63.25	61.97	24.8	24.5	27.4	28.5	27.5	24	26.1	28.8	22.9	80	79	74	64	73	91	76.8	64.8
6..	62.95	63.19	63.91	61.96	62.68	63.58	63.04	23.4	23.5	27.4	28.5	27.2	26.1	26	28.6	22.9	93	91	67	61	71	79	77	.4
7..	61.97	62.28	62.84	60.93	61.75	63.02	62.13	25.1	25.1	27.5	27.5	25.6	24.1	25.8	28.2	23.8	83	84	69	73	80	91	80	3.1
8..	61.87	62.14	62.59	60.42	61.09	61.99	61.68	24.5	24.1	27.9	28.5	27.5	25.2	26.3	28.7	23.7	83	84	68	68	70	77	75	......
9..	60.32	60.72	61.69	59.48	59.62	60.74	60.43	24.1	24.2	27.9	30	27.6	24.9	26.4	30.7	23.6	85	85	60	55	69	80	72.3	......
10..	59.53	59.87	60.79	58.72	59.63	60.67	59.87	23.9	24.5	28.5	28.6	25.6	24.9	26	30.1	23	85	75	61	64	87	85	76.2	......
11..	58.79	59.52	60.65	58.76	59.43	60.39	59.59	24.4	24.1	28.5	30.4	27.7	25.4	26.8	30.5	23.6	85	86	73	64	73	77	76.3	......
12..	59.40	59.87	61.39	59.16	59.46	61.04	60.05	25	24.4	28.5	29	28.1	24.9	26.6	30.2	23.9	83	85	68	64	70	77	74.5	......
13..	59.64	60.27	61.73	59.67	60.01	61.45	60.46	24.8	24.1	28.5	29.3	27.9	25	26.6	29.5	23.7	84	86	68	56	65	76	72.5	......
14..	60.90	62.18	63.72	61.98	62.03	63.12	62.32	24.2	23.5	27	28	26.7	24.2	25.6	28.9	22.7	82	84	60	54	58	71	68.2	......
15..	62.28	62.61	63.61	61.42	61.48	62.65	62.34	23.1	22.5	27.4	28.6	28	25	25.8	29.8	21.7	78	80	60	50	54	68	65	......
16..	61.77	61.89	63.05	61.18	61.84	63.15	62.15	24	23.9	26	27.9	26.4	24	25.4	28.6	22.9	77	79	76	65	75	91	77.2	2.8
17..	62.15	62.17	63.30	61.63	62.77	64.14	62.69	25	25	27.3	28	25.4	24	25.8	28.6	23	76	72	56	63	84	88	73.2	1
18..	62.67	62.98	64.38	62.48	62.90	63.98	63.23	24	24	27.6	28.6	27.6	25	26.1	29.4	23.7	86	80	53	54	66	73	68.7	......
19..	62.82	63.06	64.34	62.34	63.20	64.58	63.39	24.1	23.5	27.1	28.9	27.1	25	26	29.5	23	75	76	59	53	52	64	63.2	......
20..	63.10	63.09	63.79	61.29	61.74	62.95	62.66	23.5	22.5	27.1	27.5	26.6	25	25.4	29.5	21.9	68	74	61	66	69	74	68.7	......
21..	61.97	62.37	63.39	61.02	61.72	63.14	62.27	25	25.1	27	28.1	27	26	26.4	28.6	24.3	73	72	64	60	67	73	68.2	.1
22..	62.13	62.28	62.89	60.89	61.17	62.55	61.98	24.9	23.5	27.9	29.9	27.6	25.4	26.5	30.3	23.2	74	80	61	48	56	67	64.3	......
23..	61.45	61.45	62.62	60.63	61	62.34	61.58	25.5	25	26.1	25.6	25.6	24.5	25.4	28.1	23.5	67	76	79	81	81	92	79.3	1
24..	60.62	60.57	61.93	60.29	60.42	61.27	60.85	24.6	25	24.5	26	26.5	25.5	25.4	26.7	23.9	87	81	91	81	80	84	84	1.9
25..	60.07	60.83	62.12	60.02	60.28	61.40	60.79	24.9	23.8	28	28	27.1	26	26.3	29.3	23.3	84	90	70	74	76	87	80.2	.3
26..	60.45	61.15	62.64	60.42	61.03	62.32	61.34	24.8	23.6	27.5	28.8	27.5	25.5	26.3	29.5	23.4	86	85	63	50	60	74	69.7	......
27..	61.38	61.19	62.30	60.27	60.83	62.40	61.40	23.6	23.5	27.6	29	27.5	24.6	26	29.2	22.8	70	64	55	46	60	75	61.7	......
28..	61.02	61.24	62.84	60.32	60.77	61.79	61.33	23.9	24	27.1	28.5	27	25	25.9	29.5	23.1	75	72	60	55	57	73	65.3	......
29..	60.57	61.08	62.58	60.49	61.17	61.99	61.31	24	23.9	27.6	28.9	27.9	25.4	26.3	29.4	23.4	74	77	56	49	58	70	64	.5
30..	60.95	61.52	62.55	60.26	60.71	61.98	61.33	25	23	26.6	29	28.4	25	26.2	29.4	22.6	76	95	75	62	62	76	74.3	......
31..	60.94	61.64	62.48	60.36	60.96	62.20	61.43	25.5	24.5	27.6	28.8	28	25.7	26.7	29.3	24.1	78	87	66	56	58	68	68.8	......
Mean	61.13	61.49	62.61	60.56	61.08	62.26	61.52	24.6	24.2	27.6	28.6	27.2	25.2	26.3	29.4	23.4	80.1	81.3	66.2	61.2	68.6	78.1	72.6	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.. ..	79.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	NE	NE	NE	NE	25.7	39.6	114.8	75	255.1	8	Ci.-S.	S.-Cu. NE	6	Ci.-S.	S.-Cu. NE
2..	N	N	NE	SE	NE	N	61.2	85.5	101.4	78.9	327	6	Ci.-S.	S.-Cu. NE	4	Ci.	Cu. E
3..	NNE	NE	NE	NE	NNE	NNE	51.7	94	124.9	71	341.6	5	Ci.	Cu. E	7	Ci.-S.	S.-Cu. NE
4..	N	N	NE	NE	NNE	N	71.6	94.3	118	88.5	372.4	4	Ci.	Cu.	5	A.-Cu.	Cu. NE
5..	N	N	NNE	NE	NE	NE	67.2	114.8	140.2	96.4	418.6	2	Ci.	S.	10	A.-Cu. E	N.-cf.
6..	N	N	NNE	NE	NNE	NE	100.3	125	175.5	100.3	501.1	10	Ci.-Cu. E	S.	10	Ci.-S. SW	Cu.
7..	NE	NNE	NNE	NNE	NE	NE	100.1	131.9	188.6	100.6	521.2	10	....	N.-cf. NE	10	....	N.-cf. NE
8..	N	N	NNE	NE	NE	N	71.6	93.5	137.1	90.9	393.1	10	Ci.-Cu. ENE	Cu.	10	Ci.	Cu. NE
9..	N	Calm	NE	ENE	NE	Calm	45	78.6	88.9	32.4	244.9	7	Ci.	Cu. E	3	Ci.	Cu.
10..	NE	NNE	NE	NE	NE	Calm	46.4	90.3	131.7	29.3	297.7	3	Ci.	Cu.	10	A.-Cu. E	Cu.
11..	N	NNE	NE	NE	NE	N	49.4	74.5	95.8	66.3	286	2	Ci.	Cu.	4	A.-Cu. E	Cu.
12..	N	N	NE	NE	NE	N	72.4	62.7	96.7	42.1	273.9	10	Ci.-Cu. E	Cu.	10	Ci. E	Cu.
13..	N	N	ENE	NE	NE	N	66	72.9	113	74.7	326.6	8	Ci.-S.	Cu. NE	3	Ci.	Cu.
14..	N	N	NE	NE	NE	N	75.2	96.4	123.6	71.6	366.8	7	Ci.	Cu. NE	7	Ci.	Cu.
15..	N	NW	NE	NE	NE	N	51	53.6	67.6	69.2	241.4	1	Ci.	Cu.	1	A.-Cu.	Cu.
16..	Calm	N	NE	NE	NE	N	29.9	86.5	115.6	45.3	277.3	10	A.-Cu.	Cu. NE	10	A.-Cu. E	N.-cf.
17..	N	N	NE	NE	N	N	76.7	135.9	151.8	81.7	446.1	10	A.-Cu. E	N.-cf.	10	....	N.-cf. NE
18..	NE	N	NE	NE	NE	NE	69.7	132.5	133.7	53.1	389	8	A.-Cu. ENE	Cu.	2	....	Fr.-Cu.
19..	N	N	NE	NE	NNE	N	76.6	126	136.7	69.2	408.5	4	Ci.-S.	Cu.	7	Ci.	Cu. NE
20..	N	N	NE	NE	NE	N	64.4	134.9	167.9	72.1	439.3	7	A.-Cu. ENE	Cu.	10	Ci.-Cu.	N.-cf. NE
21..	N	NNE	NNE	NNE	NNE	NE	82	153.3	151.4	108.7	495.4	10	A.-Cu.	Cu. NE	10	A.-Cu.	N.-cf. NE
22..	NE	NNE	NE	NNE	NNE	N	82.4	146.7	174.4	80.1	483.6	3	A.-Cu.	S.-Cu.	10	A.-Cu. ENE	Cu.
23..	N	NNE	NNE	NNE	NE	N	98.7	137.9	138.4	75.3	450.3	10	....	N.-cf. NE	10	....	N.
24..	NE	NNE	NNE	NNE	NNE	N	65.7	92.8	119.9	66	344.4	10	....	N.-cf. NE	10	....	N.-cf. NE
25..	N	N	NNE	NE	NNE	NNE	48.3	92.7	102.4	92.3	335.7	10	A.-Cu. E	Cu.	7	A.-Cu.	Cu.
26..	NE	NNE	NNE	NE	NNE	NE	70.1	148.1	168.4	122.7	509.3	3	Ci.	Cu.	6	A.-Cu.	Cu. NE
27..	N	N	NE	NNE	NNE	NE	96.9	153.7	150.3	50.6	451.5	2	Ci.-S.	Cu.	4	A.-Cu.	Cu.
28..	N	N	NE	NE	NNE	N	76.8	144.6	111.2	79.6	412.2	10	A.-Cu.	Cu. E	8	A.-Cu.	Cu. NE
29..	N	NNE	NE	NE	NNE	N	71.8	138.3	166.5	55.9	432.5	3	A.-Cu.	Cu.	2	A.-Cu.	Cu.
30..	N	Calm	NE	NE	NE	NE	66.3	73.7	106.7	65.7	312.4	10	....	N.-cf. ENE	2	A.-Cu.	Cu.
31..	NE	N	NE	NE	NE	N	56.7	85.2	116.3	65.4	323.6	7	A.-Cu. NE	Cu.	10	....	S.-Cu. ENE
Mean	......	......	......	......	......	......	67.3	106.1	130	73.3	376.7	6.8	....	....	7	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	11,678.5	....	....	....	....	....	....

CEBU

[φ=10° 18′ N; λ=123° 54′ E; barometer above sea, 9 meters; gravity correction not applied, −1.84 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.27	62.06	62.98	61.17	61.32	62.24	61.84	24.5	23.1	27.9	28.5	27.6	25.1	26.1	29.5	22.9	81	85	63	58	64	76	71.2	......
2..	61.25	62.22	62.94	60.98	61.92	62.67	62	24.3	24	28.2	30	27.7	25.6	26.6	31	22.5	81	86	63	53	62	87	72	......
3..	62.05	63.20	63.53	61.19	62.31	63.03	62.55	25.7	24	27.3	29.5	28	25.6	26.7	29.7	23.4	78	88	78	58	66	78	74.3	6.4
4..	62.15	62.90	63.83	61.46	62.96	63.71	62.84	24.6	25	27.6	29.6	27.5	25.6	26.6	30.1	23.8	75	64	60	49	60	71	63.2	......
5..	62.74	63.82	64.27	61.91	63.71	64.28	63.46	25.4	25.4	28.1	29	25	24.6	26.2	29.8	23.9	71	70	57	58	83	79	69.7	2.5
6..	63.69	64.56	65.07	62.52	63.32	63.71	63.81	23.5	24	27.1	28.3	27.5	26.1	26.1	29	22.8	87	80	72	61	66	79	74.2	......
7..	63.12	64.17	65.06	62.32	63.22	63.46	63.56	24.6	24	27.8	28.6	28	26.6	26.6	29.1	23.4	79	83	68	60	63	77	71.7	......
8..	62.15	63.37	64.11	61.96	62.71	63.08	62.90	24.4	24.5	28.5	29.2	27.6	27	26.9	29.9	24.1	82	82	64	60	73	73	72.3	......
9..	61.94	62.77	63.73	61.92	62.41	63.57	62.72	24.5	23.4	27.6	28	28.2	26.6	26.4	29.2	23	79	80	66	63	59	80	71.2	......
10..	62.25	62.03	63.39	61.13	61.34	62.79	62.16	24.3	23.5	27	28	27	26.2	26	28.9	23.4	78	78	70	70	75	79	75	......
11..	61.87	62.52	63.59	61.07	61.74	62.93	62.29	24.3	24.8	27	29.1	27.4	26.4	26.5	29.2	22.8	78	80	75	64	71	78	74.3	3.3
12..	61.85	61.87	63.04	60.63	60.67	62.29	61.72	24.8	24.1	27.1	28.6	28	26	26.4	28.8	23.6	83	91	72	64	70	79	76.5	......
13..	60.82	61.34	63.09	60.72	60.62	61.94	61.42	25.8	25.5	27.5	29	28.1	25.8	27	29.5	23.2	78	80	70	59	63	76	71	3.6
14..	61.39	61.72	62.53	60.82	61.06	62.22	61.62	24.6	24	28.5	29.2	28.6	26.2	26.8	29.9	23.7	81	83	55	58	60	72	68.2	......
15..	61.44	61.95	62.95	60.46	61.21	62.23	61.71	25.3	25	27.6	29.4	27.6	26	26.8	29.7	24.6	78	80	70	66	73	81	74.7	......
16..	61.54	61.65	61.98	60.17	59.92	61.22	61.08	25.4	24.4	28.5	29	27.9	26.7	27	30.3	23.5	82	85	70	68	76	77	76.3	......
17..	60.04	60.30	61.47	58.89	58.66	60.02	59.90	25.5	24	27.5	29.7	28	26.4	26.8	30.8	23.6	80	85	78	69	77	76	77.5	......
18..	59.03	59.74	60.64	58.66	59.26	60.64	59.66	26.1	24.6	29.4	28.4	28.4	25.6	27.1	30.5	24.3	79	83	65	73	65	76	73.5	.3
19..	59.67	60.60	61.64	59.39	59.81	61.12	60.37	25.5	24.9	28.5	28.6	28	26.7	27	29.9	24.5	84	88	67	66	71	80	76	.8
20..	60.04	60.88	61.61	59.23	59.31	60.27	60.22	26.1	26.5	29	29.4	27.7	26.1	27.5	30.6	25.1	88	78	64	64	76	79	74.8	......
21..	59.33	60.04	61.19	58.78	58.63	59.61	59.60	25.7	25.2	28.1	29.2	28.4	26.7	27.2	30.9	24.6	82	82	70	66	73	77	75	......
22..	58.72	58.97	59.87	57.79	58.23	59.67	58.88	26.5	25.6	28.8	29.2	29	26.8	27.6	30.1	25.5	81	87	69	66	65	77	74.2	......
23..	58.63	59.23	60.08	58.04	58.54	60.32	59.14	26.2	24.9	28.4	29.7	28.9	27.5	27.6	30.6	24.6	79	84	68	60	64	73	71.3	.3
24..	59.57	60.24	60.99	58.58	58.89	60.58	59.81	26.6	25.5	28.1	29.5	28.5	27.5	27.6	30.8	25.3	78	80	65	56	58	64	66.8	......
25..	59.59	59.90	60.86	58.79	59.14	60.37	59.78	24.9	23.5	28.5	30	28.5	26.5	27	30.2	23.3	75	80	60	55	58	70	66.3	......
26..	59.80	60.22	61.32	59.42	60.01	61.52	60.38	23.6	23.6	28.2	29	28.8	26.6	26.6	29.7	23.3	69	67	53	58	56	72	62.5	......
27..	60.58	61.24	61.92	60.14	60.21	61.18	60.88	24.8	24.4	28.4	29.1	27	26	26.6	29.7	24	80	78	57	58	73	78	70.7	9.4
28..	60.39	61.02	62.03	59.59	59.67	61.29	60.66	25.5	23.5	28	29.5	28.1	24.4	26.5	30.4	23	80	93	65	61	70	88	76.2	.5
Mean	60.96	61.59	62.49	60.28	60.74	61.86	61.32	25.1	24.5	28	29.1	27.9	26.2	26.8	29.9	23.8	79.5	81.4	66.2	61.5	67.5	76.9	72.2	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	N	N	NE	NE	NE	N	62.5	111	118.8	84	376.3	2	A.-S.	Cu.	5	Ci.-Cu.	Cu.
2..	N	N	NE	NE	N	NE	44.3	99	128.2	54.3	325.8	3	Ci.	Cu.	6	Ci.-Cu. E	Cu.
3..	NE	NNE	NE	NE	NE	NE	79.1	84	136	118	417.1	10	....	N.-cf. NE	3	....	Cu.
4..	N	NE	NE	NE	NE	N	64.4	129	201.3	85.5	480.2	10	A.-Cu. E	Cu.	2	A.-Cu.	Cu.
5..	N	NNE	NE	NE	NNE	NE	85	158.5	205.6	93.1	542.2	10	A.-Cu. E	Cu.	8	Ci.	Cu. NE
6..	NE	NNE	NE	NE	NE	NE	103.2	124.2	171.7	154.1	553.2	10	Ci.-Cu.	Cu. ENE	6	A.-Cu.	Cu. NE
7..	N	N	NE	NE	NE	NE	84.5	119.5	200.9	97.6	502.5	2	A.-Cu.	Cu.	1	....	Cu.
8..	N	NNE	NE	NE	NE	NE	63.3	113.9	167.7	142.3	487.2	8	A.-Cu. E	S.	3	A.-Cu.	Cu.
9..	N	NNE	NE	NE	NE	NE	54.6	137.6	126	98.6	416.8	2	Ci.	Cu.	7	A.-Cu.	Cu.
10..	N	N	NE	NE	NE	N	73	103.9	138.4	81.3	396.6	2	Ci.	S.	10	A.-Cu. E	Cu.
11..	NE	NE	NE	NE	NE	NE	79.4	92.2	140.7	91.2	403.5	10	....	N.-cf. ENE	10	Ci.-Cu.	Cu. NE
12..	N	NNE	NE	NE	NE	N	80.5	122.8	152.7	85	441	10	A.-Cu.	N.-cf. ENE	4	A.-Cu.	Cu. NE
13..	N	NNE	NE	NE	NE	NNE	55.9	90.6	97.7	95.3	339.5	10	....	N.-cf. NE	6	Ci.	Cu. E
14..	NE	N	NE	NE	NE	NE	64.9	112.1	137.4	74.3	388.7	4	Ci.-S.	Cu.	7	A.-Cu. E	Cu.
15..	NNE	NNE	NE	NE	NNE	Calm	50.7	113	125	42.6	331.3	10	A.-Cu.	Cu. NE	10	....	N.-cf. NE
16..	NE	NE	NE	NE	NE	NE	41	65	123.2	59.4	288.6	7	Ci.	Cu.	4	Ci.	Cu.
17..	Calm	NW	S	S	NE	NNE	35.6	39.7	82.6	69.2	227.1	8	A.-Cu. SW	Cu.	6	A.-Cu.	Cu.
18..	NNE	Calm	NE	NE	NE	N	47.2	100.7	139.7	72.9	360.5	8	A.-Cu. SSE	Cu.	7	Ci.	Cu.-N.
19..	N	N	NE	NE	NE	NE	49.9	97.7	125.5	52.5	325.6	10	Ci.	Cu.	5	Ci.	Cu.
20..	E	NE	NE	NE	NE	NNE	64.4	106.1	134.1	94.1	398.7	10	A.-Cu.	Cu. NE	10	A.-Cu. E	Cu.
21..	N	NNE	NE	NE	NE	N	56.3	82.9	126.7	76.4	342.3	10	Ci.-S.	Cu. ENE	5	Ci.	Cu.
22..	N	Calm	NE	NE	NE	N	33.8	83.6	145.5	70.8	333.7	3	Ci.-Cu.	Cu.	2	A.-Cu.	Cu.
23..	N	N	NE	NE	NE	NE	46.1	86.5	144	111.5	388.1	10	Ci.-S.	N.-cf. ENE	10	Ci. E	Cu.
24..	NE	NNE	NE	NE	NE	NE	58.2	131.1	120.9	66.1	376.3	10	Ci.-Cu.	Cu. NE	8	Ci.	Cu.
25..	N	N	NE	NE	E	N	59	96.7	115.3	91.2	362.2	7	Ci.	Cu.	10	Ci.-S. SE	Cu.
26..	N	N	NE	NE	NE	Calm	72	123.6	152.6	57.5	405.7	10	A.-Cu. E	S.	10	Ci. ENE	Cu.
27..	N	N	NE	NE	NE	NE	53.6	111.9	133.5	106.5	405.5	10	Ci.-Cu.	Cu. NE	10	Ci.-S.	S.-Cu. ENE
28..	N	N	NE	NE	NE	NE	75.5	85.3	143	105.4	409.2	10	A.-Cu. E	Cu.	3	Ci.-Cu.	Cu.
Mean	......	......	......	......	......	......	62.1	104.4	140.5	86.8	393.8	7.7	....	....	6.4	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	11,025.4	....	....	....	....	....	....

CEBU

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 9 meters; gravity correction not applied, —1.84 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.94	60.19	61.53	59.18	59.39	60.74	60.16	25	25.4	28	30	28.6	27.1	27.4	31	24.6	83	77	61	55	66	76	69.7	....
2..	59.43	59.72	61.34	59.36	59.66	61.41	60.15	25.6	24.6	29.1	31	28.3	27.1	27.6	31.1	24.4	79	79	63	56	66	71	69	....
3..	60.88	61.40	62.32	60.08	60.44	62.17	61.22	25	24.5	28.5	29.5	28.5	26.6	27.1	30.5	24.1	76	72	64	59	58	75	67.3	....
4..	61.12	61.25	62.77	60.47	60.81	62.12	61.42	26.1	24.2	28	29.1	28	27	27.1	30.5	23.9	73	75	61	60	71	70	68.3	....
5..	61.44	61.82	62.93	60.51	60.42	62.13	61.54	24.5	23.9	28.7	28.6	28.5	26.5	26.8	29.5	23.4	75	72	60	56	59	71	65.5	....
6..	61.20	61.90	62.39	60.14	60.09	61.49	61.20	25.2	23.6	28	29.4	28.5	27.2	27	30.8	23.3	74	81	57	51	57	67	64.5	....
7..	60.68	61.15	61.98	59.73	59.88	61.21	60.77	26.6	24.6	28.6	30.5	28	27	27.6	30.6	24.2	72	83	61	60	63	67	67.7	....
8..	60.35	61.15	61.88	59.51	59.97	61.42	60.71	24.7	24.5	27.6	28.7	28.1	26.2	26.6	29.6	24	74	75	64	60	66	74	68.8	....
9..	60.13	61	61.78	59.61	59.76	61.18	60.58	25	24	27.1	29.5	28	26.6	26.7	30.5	23.5	76	79	76	56	70	74	71.8	....
10..	60.13	61.34	62.43	60.46	60.01	61.83	61.03	26.1	25.9	26.9	29	27.8	26.5	27	29.8	24.9	76	78	77	63	69	69	72	....
11..	61.15	61.54	61.74	59.84	60.01	61.78	61.01	25.7	24	29.3	30	28.5	27.1	27.4	31	23.8	75	80	62	56	58	72	67.2	....
12..	60.78	61.55	62.89	60.62	61.07	61.96	61.48	26.4	26.1	29.9	28	27	26.5	27.3	30.6	25.8	75	76	59	74	74	76	72.3	0.8
13..	60.65	61.38	62.54	60.26	59.92	61.49	61.04	24.3	25.1	28.5	31.4	29	27.1	27.6	31.7	24.1	90	87	68	52	60	74	71.8	....
14..	60.49	61.18	62.59	59.98	60.29	61.79	61.05	26.7	25	29.5	29.4	28	26.6	27.5	30.5	24.6	75	80	61	64	68	77	70.8	....
15..	60.44	61.14	62.48	60.28	60.83	61.93	61.18	25.7	25	28.5	28.6	27	26	26.8	30.2	24.8	82	88	70	71	78	76	77.5	.3
16..	60.74	61.09	61.81	59.97	60.04	61.11	60.79	26.1	25.4	29.1	29.4	29.5	26.9	27.7	31	25.1	76	73	64	53	56	70	65.3	1
17..	60.32	60.79	62.33	60.39	60.34	62.12	61.05	25.9	24.6	27.8	28.1	28.2	27.1	27	29.5	24	76	91	69	73	70	70	74.8	1.3
18..	60.99	61.45	62.97	60.94	61.09	62.77	61.70	25	25	28	28.9	28.9	26.8	27.1	30.9	24.1	78	80	68	60	62	74	70.3	....
19..	61.64	61.94	63.29	60.92	61.23	63.02	62.01	25.5	25.5	28.2	30.1	28.6	26.1	27.3	31	25.1	80	80	72	58	68	79	72.8	....
20..	61.62	61.93	62.94	60.47	60.49	61.97	61.57	26.1	25.5	28.5	29.9	29	27.4	27.7	31.5	25.2	79	84	66	56	59	70	69	....
21..	60.78	61.17	62.12	59.86	59.94	61.18	60.84	25.1	24.4	27.8	29.9	28.1	25.9	26.9	30.3	24.1	76	77	60	55	63	70	66.8	....
22..	60.95	61.35	61.73	59.17	59.12	61.12	60.57	24.7	24	28.5	29.9	28.2	26.7	27	31.1	23.3	75	78	62	51	66	71	67.2	....
23..	60.23	60.97	61.71	59.18	59.43	60.56	60.35	25	24	29.1	30.5	29.4	27	27.5	32.7	23.7	76	80	64	65	66	77	71.3	....
24..	59.41	60.17	60.83	58.77	59	60.27	59.74	26.7	26.4	29	29.5	29.2	26.7	27.9	30.5	25.6	81	83	68	64	60	67	70.5	....
25..	59.43	59.95	61.29	58.77	59.43	61.24	60.02	25.3	24.1	28.4	30.1	28.6	28	27.4	31.2	23.6	77	80	61	60	66	67	68.5	....
26..	60.23	60.74	61.66	58.72	59.54	60.70	60.26	25.4	24.5	28.3	29.1	27.3	25.1	26.6	31.7	23.9	77	77	62	63	72	87	73	.6
27..	59.44	59.65	60.96	58.56	58.72	60.14	59.58	25.1	25	29.6	31	29.2	28.3	28	31.9	24.5	79	77	56	50	67	77	67.7	....
28..	59.23	59.68	60.97	58.87	59.16	60.67	59.76	27.1	26.6	27.1	28.1	27.4	26.7	27.2	29.8	25.8	78	81	79	77	74	76	77.5	....
29..	59.38	59.84	60.86	58.63	58.68	60.79	59.70	25.8	25.6	28.5	30.5	29	27.9	27.9	31.2	25.3	76	75	64	59	60	68	67	....
30..	59.02	59.59	60.29	57.84	58.17	60.51	59.24	26.4	25.9	28.8	29.5	29	27.1	27.8	30.2	25.1	77	81	63	59	62	70	68.7	....
31..	58.74	59.08	60.19	57.69	58.32	59.82	58.97	25.7	25.1	27.9	29.8	28.9	27.6	27.5	31.1	24.8	78	80	74	60	69	76	72.8	....
Mean	60.35	60.87	61.92	59.64	59.85	61.38	60.67	25.6	24.9	28.4	29.6	28.4	26.9	27.3	30.8	24.4	77.2	79.3	65	59.9	65.3	72.8	69.9	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	N	N	NE	NE	NE	E	47.5	140	155.4	79.7	422.6	10	A.-Cu.	N.-cf. ENE	10	Ci.	Cu. NE
2..	N	N	NE	NE	NE	NE	59	91.2	129.5	117.1	396.8	10	Ci.-S. SE	Cu.	10	A.-Cu. NNE	Cu.
3..	N	N	NE	NE	NE	NE	80.7	76.8	134.5	110.9	402.9	10	Ci.-S. E	Cu.	9	Ci.-S. E	Cu.
4..	N	N	NE	NE	NE	NE	99.8	97.9	153.1	107.3	458.1	10	Ci.-Cu. NE	Cu.	10	Ci.-S. E	Cu.
5..	N	N	NE	NE	NE	N	69.7	94.3	144.1	79.3	387.4	2	Ci.	Cu.	10	Ci.	Cu. NE
6..	N	N	NE	NE	NE	E	64.9	89.7	101.1	48.6	304.3	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. NE
7..	E	N	NE	NE	NE	NE	79.9	113.3	148.9	120.9	463	10	Ci.-S.	N.-cf. ENE	10	Ci. SE	Cu.
8..	N	N	NE	NE	NE	N	70.8	124.6	145.1	83.4	423.9	10	Ci.	Cu. ENE	7	Ci.-S.	Cu.
9..	N	N	NE	NE	NE	N	35.1	108.6	132.3	82	358	6	A.-Cu.	Cu.	2	Ci.-S.	Cu.
10..	N	N	NE	NE	NE	NE	68.2	132.7	132	65.7	398.6	10	A.-Cu.	N.-cf. ENE	10	A.-Cu. ENE	Cu.
11..	NE	N	NE	NE	NE	ENE	41.3	104.4	139.7	139.3	424.7	2	A.-S.	Cu.	2	A.-Cu.	Cu.
12..	N	NNE	NE	NE	NE	NE	50.4	90.4	130.9	41	312.7	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
13..	Calm	NNE	NE	E	NE	NE	39.3	82.4	120	58.7	300.4	10	....	N.-cf. E	10	A.-Cu. N	Cu.
14..	NE	NNE	NE	NE	NE	N	69.7	101.9	156.3	87.4	415.3	8	Ci.	Cu. NE	5	Ci.	Cu.
15..	N	NNE	NE	NE	NE	NE	49.2	99.6	161.3	111.5	421.6	7	Ci.-Cu	N.-cf.	10	Ci.-Cu. ENE	N.-cf.
16..	N	N	NE	NE	NE	NE	61.2	152.5	140.3	66.3	420.3	7	Ci.-Cu.	S.-Cu.	10	Ci.	Cu. NE
17..	N	NE	NE	NE	NE	NE	58.2	103.7	127.1	119.5	408.5	10	....	N.	10	....	N.-cf. ENE
18..	N	NE	NE	NE	NE	NE	71.6	117.5	121.9	90.3	401 3	10	Ci.	Cu. NE	9	A.-Cu. E	Cu.
19..	N	NNE	NE	NE	NE	NE	54.4	83.7	132.3	109.6	380	8	Ci.-Cu.	Cu. NE	7	Ci.-Cu.	Cu.
20..	N	NNE	NE	NE	NE	NE	60.7	101.7	135.2	125.9	423.5	4	A.-Cu.	Cu.	2	Ci.	Cu.
21..	N	N	NE	NE	NE	N	48.3	76.6	128.1	71	324	10	Ci. WNW	Cu.	7	Ci.	Cu.
22..	N	N	SW	NE	NE	NE	77.4	48.5	94.7	63.6	284.2	2	A.-Cu.	Cu.	1	Ci.	Cu.
23..	NE	NNE	SW	S	NE	NE	57.1	39.1	59.7	83.1	239	1	A.-Cu.	Cu.	4	Ci.-Cu.	Cu.
24..	NE	Calm	NE	NE	NE	N	46.8	72	139.2	85.3	343.3	10	Ci.	Cu. E	3	A.-Cu.	Cu.
25..	Calm	N	NE	NE	NE	NE	43.5	64.8	148.9	100.7	357.9	10	Ci.-S.	Cu.	10	Ci.-Cu. ENE	Cu.
26..	N	N	NE	NE	Calm	N	76.8	107.3	101.7	66.5	352.3	3	Ci.	Cu.	10	....	N.-cf. ENE
27..	N	N	NE	NE	NE	NE	59	120	119.6	104.9	403.5	2	Ci.	Cu.	3	Ci.	Cu.
28..	NE	NE	NE	NE	NE	NE	53.8	110.7	144.8	67.9	377.2	10	....	N.-cf. ENE	10	....	N.-cf. ENE
29..	N	N	NE	NE	NE	NE	68.2	130.9	130.9	67.8	397.8	9	Ci.-Cu. W	Cu.	3	Ci.	Cu.
30..	NE	NE	NE	NE	NE	N	44.3	108.9	148.5	80.2	381.9	10	Ci.-Cu.	N.-cf. ENE	7	Ci.	Cu.
31..	N	N	NE	NE	NE	E	58.4	86.3	128.7	82.9	356.3	10	Ci.-S. S	Cu.	7	Ci.-Cu.	Cu.
Mean	.....	....	....	....	....	....	60.2	99.1	131.8	87.7	378.8	7.8	....	....	7.4	....	....
Total	......	....	....	....	....	....	.....	.....	.....	.....	11,741.3	....	....	....	....	....	....

CEBU

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 9 meters; gravity correction not applied, —1.84 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.38	60.08	60.99	58.47	59.72	61.03	59.94	26.6	26.6	28.6	29.9	29	28.3	28.2	30.4	26.4	82	80	70	62	71	71	72.7	....
2..	59.44	60.17	61.59	59.32	60.01	61.38	60.32	26	25	29.9	30	29	27.1	27.8	31	24.6	79	80	60	53	59	63	65.7	....
3..	60.53	60.50	60.64	58.87	58.87	60.07	59.91	26.1	25.1	28.6	29.5	28.3	26.8	27.4	30.5	24.8	72	76	66	62	66	73	69.2	....
4..	58.99	59.75	61.16	58.71	58.87	60.64	59.69	25.5	25	28.8	30.1	28.5	26.2	27.4	31.5	24	77	80	61	47	61	70	66	....
5..	60.37	60.46	61.34	58.86	59.33	61.31	60.28	25.1	24	29.9	30.5	28.6	27.2	27.6	31	23.7	76	79	57	56	68	68	67.3	....
6..	60.54	60.77	61.64	59.02	59.73	61.21	60.48	25.4	24.3	30.1	30.5	28.6	27.4	27.7	31	23.7	76	78	59	55	71	74	68.8	....
7..	60.03	60.74	60.53	58.12	58.41	59.82	59.61	26.6	26	29.4	29.4	29.1	27.1	27.9	31.5	25	76	79	65	63	65	70	69.7	....
8..	58.35	58.44	58.67	56.47	57.27	58.44	57.94	25.5	25.1	30.9	30.4	29.1	27.4	28.1	32.5	24.6	78	79	56	63	68	76	70	0.6
9..	56.96	57.83	58.82	56.47	57.28	59.21	57.76	25.5	26	29.5	30.5	29.2	27.5	28	31.4	25.4	88	84	64	59	64	72	71.8	....
10..	57.45	58.20	59.02	56.77	57.79	58.94	58.03	26.6	25.6	30.6	31	29	28.4	28.5	31.1	25.2	73	79	63	58	72	72	69.5	....
11..	58.42	58.83	59.87	56.77	57.29	59.11	58.38	26.7	26.5	29	30.5	29.2	28.4	28.4	32	25.9	77	81	71	64	72	72	72.8	....
12..	58.47	58.94	59.58	57.37	57.44	58.89	58.45	26.4	25.5	29.5	30.5	29.4	27.9	28.2	31.5	25.2	74	80	68	59	60	70	68.5	.3
13..	58.10	58.89	60.07	57.17	57.58	59.81	58.60	26.5	25.5	29.4	29.5	29.2	28	28	30.8	24.9	76	87	66	64	66	73	72	3.1
14..	58.43	58.59	60.12	58.25	59.02	60.68	59.18	25.6	26	29.5	32	29	27.5	28.3	32.1	25.2	87	84	67	54	68	74	72.3	....
15..	59.43	60.19	60.75	58.55	58.95	61.21	59.85	25.9	25.6	29.9	30.3	29.4	28	28.2	31.5	25.2	82	84	65	62	68	74	72.5	....
16..	60.23	60	60.75	58.45	58.61	60.14	59.70	26.5	25.6	29.5	31	29.5	28.4	28.4	31.2	25.2	76	79	58	56	64	73	67.7	....
17..	58.64	59.32	59.94	57.92	57.88	59.57	58.88	26.5	26	29.4	30.6	29.5	27.6	28.3	31.8	25.7	77	80	63	55	63	73	68.5	....
18..	58.52	59.17	60.45	58.23	58.15	59.62	59.02	26.4	26	29.5	31	29.8	28	28.4	31.8	25.2	77	79	59	46	55	70	64.3	....
19..	59.04	60.03	61.02	58.95	59.37	61.19	59.93	26.5	27	29.6	30.5	29.6	28.1	28.6	31.4	25.6	77	77	61	65	63	72	69.2	....
20..	60.57	61.02	61.67	59.70	59.71	61.79	60.74	27.3	26.9	30	30.6	30.2	27.9	28.8	31.5	26	77	80	59	59	59	71	67.5	....
21..	60.83	61.08	61.13	58.95	59.35	61.26	60.43	26.5	26	30.4	30.6	29.8	27.4	28.4	31.5	25.5	76	78	60	57	58	71	66.7	....
22..	59.93	60.15	61.01	58.76	59.18	60.61	59.94	26.6	26	31	30	29	27.5	28.4	31.5	25.7	76	76	57	61	67	76	68.8	....
23..	59.99	60.74	61.58	58.76	59.55	61.51	60.36	26.3	26	29.4	30	29.1	28.1	28.2	31.8	25.8	79	80	62	62	66	73	70.3	....
24..	60.42	60.79	61.35	59.12	59.65	61.59	60.49	26.6	27	29.8	31	29.8	28.4	28.8	31.4	25.9	77	73	55	50	57	68	63.3	....
25..	60.12	60.60	61.17	58.75	59.26	60.84	60.12	26.5	26.1	30	30.5	29.5	28.1	28.4	31.1	25.8	77	81	62	59	68	74	70.2	....
26..	59.32	60.20	60.82	58.13	58.87	60.17	59.58	26.5	25.9	31	31	29.4	27.6	28.6	31.7	25.5	78	81	59	53	68	73	68.7	....
27..	58.73	59.27	59.57	57.17	57.51	59.18	58.57	26.5	27	30.6	30.7	29.2	27.8	28.6	31.1	26.2	79	77	62	60	63	71	68.7	....
28..	58.04	58.65	59.18	57.96	58.07	59.53	58.57	27	27	29.2	27.6	27.6	27	27.6	30	26.6	77	80	67	76	76	77	75.5	....
29..	58.30	58.73	59.78	57.84	58.36	60.65	58.94	26.5	26.6	29.4	29.5	27.5	26	27.6	30.9	25.4	79	78	66	70	75	87	75.8	1.3
30..	59.43	59.45	60.33	58.11	58.10	59.84	59.21	26	25.9	29	30.1	29.7	28.5	28.2	31.2	25.1	82	81	63	59	64	72	70.2	....
Mean	59.23	59.72	60.48	58.20	58.64	60.31	59.43	26.3	25.9	29.7	30.3	29.1	27.7	28.2	31.3	25.3	77.9	79.7	62.4	59	65.5	72.4	69.5	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	E	NE	NE	NE	SE	45.3	87.1	140.2	56.7	329.3	10	....	N.-cf. SE	5	Ci.-S.	Cu.
2..	NE	Calm	Calm	NE	NE	N	52	36.1	130.9	67.6	286.6	10	Ci.-S. S	Cu.	10	Ci.-S. SSW	Cu.
3..	N	N	NE	NE	NE	N	57.9	83.4	125.9	61.5	328.7	10	Ci.-Cu. SSE	Cu.	10	....	N.-cf. ENE
4..	N	Calm	SE	NE	NE	NE	39.4	53.6	132	63	288	10	Ci.	Cu. E	10	Ci.	Cu.
5..	N	N	NE	NE	NE	NE	67.6	52	130.7	78.1	328.4	7	Ci.	Cu.	7	Ci.-Cu. S	Cu.
6..	NE	N	S	NE	NE	NE	43.5	54.6	139.5	79.5	317.1	7	Ci.-S.	Cu.	10	Ci. SE	Cu.
7..	NE	Calm	S	NE	NE	N	47	49.3	130.7	91.2	318.2	7	Ci.-S.	Cu. ENE	10	Ci.-S. SE	Cu.
8..	NE	NNE	NE	NE	NE	NE	58.6	106.1	140	88.5	393.2	5	Ci.	Cu.	10	....	N.-cf. ENE
9..	N	N	NE	NE	NE	N	67.3	112.5	149.1	91.6	420.5	10	Ci.-Cu. E	Cu.	10	Ci.-S. S	Cu.
10..	NE	NE	NE	NE	NE	NE	59.5	92.8	165.9	96.6	414.8	10	Ci.-S.	Cu. E	10	Ci.-S.	Cu.
11..	N	Calm	NE	NE	NE	NE	39.4	101.4	141.9	108.1	390.8	4	Ci.-S.	Cu.	10	Ci.-S. NE	Cu.
12..	N	N	NE	NE	NE	NE	52.6	63	135	168.8	419.4	10	Ci.-S.	Cu. ENE	3	Ci.	Cu.
13..	NE	E	E	NE	NE	NE	96.1	67.3	133.6	103.7	400.7	10	A.-Cu.	N.-cf. SE	10	A.-Cu. SE	Cu.
14..	Calm	N	NE	ENE	SE	E	42.8	85.8	108.9	43.4	280.9	6	A.-Cu.	Cu. ENE	10	Ci.-Cu.	Cu.-N.
15..	NE	NE	NE	NE	NE	NE	38.3	80.1	141.3	60.4	320.1	8	A.-Cu.	Cu. E	6	Ci.-Cu.	Cu.
16..	NE	N	NE	NE	NE	NE	47.9	87.7	127.1	101.7	364.4	1	A.-Cu.	Cu.	6	A.-Cu. E	Cu.
17..	N	NE	NE	NE	NE	N	71.8	109.2	115.3	67.2	363.5	1	A.-Cu.	Cu.	2	Ci.	Cu.
18..	NE	N	NE	NE	NE	NE	71.2	97.9	129.3	94	392.4	2	Ci.	Cu.	2	Ci.	Cu.
19..	N	N	NE	NE	NE	NE	49.7	94.9	130.9	85.7	361.2	4	A.-Cu.	Cu.	7	A.-Cu. E	Cu.
20..	NE	Calm	NE	NE	NE	NE	39	96.8	144.3	105.4	385.5	10	A.-Cu.	N.-cf. ENE	10	Ci.-S.	Cu. ENE
21..	N	N	NE	NE	NE	N	65.7	105.2	131.4	81.5	383.8	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
22..	N	N	NE	NE	NE	N	60.7	107	158.7	94.9	421.3	10	Ci.-S. SE	Cu.	10	A.-Cu. E	Cu.
23..	N	N	NE	NE	NE	N	55.7	79.4	125.2	56.7	317	10	Ci.-S. SE	Cu.	10	Ci.	Cu.
24..	N	N	NE	NE	NE	NE	58.4	86.6	135.7	118.8	399.5	2	Ci.	Cu.	7	Ci.	Cu.
25..	NE	Calm	NE	NE	NE	Calm	28.2	87.2	133.9	54.3	303.6	10	Ci.-S.	Cu. ENE	10	Ci.-S. ESE	Cu.
26..	N	Calm	S	NE	NE	N	45.6	44.8	139.4	88.5	318.3	10	Ci.-S. ESE	Cu.	10	Ci.-S. ESE	Cu.
27..	N	N	NE	NE	NE	N	65.2	86.9	155	64	371.1	10	Ci.	Cu.	10	A.-Cu. E	Cu.
28..	N	N	NE	NE	NE	NE	51.9	105.9	136.8	84	378.6	10	....	N.-cf. ENE	10	....	N.
29..	Calm	Calm	NE	NE	NE	N	16.1	77.7	171.9	68.9	334.6	10	A.-Cu.	S.-Cu. E	10	A.-Cu.	N.-cf. ENE
30..	N	N	NE	NE	NE	NE	56.2	105.4	120.7	109.1	391.4	10	Ci.-S.	Cu.	4	Ci.	Cu. ENE
Mean	......	......	......	......	......	......	53	83.3	136.7	84.4	357.4	7.8	....	....	8.3	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	10,722.9	....	....	....	....	....	....

CEBU

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 9 meters; gravity correction not applied, —1.84 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a m.	6 a m.	10 a m	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.12	59.77	60.09	57.67	58.26	59.86	59.13	26.3	25.4	29.8	30.5	29.4	27.5	28.2	31.4	24.9	74	73	56	56	63	73	65.8	....
2..	59.08	59.62	60.23	57.77	58.11	60.25	59.18	26.4	26.1	29.5	30.8	29.8	28.5	28.5	31	25.5	79	81	64	52	61	69	67.7	....
3..	59.14	59.10	59.82	57.83	57.84	59.84	58.93	26.4	26	29.9	30.3	29.3	28.5	28.4	31.9	25.2	75	76	63	64	63	72	68.8	....
4..	58.68	58.84	59.57	58.15	58.28	59.92	58.91	26.5	26.5	31	31.1	30.1	29	29	32.5	26	76	76	55	54	60	72	65.5	....
5..	59.49	59.95	60.88	59.25	59.27	60.53	59.90	27.7	26.6	29	30.5	29.7	28.7	28.7	31.5	26.4	77	81	72	65	63	71	71.5	....
6..	59.72	60.04	60.33	58.20	58.93	60.28	59.58	27	26.4	29.5	30.3	29.1	28.3	28.4	31	25.6	77	79	67	61	74	72	71.7	....
7..	58.83	59.34	60.10	57.76	58.06	59.29	58.90	27.5	26.9	30	32	30	28.3	29.1	32.6	26.5	77	78	61	55	62	70	67.2	....
8..	58.32	58.39	59.56	57.71	58.26	60.28	58.75	27.1	26.5	30	31	29.7	28.6	28.8	32	26	77	80	59	53	64	73	67.7	....
9..	59.22	59.53	59.78	57.70	57.91	59.78	58.99	26.9	26	30.2	31.5	29.6	28.5	28.8	32.5	25.6	77	81	55	52	64	75	67.3	....
10..	58.61	58.68	59.57	57.19	57.15	58.84	58.34	27.1	26.5	30.6	31.5	29.8	28.4	29	32	26	76	80	59	54	62	70	66.8	....
11..	57.84	58.13	58.75	56.75	57.23	59.05	57.96	27.5	27.1	30	31.5	30.4	29	29.2	33.1	26.9	77	80	66	59	60	67	68.2	20.3
12..	58	58.53	59.06	56.65	56.80	58.77	57.97	27.6	26.1	30.5	32.6	30	29	29.3	33.3	23.4	76	87	64	57	67	74	70.8	....
13..	58.02	58.38	59.10	56.84	56.99	58.75	58.01	27.2	27	30.9	31.5	30.5	29.5	29.4	32.5	26.5	83	84	59	54	64	71	69.2	....
14..	58.02	58.15	59	56.74	57.01	58.48	57.90	27.4	27.4	29.5	31.6	30.4	29.1	29.2	32.5	26.9	78	78	74	57	65	71	70.5	....
15..	57.56	57.60	58.76	56.25	56.32	57.93	57.40	28	26.7	29.7	31.9	29.9	29.5	29.3	32	26.4	76	83	70	65	73	72	73.2	....
16..	57.23	57.45	58.20	55.76	56.15	58.09	57.15	28.4	28	29.6	30.6	31	28.4	29.3	31.5	27.5	80	82	71	69	65	71	73	....
17..	57.32	57.67	57.93	55.66	56.62	58.42	57.27	27.9	26.8	32.5	31.9	30.4	29.1	29.8	33.5	26.5	75	83	57	54	68	70	67.8	....
18..	56.97	58	58.40	55.91	56.47	58.42	57.36	27.5	28.1	29.7	30.2	30	29.4	29.2	31.5	27.4	77	82	72	70	73	74	74.7	4.6
19..	57.79	58.59	58.77	56.77	56.97	59.07	57.99	27.4	26.6	30.5	31	30.4	30	29.3	32.1	26.2	84	86	69	71	70	70	75	....
20..	58.47	59.37	59.86	57.11	57.84	59.43	58.68	28.6	25.9	30.9	31	29.5	28.8	29.1	33.1	23.6	78	88	63	69	76	79	75.5	20.3
21..	58.88	59.68	60.05	57.81	58.42	59.87	59.12	27.8	27.5	32.2	32	30.5	29.4	29.9	33	26.6	83	84	63	60	68	72	71.7	....
22..	58.71	58.82	59.15	57.48	57.90	59.24	58.55	27.8	27	31.6	32.8	30.6	29.8	29.9	33.1	26.3	79	80	65	49	62	69	67.3	....
23..	58.46	58.93	59.48	57.41	58.12	59.44	58.64	28	27.3	28.5	32	29.4	28.4	28.9	32.4	27	77	86	80	64	76	80	77.2	2.3
24..	58.67	58.93	60.07	57.88	57.80	59.44	58.80	27	26.7	29.5	30.6	29.8	28.1	28.6	31.5	26.5	83	86	75	68	73	80	77.5	8.9
25..	58.54	59.31	60.01	57.50	58.33	59.46	58.86	27.3	27.1	29.3	32.5	30.5	29	29.3	33.8	26.5	86	87	72	64	69	75	75.5	....
26..	58.49	58.63	59.07	56.74	56.97	59.06	58.16	28.2	27.1	30	32	30.4	29.2	29.5	33.7	26.6	79	86	69	59	69	76	73	....
27..	57.94	57.53	58.11	55.65	56.07	58.05	57.22	28.4	27.9	30.5	31.5	30	29.2	29.6	32.7	27.4	80	82	66	65	72	76	73.5	....
28..	57.04	57.47	58.03	56.05	56.65	58.78	57.34	28.6	28.1	29.9	32	30.1	25.7	29.1	32.9	24.4	80	80	71	58	71	88	74.7	6.6
29..	56.86	57.11	57.99	55.95	56.11	58.47	57.08	26.3	26	30	31.9	30.5	25.4	28.4	32.7	25.2	86	88	66	55	67	92	75.7	12.7
30..	57.46	57.84	58.27	56.61	56.93	59.07	57.70	26.9	25.5	29	31.6	28.9	28.5	28.4	32.5	24.5	84	90	78	60	72	82	77.7	37.6
31..	58.94	59.18	59.76	57.94	57.71	58.92	58.74	25.2	23.5	29.1	31.8	29.9	27.8	27.9	33.5	22.4	91	96	70	64	67	75	77.2	....
Mean	58.30	58.66	59.28	57.12	57.47	59.20	58.34	27.4	26.7	30.1	31.4	30	28.6	29	32.4	25.9	79.3	82.7	66.2	59.9	67.2	74.2	71.6	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	113.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	N	NE	NE	NE	N	58.9	98.2	127.1	83.7	367.9	1	Ci.	Cu.	4	Ci.-Cu.	Cu.
2..	N	N	NE	NE	NE	NE	70.1	126.1	155.4	121	472.6	10	Ci.-S.	Cu.	2	Ci.	Cu.
3..	N	N	NE	NE	NE	NE	67.9	101.2	129.2	118	416.3	3	Ci.-S.	Cu.	10	Ci.-S.	Cu.
4..	NE	N	NE	NE	NE	NE	58.9	96.6	142.7	146.2	444.4	10	Ci.-S. W	Cu.	4	Ci.	Cu.
5..	NE	NE	NE	NE	NE	NE	72.1	118.3	117	141.3	448.7	10	Ci.-S.	Cu.	10	A.-Cu. E	Cu.
6..	N	N	NE	NE	NE	E	72.4	123.1	163.6	87.7	446.8	10	Ci.	Cu. E	10	A.-Cu. E	Cu.
7..	Calm	N	NE	NE	NE	N	48	90.6	134.5	85.5	358.6	10	Ci. NE	Cu.	10	Ci.	Cu.
8..	N	N	NE	NE	NE	N	58.6	100.9	137.1	94	390.6	10	Ci. NNW	Cu.	4	Ci.	Cu.
9..	N	N	NE	NE	NE	NE	39.3	76.4	121.7	80.7	318.1	10	Ci.-S.	N.-cf. E	2	Ci.	Cu.
10..	NE	Calm	NE	NE	NE	NE	52.5	58.4	132	70	312.9	3	Ci.	Cu.	3	Ci.	Cu.
11..	E	Calm	S	SE	NE	E	49.9	32.7	67.9	53.9	204.4	10	Ci.-S. W	Cu.	8	Ci.	Cu.-N.
12..	E	Calm	S	E	NE	E	52.6	44.6	107.3	45	249.5	10	....	Cu.-N.	3	Ci.	Cu.
13..	N	Calm	ENE	NE	NE	E	28.6	74.1	120.5	48.3	271.5	10	Ci.	Cu. NE	7	Ci.	Cu.
14..	NE	NE	S	NE	NE	NE	30.6	59	106.4	52.3	248.3	10	Ci.-S. W	Cu.	10	Ci.-S.	Cu.
15..	Calm	Calm	S	S	S	Calm	21.2	39.7	64.1	15.1	140.1	10	Ci.-S.	Cu.	8	Ci.	Cu.-N.
16..	Calm	Calm	S	SW	Calm	NW	29.9	36.9	50.1	36.2	153.1	10	Ci.-S.	Cu.-N. NE	9	Ci.	Cu.-N.
17..	Calm	NNE	NE	NE	SW	W	29.9	35.1	90.9	22	177.9	10	....	Cu.-N.	7	Ci.	Cu.-N.
18..	SW	Calm	S	S	S	SW	35.3	48	80.2	39.6	203.1	10	....	Cu.-N.	10	Ci.	Cu.-N.
19..	W	WSW	S	S	S	E	39.6	52.5	64.8	49.4	206.3	10	Ci.-S.	Cu.-N.	7	Ci.	Cu.
20..	Calm	NE	Calm	SE	NE	NE	22.5	41.5	59.9	47.2	171.1	10	....	Cu.-N.	10	....	Cu.-N.
21..	Calm	Calm	NE	NE	NE	E	22.1	49	107.5	65	243.6	10	Ci.-S.	Cu. E	10	Ci.	Cu.
22..	NE	N	E	NE	NE	E	40.2	54.1	99.6	51	244.9	10	Ci.-S. S	Cu.	3	Ci.	Cu.
23..	N	N	NE	SE	NE	Calm	43.1	66.5	68.4	30.8	208.8	10	Ci.-S.	Cu.-N. NE	10	Ci.-S.	Cu.-N.
24..	N	N	Calm	Calm	Calm	NW	37.1	50.3	53.3	29	169.7	10	A.-Cu.	Cu.-N.	10	Ci.-S.	Cu.
25..	NW	SW	S	ESE	NE	W	26.2	32.9	72.5	42.8	174.4	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
26..	S	Calm	S	NE	SW	W	31.3	25.9	78.3	78.8	214.3	10	Ci.-S.	Cu. SW	10	Ci.	Cu.-N.
27..	W	Calm	SSW	S	SW	S	46.4	56.8	107.8	87.4	298.4	7	Ci.-S.	Cu.	7	Ci.	Cu.-N.
28..	Calm	Calm	S	S	S	W	17.4	63.3	58.1	72.4	211.2	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
29..	W	NW	NE	NE	NE	NW	30.1	50.4	110.2	70.5	261.2	10	Ci.-S.	Cu. SE	10	Ci.	Cu.
30..	SE	N	Calm	S	S	Calm	49.2	31.3	61.4	25.1	167	10	....	N.-cf.	10	A.-Cu.	Cu.-N.
31..	Calm	Calm	Calm	NE	NE	N	55.2	15.1	59.5	61.2	191	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
Mean	......	......	......	......	......	......	43.1	62.9	98.4	66.2	270.5	9.2	....	....	7.7	....	....
Total	......	......	......	......	......	......	......	......	......	......	8,386.7	....	....	....	....	....	....

CEBU

[φ=10° 18′ N; λ=123° 54′ E; barometer above sea, 9 meters; gravity correction not applied, −1.84 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.52	59.04	59.67	57.72	57.65	58.57	58.53	26.8	26.5	30.3	31.4	30.2	28.5	29	31.9	26	81	80	68	57	67	78	71.8	....
2..	57.67	57.64	58.46	55.92	56.36	57.97	57.34	27.4	27.4	30.8	32	30.7	29	29.6	32.5	26.6	78	78	59	58	62	71	67.7	....
3..	56.94	57.10	57.73	55.75	56.81	58.08	57.07	27.6	27.5	30.5	31	30	28	29.1	31.8	26.5	80	81	69	67	73	77	74.5	....
4..	56.94	57.30	58.02	56.05	56.71	58.17	57.20	27.5	27	29.8	32	30.4	28.4	29.2	32.4	26.2	81	84	75	63	68	79	75	2.8
5..	57.59	58.35	58.86	57.37	58.47	59.33	58.33	26.9	27.9	29.5	30.8	25.5	26.2	27.8	32.3	24.2	84	78	78	62	88	84	79	6.1
6..	58.23	58.53	59.37	57.90	58.83	59.98	58.81	25.9	26	29.5	30.6	27.2	26.5	27.6	31.6	25	84	84	71	68	83	89	79.8	2.3
7..	58.98	58.84	58.98	57.12	57.92	59.44	58.55	25.7	26.1	29	32	30	23.8	27.8	32.5	22.9	90	84	74	60	69	97	79	22.1
8..	57.74	57.38	58.24	57.37	56.64	57.74	57.52	25.5	27.1	27.9	25.5	26.5	26.5	26.5	28.1	25	87	77	76	93	84	81	83	11.2
9..	55.84	56.20	56.92	56.07	56.44	57.93	56.57	26.4	27.5	29.1	28.9	28.8	26.1	27.8	29.7	25	81	71	74	72	73	87	76.3	18.8
10..	57.13	56.90	57.82	56.80	57.14	58.37	57.36	26	26.6	29.4	25	27	28.1	27	29.9	24.3	85	77	72	90	80	77	80.2	5.3
11..	57.37	57.43	58.05	56.56	57.24	58.94	57.60	27.7	28.1	28.9	29.6	28.7	28.5	28.6	29.7	27.3	76	73	75	74	72	71	73.5	....
12..	57.52	57.48	58.69	56.86	57.34	59.23	57.85	28	27.7	28.9	29.9	29.5	28.4	28.7	30.5	27.2	74	83	75	73	64	76	74.2	....
13..	57.93	58.65	59.19	57.62	58.02	59.47	58.48	27	26.6	29	30	29.3	28.4	28.4	31.2	26	72	78	76	67	66	70	71.5	....
14..	58.34	58.77	59.27	57.38	57.67	59.27	58.45	26.3	26.8	29.4	30.7	29.5	28.5	28.5	31.1	25.9	82	81	72	60	71	70	72.7	....
15..	58.74	59.07	58.82	57.35	57.60	59.85	58.57	26.9	27.5	29.7	31.5	29.9	28.9	29.1	31.8	25.5	78	70	69	60	68	74	69.8	.8
16..	58.92	59.07	59.33	57.72	58.22	60.08	58.89	27.1	26.5	29.5	31.1	30	26.5	28.4	31.7	26.1	81	81	72	64	76	81	75.8	1.8
17..	59.08	59.34	59.42	57.56	58.17	59.27	58.81	26	26	29.5	31.2	29.8	27.3	28.3	32.4	25.3	85	85	68	64	70	81	75.5	....
18..	58.35	58.49	58.67	56.88	57.37	58.34	58.02	26.7	26.6	29.1	31	29	27.5	28.3	31.1	26.4	83	84	67	63	79	84	76.7	....
19..	56.97	57.44	57.56	56.44	57.52	58.97	57.48	27.8	27	29.5	27.5	27	25.5	27.4	29.9	24.9	75	80	74	77	81	87	79	15.2
20..	57.65	57.45	58.36	57.08	57.97	59.33	57.97	26.6	26.6	28.9	30	29	24.2	27.6	30.1	23.7	78	77	62	64	71	86	73	4.6
21..	58.35	58.82	59.59	57.71	58.30	59.93	58.78	26.4	26	29	30.1	29.9	28.9	28.4	31.2	25.1	79	81	68	70	67	68	72.2	....
22..	59.06	59.82	59.86	58.30	58.57	59.78	59.23	27.9	26.9	29.8	31.1	28	28	28.6	31.5	25.9	74	80	66	62	83	77	73.7	.8
23..	58.03	58.46	59.03	57.82	58.65	59.59	58.60	27.3	25.9	29.4	32.1	30.2	28.5	28.9	32.2	25.4	77	78	68	60	71	75	71.5	....
24..	58.59	58.78	58.62	57.42	58.42	59.74	58.60	27	27	29	30.4	24.6	25.1	27.2	30.5	24.1	81	81	78	65	92	92	81.5	9.7
25..	58.01	57.84	58.07	56.58	57.04	58.14	57.61	26.2	26.6	29.3	27.1	26.2	26.3	27	29.5	25	82	80	66	81	87	78	79	2.3
26..	57.20	57.21	57.97	56.64	57.03	58.36	57.40	26.1	25.9	27.1	28.9	28	26.5	27.1	29	25	79	81	73	68	77	80	76.3	.5
27..	57.66	58.10	58.51	57.27	57.65	59.43	58.10	26.5	25.5	29	30.6	29.8	28	28.2	32.5	25.2	76	80	74	68	73	77	74.7	.5
28..	58.90	59.32	59.43	57.82	58.06	59.47	58.83	26.8	26.1	31.2	32	29.8	27.5	28.9	33.4	25.8	83	87	64	58	67	78	72.8	8.1
29..	58.37	59.54	59.48	57.46	57.62	58.18	58.44	26.8	25	28.6	29.6	29.7	26.7	27.7	31.4	24.4	77	95	73	67	63	78	75.5	.3
30..	56.83	56.85	57.06	55.56	55.53	56.06	56.32	26.3	27	29.9	29.4	28.3	26.4	27.9	30.6	24.5	78	78	66	72	79	84	76.2	12.5
Mean	57.92	58.17	58.64	57.07	57.57	58.90	58.04	26.8	26.7	29.4	30.1	28.8	27.2	28.2	31.1	25.3	80	80.2	70.7	67.6	74.1	79.6	75.4	....
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	125.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	N	N	NE	NE	NE	N	55	62.2	101.6	55	273.8	9	Ci.	Cu. NE	5	Ci.	Cu.
2..	NE	N	NE	NE	NE	N	42.8	73.2	116.7	57.8	290.5	3	A.-Cu.	Cu.	3	Ci.	Cu.
3..	Calm	Calm	S	Calm	Calm	NW	25.6	41.5	58.4	29.1	154.6	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
4..	SW.	Calm	S	S	S	Calm	38.5	55	61.9	52.8	208.2	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
5..	SW	SW	S	E	Calm	Calm	74.8	71	64.4	21.3	231.5	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
6..	W	Calm	S	S	SW	Calm	33.2	31.9	73.2	38.3	176.6	10	A.-Cu. NE	Cu.	10	....	Cu.-N.
7..	Calm	NW	S	S	S	Calm	36.9	45.9	81.8	64	228.6	10	Ci.-S.	Cu.-N.	10	A.-Cu.	Cu.-N.
8..	W	SW	SW	Calm	SW	SW	123.6	51	33.4	128.1	336.1	10	....	Cu.-N.	10	....	N.
9..	SW	SW	SW	SW	SW	S	130.6	280	244.7	191.6	846.9	10	....	N.-cf.	10	A.-Cu.	N.-cf.
10..	SW	SW	SW	S	W	SW	121.3	142	130.2	146.2	539.7	10	....	N.-cf.	10	....	Cu.-N.
11..	SW	SSW	SW	SSW	SW	SW	192.1	306.7	222.4	127.6	848.8	10	A.-Cu.	N.-cf. SW	10	A.-Cu.	N.-cf.
12..	SW	S	SW	SW	W	SW	144.9	126.1	109.4	127.9	508.3	10	....	N.-cf.	10	Ci.-S.	Cu.
13..	SW	SW	SW	SW	SW	SW	73.9	123.6	161.8	67.2	426.5	10	A.-Cu.	Cu. SW	10	....	Cu.-N.
14..	W	WSW	SW	SW	SW	W	45.6	94	168.5	78.1	386.2	4	A.-Cu.	Cu. SW	3	Ci.	Cu.
15..	Calm	SW	S	SW	SW	S	36.1	82	169.7	80.1	367.9	10	Ci.-S.	Cu.	5	Ci.	Cu.
16..	SW	SW	S	SW	SW	N	41.2	93.5	149.2	54.4	338.3	6	Ci.-S.	Cu.	8	Ci.	Cu.
17..	NW	Calm	SE	NE	S	Calm	25.1	33.5	49	42.1	149.7	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
18..	W	W	S	S	SW	Calm	39.9	74	110.4	46.8	271.1	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
19..	SW	Calm	SW	SW	SW	N	37.1	136	132.3	45.9	351.3	10	....	N.-cf.	10	....	N.
20..	W	SW	WSW	SSW	SW	NW	90.4	129.3	139.3	58.7	417.7	10	....	N.-cf.	7	Ci.-Cu.	Cu. WSW
21..	W	Calm	S	SW	SW	SW	42.3	105.2	154.3	71	372.8	3	Ci.-Cu.	Cu.	7	Ci.	Cu.
22..	SW	Calm	S	S	NW	SW	78.9	82.4	65.2	76.1	302.6	10	Ci.-Cu.	Cu.	10	Ci.-S.	Cu.
23..	W	NW	S	SW	SW	NE	37.1	66.3	77.5	24.3	205.2	9	Ci.	Cu.	10	Ci.-S.	Cu.-N.
24..	SE	SW	SW	SW	Calm	Calm	50.3	135.9	110.2	33	329.4	7	Ci.-S.	Cu.-N.	10	....	Cu.-N.
25..	SW	SW	SW	SW	SE	SW	86.8	145.5	91.7	95.5	419.5	10	Ci.-Cu.	Cu.-N.	10	....	N.
26..	W	WSW	SW	S	SW	Calm	86	132.7	92.9	34.5	346.1	10	....	N.-cf. SW	10	A.-Cu.	N.-cf.
27..	W	Calm	SSW	S	S	Calm	33.8	47.2	51.5	10.5	143	10	A.-Cu.	Cu. SW	4	Ci.	Cu.
28..	Calm	N	SE	NE	NE	Calm	38	36.7	85	40.9	200.6	7	Ci.-Cu.	Cu.	2	A.-Cu.	Cu.-N.
29..	NW	Calm	S	NW	N	Calm	56	47.7	59.5	38	201.2	10	....	N.	10	Ci.-S.	Cu.-N.
30..	NW	SW	S	E	S	NW	36.9	31.4	38	36.6	142.9	10	Ci.-S.	Cu.	10	....	N.-cf.
Mean	......	....	......	......	......	......	65.2	96.1	106.8	65.8	333.9	8.9	....	....	8.5	....	....
Total	......	....	......	......	......	......	......	......	......	......	10,015.6	....	....	....	....	....	....

CEBU

[φ=10° 18′ N; λ=123° 54′ E; barometer above sea, 9 meters; gravity correction not applied, —1.84 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	55.06	55.08	55.82	54.65	55.04	56.49	55.36	26	26.5	29	26.5	26.7	27.2	27	29.5	23.5	83	81	74	84	79	71	78.7	16
2..	56.53	57.15	58.18	57.34	58.17	60.14	57.92	27	25.5	28.4	29	29	24	27.2	29.2	22.6	73	82	70	71	72	98	77.7	88.4
3..	59.23	60.08	60.48	59.28	59.41	60.95	59.90	25	24.7	28.5	31	29.3	25.7	27.4	31.7	24	92	92	76	64	70	83	79.5	......
4..	60.22	60.28	60.16	58.71	58.65	60.34	59.73	25.6	25.5	29.2	30.5	29.8	27.5	28	31.8	22.6	81	84	76	67	66	84	76.3	15
5..	59.77	59.71	59.73	58.35	58.87	60.02	59.41	23.4	24.3	29.1	29.9	28.4	26	26.8	31.2	22.5	97	91	66	67	73	82	79.3	......
6..	59.22	59.29	59.54	57.89	59.35	60.67	59.33	25.2	25	28.8	31.3	28.2	26.5	27.5	31.7	24.2	83	86	72	63	77	88	78.2	......
7..	59.52	60.37	61.14	59.36	60.08	61.22	60.28	25.7	25	29.5	29.5	28.6	26.8	27.5	31.6	24.7	86	88	74	71	75	84	79.7	......
8..	60.21	60.52	60.74	59	59.22	60.51	60.03	25.3	26.2	29.3	31.5	30	27.8	28.4	33.7	24.7	81	79	69	60	65	81	72.5	......
9..	59.30	59.59	59.73	57.62	57.84	59.54	58.94	26.8	26.3	30	31	30.4	27.2	28.6	32.3	25	82	86	67	56	61	83	72.5	11.7
10..	58.68	59.20	59.48	57.52	57.96	59.80	58.77	25	26.1	28.7	30	28.8	27.2	27.6	30.5	23.3	89	85	75	69	77	84	79.8	20.3
11..	58.73	59.17	59.51	57.61	58.71	60.52	59.04	25.5	25.5	29.4	31.6	29.6	27.5	28.2	32.6	24.4	89	86	70	55	70	81	75.2	......
12..	59.27	59.60	60.21	58.17	58.47	59.86	59.26	26.6	26.6	32	31.5	29.5	28	29	32.7	26.1	83	80	58	58	76	80	72.5	......
13..	58.57	58.83	59.83	58.32	58.47	60.15	59.03	26.8	26.2	29.5	30.4	29.6	27	28.2	30.8	25.2	83	81	73	68	70	84	76.5	1.3
14..	58.89	58.96	59.42	57.52	58.49	59.77	58.84	26.2	25.8	29.2	30.8	25.6	25.8	27.2	31.2	25	84	84	70	65	84	85	78.7	4.9
15..	58.82	58.88	58.34	56.86	57.02	59.10	58.17	25.6	25	28	30.5	29.8	27.3	27.7	30.7	24.4	88	90	79	62	65	79	77.2	......
16..	57.81	58.49	58.47	56.82	57.88	59.22	58.12	26.5	25.8	28.6	29.8	27.5	27.3	27.6	30.3	25.5	82	85	71	69	75	82	77.3	......
17..	58.25	58.67	59.02	57.53	58.77	59.59	58.64	25.8	25.4	29.5	29.8	24.7	25	26.7	30.2	22.8	84	84	66	71	94	90	81.5	81.5
18..	58.66	57.86	58.28	57.02	57.08	58.55	57.91	24.8	24.5	29	28.4	29	27	27.1	30.6	24.1	93	90	72	66	74	77	78.7	.5
19..	57.36	56.86	56.97	55.47	55.94	57.64	56.71	25.4	25	29.7	27.4	24.8	25	26.2	30.4	24.3	87	87	70	78	87	89	83	5.8
20..	56.24	56.62	56.88	55.56	56.42	57.37	56.52	25.3	24.8	27.8	30	28.2	26.6	27.1	30.6	24.3	86	87	74	66	73	86	78.7	1.1
21..	56.59	56.05	57.09	55.49	56.20	58.07	56.58	25.6	25.2	25.4	27.4	27.8	26.3	26.3	29.5	24.5	91	88	93	80	73	86	85.2	9.9
22..	56.26	56.70	57.08	55.06	56.12	57.67	56.48	25.8	26.3	28.8	30.3	27.4	26.8	27.6	30.5	25.1	87	83	74	68	76	80	78	13.7
23..	56.44	56.87	57.04	55.33	56.13	58.19	56.67	25.5	25	28.5	26	28	27	26.7	29.4	23.8	93	95	78	94	72	75	84.5	22.6
24..	56.17	56.56	57.33	56.14	56.75	58.13	56.85	26.8	26.2	29.4	25.3	28.2	28	27.3	30.2	23.6	77	76	70	95	73	68	76.5	21.3
25..	57.12	57.15	57.89	56.19	56.07	57.64	57.01	27.2	26.4	29.2	30	29.2	28.2	28.4	30.4	25.8	70	77	71	67	68	66	69.8	......
26..	56.59	56.72	56.75	55.06	54.88	56.45	56.08	27.6	27.1	27.7	29	27.2	26.4	27.5	29.5	26	73	79	70	65	70	73	71.7	.8
27..	54.85	54.94	55.49	54.62	54.53	55.48	54.98	26.5	26.7	27.4	27.5	27.2	27.4	27.1	28.2	25.8	73	76	77	81	77	73	76.2	3.6
28..	55.56	55.50	56.89	55.24	55.79	56.50	55.91	24.8	24.8	27.6	27.8	26.5	27.3	26.5	28.2	24.4	89	82	74	69	76	73	77.2	.5
29..	55.98	55.43	55.29	53.96	54.64	55.77	55.18	27	27	29.5	29.8	29.7	29	28.7	30.7	26.7	70	77	70	77	69	67	71.7	......
30..	54.64	54.62	54.72	53.54	53.56	55.77	54.48	28.2	27.4	29.7	29.8	30	28.5	28.9	30.2	27	73	76	69	74	71	67	71.7	......
31..	55.32	55.37	55.73	54.33	54.85	57.32	55.49	28	27.3	29.3	30	31	28.6	29	31.4	26.5	70	73	77	70	56	63	68.2	......
Mean	57.61	57.78	58.17	56.63	57.14	58.66	57.67	26	25.8	28.9	29.5	28.4	27	27.6	30.7	24.6	83	83.5	72.4	70	73	79.4	76.9	......
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	318.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a, m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	W	WSW	SW	WSW	SW	SW	56.2	110.7	148	177.3	492.2	10	....	N.-cf.	10	....	N.-cf.
2..	SW	SW	SW	SW	SW	NW	223.5	233.4	268	92	816.9	10	....	N.-cf.	10	Ci.-S.	Cu.-N. WSW
3..	Calm	NNE	Calm	Calm	SW	NE	14.2	18.7	24.6	26	83.5	4	Ci.	Cu.	9	Ci.-S.	Cu.-N. SE
4..	Calm	Calm	Calm	NE	NE	Calm	12.1	21	82.4	34.5	150	7	Ci.-S.	Cu.	9	Ci.-S.	Cu.
5..	Calm	Calm	E	NE	Calm	NW	29.6	28.7	50.7	30.9	139.9	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N. E
6..	Calm	Calm	SW	S	S	Calm	23.1	15.9	48.2	22	109.2	10	Ci.-S.	Cu.	6	Ci.-Cu.	Cu.
7..	Calm	Calm	E	NE	NE	N	13.9	41	80.4	34.3	169.6	7	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N. E
8..	N	N	SW	S	NE	N	31.6	31.3	42	46.7	151.6	7	Ci.-S.	Cu.	7	Ci.-S.	Cu.
9..	N	NE	NE	NE	NE	N	54.4	47.3	83.4	54.9	240	7	Ci.	Cu.-N. ENE	7	Ci.	Cu.
10..	NW	NW	S	S	S	W	43.4	37.1	47.5	50.7	178.7	10	Ci.	Cu.	8	Ci.-S.	Cu.
11..	NW	NW	S	S	SW	Calm	40.1	39.9	59.5	38.6	178.1	7	Ci.-S.	Cu.	7	Ci.-S.	Cu.
12..	N	Calm	E	NE	SW	W	44.3	42.8	92.3	52.2	231.6	7	A.-Cu.	Cu.	5	Ci.-S.	Cu.
13..	Calm	Calm	S	SW	SW	S	32.7	34.3	55.9	42.3	165.2	7	Ci.	Cu.	9	Ci.-S.	Cu.-N. NE
14..	W	W	S	S	NW	N	59	43.1	67.3	40.2	209.6	7	Ci.	Cu.	5	Ci.	Cu.
15..	NW	Calm	SSW	SW	SW	NW	38.6	45.8	103	33.9	221.3	10	A.-Cu.	N.-cf.	7	Ci.-S.	Cu.
16..	NNW	Calm	S	S	NW	SSW	35.6	23.8	51.9	40.7	152	7	Ci.-S.	Cu.	6	Ci.-S.	Cu.-N. NW
17..	Calm	Calm	SSW	SSE	SW	Calm	38	92.7	57.8	22.5	211	6	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N. E
18..	N	NW	S	NW	Calm	NW	43.7	35.9	53.1	57.6	190.3	3	A.-Cu.	Cu.	7	Ci.-S.	Cu.
19..	NW	......	ESE	SW	W	N	33.7	40.2	93.3	43.4	210.6	7	Ci.-S.	Cu.	9	Ci.-S.	N.-cf.
20..	W	Calm	SW	NE	ESE	NE	46.8	30.3	47	30.3	154.4	7	Ci.-S.	Cu.	7	Ci.-S.	Cu.-N.
21..	Calm	Calm	NW	S	W	SW	33.5	42.1	103.8	93.3	272.7	4	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N.
22..	SW	WSW	SW	SW	Calm	S	61.2	111.3	124.9	33.5	330.9	8	Ci.-S.	Cu.	9	Ci.-S.	Cu -N. W
23..	N	WSW	SW	Calm	SW	W	43.1	100.7	79.1	99.9	322.8	9	....	N.-cf. SW	9	Ci.-S.	Cu.-N.
24..	SW	WSW	SSW	SW	SW	SW	69.9	92.8	119.7	83.4	365.8	6	A.-Cu.	Cu.-N.	10	Ci.-S.	N.-cf.
25..	SW	W	S	SSW	SW	Calm	58.9	84.4	136.7	57.8	337.8	7	Ci.-S.	Cu.	9	A.-Cu.	Cu.
26..	W	WSW	SW	SW	WSW	SW	98.2	137.9	245.4	248.1	729.6	6	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N. W
27..	SW	SW	SW	SW	SW	SW	129.3	195	160.8	107	592.1	10	Ci.-S.	Fr.-N.	10	Ci.-S.	Fr.-N.
28..	SW	WSW	SW	SW	WSW	SW	179.4	158.4	191.6	137.6	667	10	Ci.-S.	Fr.-N.	10	Ci.-S.	Cu.-N. SW
29..	SW	SW	SW	SSW	SW	SW	115.5	177.4	230.7	217.7	741.3	8	A.-Cu.	Cu.-N. W	8	Ci.-S.	Cu.-N. SW
30..	SW	SW	SW	S	SW	SW	185.2	222.4	242.2	136	785.8	8	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N. SW
31..	SW	WSW	SSW	SSW	SW	SW	107.3	196.4	243.6	100.9	648.2	3	Ci.	Cu.	4	A.-Cu.	Cu. WSW
Mean	......	......	......	......	......	......	64.4	81.7	110.8	73.7	330.6	7.4	....	....	8.1	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	10,249.7	....	....	....	....	....	....

CEBU

[φ=10° 18′ N; λ=123° 54′ E; barometer above sea, 9 meters; gravity correction not applied, —1.84 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	56.58	56.47	56.46	54.68	55.62	57.29	56.18	28.3	28.2	29.3	29.5	29.9	29	29	30	27.5	68	79	74	75	75	69	73.3	......
2..	56.47	56.90	57.44	56.11	56.44	57.57	56.82	28.6	27	28.7	29	28.2	27.5	28.2	29.8	26.6	69	77	73	78	79	72	74.7	......
3..	56.29	57.06	57.39	55.29	56.28	57.37	56.61	27.2	27	29	30	28.7	27.5	28.2	30.2	26.4	71	70	67	67	69	78	70.3	......
4..	56.12	56.39	57.02	55.42	56.04	57.79	56.46	28	27.5	28	29.4	29	26.6	28.1	29.7	25.8	76	70	77	72	74	78	74.5	3.1
5..	56.34	57.17	57.52	56.12	56.66	57.98	56.96	27.3	27.5	29	29.3	29.3	29.2	28.6	29.5	26.5	73	77	78	78	74	71	75.2	2
6..	56.74	57.35	57.98	55.92	56.33	57.25	56.93	28.4	25.8	29	29.5	28.8	28	28.2	30.1	25.4	83	84	72	75	68	74	76	.3
7..	56.09	55.39	55.39	53.77	54.69	56.59	55.32	27.6	27	29.2	30	29.8	29.2	28.8	30.5	26.8	69	75	75	73	69	71	72	......
8..	55.12	54.92	55.49	53.92	54.22	56.52	55.03	28.3	27.8	28.2	29.2	29.6	29	28.7	30	26.3	71	79	77	76	72	69	74	......
9..	54.84	54.88	55.87	54.59	55.33	56.97	55.41	28.2	28.2	29	29.3	29.2	28.5	28.7	30.3	25.6	77	85	79	72	68	73	75.7	2.8
10..	55.30	55.68	55.89	54.87	55.58	57.07	55.73	27.8	28	28.8	29.2	26.5	27.2	27.9	30.6	23.6	73	76	75	72	70	71	72.8	1.3
11..	55.35	55.94	55.88	54.14	55.07	56.68	55.51	27.7	27.6	29.7	29.2	29.2	28.5	28.6	30.3	27.2	75	73	64	78	69	74	72.2	......
12..	55.32	55.75	56.27	54.78	55.39	57.16	55.78	28.2	28	29	29.4	29.4	29	28.8	31	27.7	83	74	78	76	75	71	76.2	......
13..	56.62	56.85	57.77	56.19	56.43	58.15	57	28.2	28	28.5	29.5	30	29.4	28.9	30.2	24.7	83	81	78	72	59	66	73.2	.5
14..	58.14	58.41	59.09	56.42	57.21	58.92	58.03	26.8	27	29	29.8	29.7	28.4	28.4	30.6	25.4	77	78	75	74	61	68	72.2	......
15..	58.19	58.75	58.38	57.40	57.87	59.93	58.42	27.8	27	28.8	30.2	29.6	28.4	28.6	30.7	26.4	71	74	76	69	77	69	72.7	......
16..	58.28	59.21	59.93	58.06	58.80	59.83	59.02	27.7	27.3	29.4	30.3	30	28.4	28.8	30.7	26.9	69	70	72	72	69	66	69.7	......
17..	59.02	58.93	58.92	57.05	58.08	59.52	58.59	27.5	27.2	29	30.3	30.8	29	29	32.2	26.5	69	71	72	74	63	75	70.7	......
18..	58.15	58.21	58.21	55.94	56.76	58.65	57.65	27.8	27.2	29.4	31.5	30.8	29.2	29.3	33.6	27.1	74	78	71	63	58	67	68.5	......
19..	56.77	56.92	57.53	56.37	56.61	57.95	57.02	27.5	27.8	30.2	28.4	27.5	26.4	28	31.2	25.8	72	73	60	70	72	76	70.5	......
20..	55.53	55.95	57.18	56.10	57.43	59.88	57.01	26.6	26.7	28.5	28.2	29	28	27.8	29.3	26.1	75	71	75	77	64	69	71.8	......
21..	59.37	59.17	59.02	57.65	57.76	59.73	58.78	27.3	27	28.7	30.3	29.8	28	28.5	30.7	25.8	73	81	81	65	66	73	73.2	......
22..	58.45	58.80	58.91	56.87	57.61	59.29	58.32	26	25.6	28.6	30.5	29.2	28.4	28	30.7	24.7	78	74	75	67	81	68	73.8	......
23..	57.62	57.98	58.22	56.13	56.60	58.33	57.48	27.2	26.5	28.6	30.2	30.6	29	28.7	33	25.8	70	71	68	70	54	63	66	......
24..	57.32	57.02	57.19	55.70	56.73	58.25	57.04	27.6	27	29.4	30	29.4	28.6	28.7	30.5	26.7	73	74	71	74	79	69	73.3	......
25..	57.44	57.42	57.82	56.05	56.35	59.06	57.36	27.4	27.3	29.4	30.6	29.8	28.6	28.8	30.8	27.2	71	72	76	69	73	66	71.2	......
26..	58.22	57.89	59.17	57.87	58.45	59.84	58.57	28.4	27.1	29.5	30.4	29.4	28.7	28.9	30.7	26.8	68	72	73	68	74	64	69.8	......
27..	59.52	59.42	59.23	56.88	58.22	60.25	58.92	26.5	26.2	29.2	30.5	26.8	24.7	27.3	30.8	23.8	76	75	68	65	81	92	76.2	3.8
28..	57.55	57.85	57.82	55.83	56.37	58.07	57.25	25.2	25.3	28.5	30	28.3	28.5	27.6	30.3	24.2	92	86	74	69	77	68	77.7	.8
29..	56.54	56.12	56.49	55.56	56.07	57.77	56.42	26.8	27.3	29	29.5	28.2	28	28.1	30.2	26.3	80	77	65	64	68	71	70.8	1
30..	57.38	56.94	58	57.08	57.57	58.62	57.60	24.4	25	28.5	26.9	26.5	26.4	26.3	29.7	24.1	85	80	67	67	73	75	74.5	2.5
31..	57.19	57.80	58.12	56.24	56.99	58.47	57.47	26.2	26.7	28.1	28.5	28.4	27.6	27.6	28.8	25.4	76	71	70	78	75	70	73.3	.8
Mean	57.03	57.21	57.60	55.97	56.63	58.28	57.12	27.4	27.1	28.9	29.6	29.1	28.2	28.4	30.5	26	74.8	75.7	72.8	71.6	70.5	71.2	72.8	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SW	SW	SSW	S	SW	SW	168.8	229.9	252.6	133.1	784.4	7	A.-Cu.	Cu.-N. SW	7	A.-Cu.	Cu. SW
2..	SW	WSW	SSW	SSW	SW	SW	107.9	152.9	241	164.6	666.4	9	A.-Cu.	Cu.	10	Ci.-S.	Cu.-N. W
3..	SW	Calm	SW	WSW	SW	SW	75.2	96.6	257.8	203.4	633	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. W
4..	WSW	W	SW	SW	SW	SW	122	156.3	155.6	198	631.9	8	Ci.-S.	Cu. W	10	Ci.-S.	Cu.-N. WSW
5..	SW	SW	SSW	SSW	SW	SW	127.6	192.6	256.6	185	761.8	7	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N. W
6..	SW	SW	SW	SSW	SW	SW	198	212	272.2	200.2	882.4	9	Ci.-S.	Cu. WSW	9	Ci.-S.	Cu.-N. W
7..	SW	WSW	SW	SW	SW	SW	162.1	236.4	304	163	865.5	8	Ci.-S.	Cu. W	4	Ci.	Cu. W
8..	SW	SW	SW	SW	SW	SW	257.2	293.2	263.4	217.8	1,031.6	7	Ci.-S.	Cu. W	7	Ci.	Cu. W
9..	SW	SSW	SSW	SW	SW	SW	222	255.1	258.2	202.3	937.6	9	Ci.-S.	Cu. W	9	Ci.-S.	Cu. W
10..	SW	SW	SSW	SW	WSW	SW	163.6	264	255.1	211.6	894.3	8	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu.-N. W
11..	SW	SW	SW	SSW	SW	SW	163.9	233.2	318	208	923.1	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N. W
12..	SW	SW	SW	SSW	SW	SW	212	293	310.6	189.8	1,005.4	10	Ci.	Cu.	10	Ci.-S.	Cu.-N. W
13..	SW	SW	SW	SW	WSW	SW	284.3	229.2	206.4	177.7	897.6	9	Ci.-S.	Cu.-N. W	8	Ci.-S.	Cu.-N. W
14..	SW	SW	SW	SSW	WSW	SW	108.4	195.4	262.4	128.7	694.9	6	Ci.	Cu.	7	Ci.	Cu. W
15..	SW	SW	S	SW	SW	SW	83.1	169.8	172.6	38.8	464.3	7	Ci.	Cu.	7	Ci.	Cu. W
16..	SW	SW	SW	SW	SW	SW	93.7	163.9	183.2	60.4	501.2	10	A.-Cu.	Cu.	5	Ci.	Cu. W
17..	SW	SW	SSW	S	WSW	Calm	48.3	148.9	188.2	43.9	429.3	2	Ci.	....	6	A.-Cu.	Cu.
18..	SW	SW	SW	SW	W	WSW	86.1	116.4	158.1	117.1	477.7	7	Ci.	Cu. W	8	Ci.-S.	Cu.
19..	SW	SW	WSW	SW	SW	SW	143.8	237	273.6	247.1	901.5	10	Ci.-S.	Cu.-N. W	9	Ci.-S.	Cu.-N. W
20..	SW	SW	SW	SSW	SW	SW	288	286.8	322.9	151.8	1,049.5	10	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu.-N. W
21..	Calm	SW	SSW	SW	SW	W	90.7	101.6	166.2	52.6	411.1	8	A.-Cu.	Cu.-N. SW	5	Ci.	Cu.
22..	Calm	Calm	S	S	SW	NW	22.3	74.7	200	69	366	2	Ci.	....	4	....	Cu. W
23..	W	SW	S	S	W	SW	49.2	148.1	206	124.7	528	7	Ci.-S.	Cu.	7	A.-Cu.	Cu.-N. SW
24..	SW	SW	SW	SW	SW	SW	147.5	197.9	224.4	101.4	671.2	8	Ci.-S.	Cu.-N.	7	Ci.-S.	Cu.
25..	SW	SW	SW	SW	S	W	84.4	187.8	225.8	120.7	618.7	7	Ci.	Cu. W	7	Ci.	Cu.
26..	SW	SW	SW	SW	SW	SW	102.7	119.7	159.3	64.3	446	7	Ci.	Cu.	7	Ci.	Cu.
27..	Calm	SW	S	SSW	NE	Calm	31.4	73.3	178.6	34.6	317.9	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu. W
28..	Calm	Calm	S	SSW	Calm	SW	8.3	120.2	166	82.4	376.9	9	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu. W
29..	SW	SW	SW	W	WSW	SW	133.6	174.6	131.6	145.3	585.1	10	Ci.-S.	N.-cf. W	10	Ci.-S.	S.-Cu. W
30..	SW	SW	SW	W	SW	SW	176.4	193.2	244.2	127.1	740.9	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N. W
31..	SW	SW	SW	SW	SW	SW	91.9	133.3	184.4	64.4	474	10	A.-Cu.	Cu.	9	Ci.-S.	S.-Cu. WSW
Mean	......	......	......	......	......	......	130.8	183.5	225.8	136.4	676.4	8.1	....	....	7.9	....	....
Total	......	......	......	......	......	......	......	......	......	......	20,969.2	.....	....	....	.....	....	....

CEBU

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 9 meters; gravity correction not applied, —1.84 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.59	57.52	57.49	56.08	56.97	59.02	57.44	27.5	26.2	29	30.5	29.7	28.6	28.6	31.5	25.5	68	73	77	67	75	66	71	0.5
2..	58.32	58.44	59.67	57.78	58.38	60.53	58.85	27.3	25.9	29.5	30.2	29.3	28.5	28.4	30.7	25.7	70	79	71	68	73	76	72.8	......
3..	59.24	59.59	60.36	57.86	58.77	60.48	59.38	26.3	26.2	29.6	32.1	29.3	28.2	28.6	33.1	25.3	85	85	70	57	77	77	75.2	......
4..	59.23	59.75	59.78	58.12	58.25	59.77	59.15	26.4	26.4	31	30.2	30.3	27.2	28.6	32.2	25.7	81	80	64	66	67	70	71.3	......
5..	58.69	58.94	59.04	56.94	57.94	59.44	58.50	27	26.7	29.3	28.2	28.2	26.4	27.6	29.8	25.9	74	75	69	79	80	89	77.7	4.7
6..	58.15	57.96	58.94	56.98	57.10	58.37	57.92	25.6	26	26.9	25.7	27.8	27	26.5	28.7	24	87	82	81	84	73	78	80.8	22.4
7..	57.04	57.21	58.13	56.39	56.72	58.37	57.31	25.2	24.4	29	28.4	27.5	26.7	26.9	31	23.8	85	88	68	78	77	80	79.3	......
8..	56.83	57.40	58.43	56.94	57.84	58.93	57.73	26.3	26	26.5	27.5	24.2	25.4	26	27.9	23.6	80	76	85	79	91	85	82.7	13.5
9..	57.81	58.24	59.12	56.92	57.53	58.94	58.09	25.7	25.4	27.8	28.3	27.4	26.3	26.8	28.6	24.7	83	78	69	72	73	76	75.2	......
10..	57.37	57.76	58.50	55.93	57.02	57.11	57.28	25.3	25.8	28	27.5	26	26.4	26.5	28.3	25.2	80	78	69	76	84	79	77.7	......
11..	56.10	55.89	56.55	55.33	55.19	56.14	55.87	25.2	26.3	27.5	28.2	27.5	25.2	26.6	28.4	24.9	83	79	76	68	73	85	77.3	4.6
12..	55.26	55.71	55.90	54.60	55.40	55.75	55.44	25.5	23.8	26.2	26	25.6	26.2	25.6	26.7	23.5	81	91	84	74	76	75	80.2	3.1
13..	55.31	56.38	56.66	54.86	56.50	57.65	56.23	25	24.6	26.7	26	26	26.5	25.8	27	23.8	82	88	83	82	79	73	81.2	.5
14..	57.05	57.86	57.88	56.30	56.37	58.39	57.31	26.5	25.8	28.6	28.5	28.6	26.5	27.4	29.2	24.8	76	78	71	70	69	76	73.3	.8
15..	57.52	57.91	58.14	56.30	57.32	59.17	57.73	25.3	25.7	29.2	28.2	27.7	26.4	27.1	29.6	24.8	80	78	66	75	78	82	76.5	......
16..	57.79	58.39	58.78	56.78	58.07	59.69	58.25	26.5	25.5	28.5	29.6	28.6	27.8	27.8	29.8	25.4	76	81	78	70	75	74	75.7	3.6
17..	58.80	59.90	59.72	58.34	59.37	60.55	59.45	25.2	24.6	26.7	27.3	26.8	24.3	25.8	28.2	23.4	90	92	86	84	87	91	88.3	77.6
18..	60.09	60.25	60.74	58.28	59.57	60.74	59.94	24.3	24.4	27.1	29.5	27.3	26.2	26.5	30.5	23.8	92	91	81	73	78	84	83.2	.5
19..	60.03	60.07	60.35	57.81	58.68	59.94	59.48	25.8	25.9	26.2	31.3	28.3	26.6	27.4	31.6	23.1	84	83	84	64	72	80	77.8	11.4
20..	58.80	58.90	59.52	57.58	58.19	59.79	58.80	25.6	25.5	28.5	29.3	28.2	27.4	27.4	31.5	25	82	86	77	78	79	84	81	27.9
21..	59	59.89	60.18	57.28	58.18	60.04	59.10	25.6	24.6	30	30.8	28	26.6	27.6	31.3	23.8	88	95	69	65	79	77	78.8	1.5
22..	59.24	59.27	59.97	57.63	57.93	59.37	58.90	25.9	25.5	29.7	30.2	29.2	27.8	28	30.9	25.2	86	90	73	66	72	80	77.8	1.8
23..	58.29	58.91	59.43	57.67	58.02	59.82	58.69	27.3	24.7	29.5	31	29.4	27.3	28.2	31.8	23.8	76	92	64	57	66	82	72.8	......
24..	58.40	58.44	59.07	57.45	58.01	59.32	58.45	26.2	25.5	30.1	30.7	29	27.3	28.1	31.8	25.4	82	84	61	63	71	79	73.3	......
25..	58.29	58.77	59.30	57.42	58.15	59.94	58.64	26.3	25.8	30.5	29.8	28.4	26.4	27.9	31.6	24.6	85	85	70	71	80	90	80.2	4.3
26..	58.83	59.12	60.08	57.72	58.15	59.60	58.92	26.2	25.8	30.5	32.4	29.6	27.3	28.6	33	25.5	85	85	66	55	71	81	73.8	......
27..	59	58.72	59.38	57.48	58.19	59.59	58.73	26.3	25.8	30.4	31.6	27	26.2	27.9	32.2	25.3	82	84	65	63	77	81	75.3	......
28..	58.39	58.81	59.46	57.36	58.37	59.63	58.67	25.7	25.2	29.6	30.5	28.8	26.3	27.7	31.6	24.6	84	86	69	65	76	79	76.5	......
29..	59.09	59.08	59.42	57.04	58.22	59.49	58.72	25.8	25.4	29.1	30	28.7	26.5	27.6	31.7	24.9	84	87	72	63	75	83	77.3	......
30..	58.65	59.27	59.42	56.72	58.04	58.72	58.47	26	25.5	29.5	30.7	28.4	26.2	27.7	31.6	25.3	85	88	70	61	77	84	77.5	......
Mean	58.14	58.48	58.98	57	57.75	59.14	58.25	26	25.5	28.7	29.3	28	26.7	27.4	30.4	24.7	81.9	83.9	72.9	69.8	76	79.9	77.4	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	178.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SW	Calm	SW	S	SW	SW	64.9	186.8	158.1	58.4	468.2	5	Ci.	Cu.	6	Ci.	Cu.
2..	SW	Calm	S	SW	SW	SW	58.9	63.6	162.2	86	370.7	5	Ci.	Cu.	5	Ci.	Cu.
3..	Calm	N	NE	S	S	N	33.4	65.2	82	23.9	204.5	4	Ci.	Cu.	3	Ci.	Cu.
4..	Calm	Calm	NE	NE	Calm	Calm	31.3	77.4	76.6	25.4	210.7	6	Ci.	Cu.	8	Ci.-S.	Cu.-N. N
5..	Calm	NW	S	Calm	Calm	Calm	24.6	60.9	23.9	24.3	133.7	9	Ci.-S.	Cu.	9	A.-Cu. NNE	Cu.-N.
6..	Calm	W	Calm	S	Calm	SW	28.9	34.3	33	47.5	143.7	10	Ci.-S.	N.-cf. NW	10	Ci.-S.	N.-cf.
7..	SW	Calm	Calm	S	SE	SW	65.5	35.1	40.4	39.4	180.4	10	Ci.-S.	Fr.-N.	9	Ci.-S.	S.-Cu. W
8..	SW	W	Calm	SE	Calm	W	90.9	25.9	68.7	47.7	233.2	10	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu.-N. W
9..	SW	W	WSW	SW	SW	SW	86	104.2	183.3	85.8	459.3	10	Ci.-S.	Cu.-N.	10	Ci.-S.	S.-Cu. W
10..	W	SW	SW	S	NE	SW	57.5	86.1	72.5	69.7	285.8	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
11..	NW	SW	SW	W	N	W	53.3	173.7	90.1	64.1	381.2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
12..	W	SW	SW	SW	SW	SW	130.6	148.2	170.8	193	642.6	10	Ci.-S.	Fr.-N.	10	Ci.-S.	S.-Cu.
13..	W	SW	SW	SW	SW	SW	149.7	218.8	220.7	109.1	698.3	10	Ci.-S.	N. SW	10	Ci.-S.	S.-Cu. WSW
14..	SW	SW	S	SW	SW	Calm	67	152.1	220.7	47.7	487.5	8	Ci.-S.	S.-Cu. WSW	8	Ci.-S.	Cu.
15..	Calm	SW	SSW	S	SW	Calm	51	155.6	141.1	46.4	394.1	9	Ci.-S.	S.-Cu. WSW	7	Ci.-S.	Cu.
16..	W	Calm	S	SW	SW	SW	60.9	82.4	149	84.9	377.2	9	Ci.-S.	S.-Cu.	7	Ci.	Cu.
17..	Calm	Calm	Calm	NE	NE	SW	21.2	32.1	62.4	73	188.7	10	Ci.-S.	N. NE	10	Ci.-S.	Cu.-N. NE
18..	SW	N	S	NE	NE	NE	21.8	43.7	63.6	38	167.1	10	Ci.-S.	N.	8	Ci.	Cu.
19..	W	Calm	NW	NE	NE	Calm	36.7	53	67.8	28	185.5	7	A.-Cu.	S.-Cu. N	4	Ci.	Cu.
20..	NW	N	Calm	SE	S	Calm	45.6	22	60.2	8.7	136.5	3	Ci.	Cu.	7	Ci.-S.	Cu. E
21..	NE	SW	Calm	S	NE	NE	46.4	38.3	59	44.6	188.3	10	Ci.-S.	N.	5	Ci.	Cu. E
22..	NW	Calm	NE	NE	NE	NE	38.3	74.8	108.9	57.6	279.6	3	Ci.	Cu.	3	Ci.	Cu.
23..	NE	N	NE	NE	NE	NE	57.8	99.9	90.6	53.9	302.2	7	Ci.-S.	S.-Cu. NE	2	Ci.	Cu.
24..	N	N	NE	NE	NE	N	59.9	114.8	124.2	52.6	351.5	7	Ci.	Cu.	7	A.-Cu. ENE	Cu.
25..	N	Calm	NE	NE	NE	N	42.8	94	134.4	60.1	331.3	7	Ci.-S.	Cu.	7	Ci.-S.	Cu.
26..	N	N	NE	E	NE	Calm	51.9	80.1	76.3	35	243.3	4	Ci.	Cu.	2	Ci.	Cu.
27..	NE	N	NE	SW	N	N	54.6	100.9	64.1	24.8	244.4	8	Ci.-S.	Cu.	8	A.-Cu.	Cu. NNE
28..	N	Calm	SE	NE	Calm	W	28	31.1	70.1	14.8	144	7	Ci.	Cu.-N.	7	Ci.-S.	Cu. E
29..	Calm	Calm	Calm	NE	S	N	8.9	12.7	54.3	43.4	119.3	7	Ci.-S.	S.-Cu. NE	8	Ci.-S.	Cu.
30..	N	N	NE	SW	SW	Calm	26.8	44.3	49	40.2	160.3	9	Ci.-S.	Cu.-N. WNW	7	Ci. E	Cu.
Mean	.....	.....	.....	.....	.....	.....	53.2	83.7	99.3	54.3	290.4	7.8	.....	.....	7.2	.....	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8,713.1	.....	.....	.....	.....	.....	.....

CEBU

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 9 meters; gravity correction not applied, —1.84 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.71	58.54	59.19	56.78	58.05	59.03	58.22	25.2	25.6	28.7	31.8	28.7	27	27.8	32	24.8	87	85	76	61	78	81	78	....
2..	57.64	57.86	58.31	55.61	56.84	58.57	57.47	25.3	25	29.3	31	26.5	26.6	27.3	31.8	24.1	84	80	70	65	86	90	79.2	2
3..	57.50	57.81	58.27	56.47	57.33	58.60	57.66	26.5	26.3	29.5	26.3	27.3	26.5	27.1	30.5	24.7	83	82	70	86	82	85	81.3	19.3
4..	58.06	58.17	58.77	56.80	57.78	59.39	58.16	25.9	26.7	29.4	30.7	28.5	25.3	27.8	31.3	23.9	83	78	66	65	81	86	76.5	13
5..	58.07	58.11	58.87	56.27	57.41	59.04	57.96	24.9	25	29.2	30.7	29	27.2	27.7	31.1	24.4	90	90	73	69	76	82	80	9.9
6..	57.66	58.06	58.86	56.67	58.12	59.41	58.13	26.2	26.1	29	26.5	25.7	24.8	26.4	30	24.7	88	88	74	84	90	89	85.5	14.4
7..	58.31	58.52	59.64	56.42	57.72	59.77	58.40	25.1	26	27	29.7	25.3	24.1	26.2	30	22.8	89	85	83	72	96	94	86.5	74.7
8..	58.16	57.82	58.52	56.24	57.24	58.50	57.75	24.2	25.1	28.3	25.4	25.6	26.4	25.8	28.8	23.7	91	89	72	93	89	85	86.5	22.9
9..	57.46	57.90	58.34	56.37	57.39	58.87	57.72	25	26	28	29.3	28.4	27.5	27.4	29.6	24.3	86	78	76	66	68	70	74	3.3
10..	57.50	58.19	59.21	56.98	57.60	59.05	58.09	27.2	26.5	28.9	29.5	28.5	26.8	27.9	30.1	25.2	74	78	66	68	72	83	73.5	....
11..	58.17	58.84	59.79	57.94	59.02	60.13	58.98	26.2	25.8	29.8	28.8	27	25.9	27.2	31.2	24.8	85	87	72	77	80	89	81.7	2
12..	58.59	60.05	60.91	58.42	58.53	60.29	59.46	25.7	25.1	30.1	30.5	29.3	27.4	28	31.2	24.8	87	89	67	72	70	77	77	....
13..	58.57	59.09	59.20	57.34	58.56	58.06	58.47	26.9	27	30.2	29.5	24.7	26.5	27.5	31.5	23.9	74	73	62	66	89	74	73	50.2
14..	56.14	55.20	53.56	50.04	54.39	56.50	54.30	24.3	24.2	24.2	24.2	26	26.2	24.8	26.6	22.9	94	95	97	97	85	79	91.2	35.6
15..	55.50	56.47	57.45	55.58	56.75	58.39	56.69	24.6	26	27.5	27.8	26.4	24.9	26.2	28.1	24	92	84	76	75	84	91	83.7	5.2
16..	57.95	58.32	58.49	56.79	57.58	59.38	58.08	25.3	25.8	28.8	29.9	28.9	27	27.6	30.3	24.9	92	88	73	68	73	79	78.8	....
17..	57.99	58.93	59.27	56.98	57.97	59	58.36	25.2	24.5	29.5	30.9	29	26.8	27.6	31.2	24.1	82	79	69	66	78	86	76.7	....
18..	58.02	58.21	58.69	56.02	57.34	58.54	57.80	25.4	25.3	29.7	31.5	29.8	26.7	28.1	32.1	24.3	84	77	67	60	70	82	73.3	....
19..	57.64	58.21	58.52	55.96	57.05	58.27	57.61	25.5	25.4	30.2	31	29.2	28.2	28.2	32	25	83	82	65	61	75	75	73.5	1.3
20..	57.22	58.34	59.21	57.19	58.21	59.28	58.24	26.9	26.2	28.3	29	26.5	26.2	27.2	30.1	25.6	80	87	68	72	84	85	79.3	....
21..	58.17	58.78	60.04	57.63	58.53	60.04	58.86	25.7	25.5	29.3	30.2	28	26.4	27.5	30.5	25.1	84	83	60	60	69	75	71.8	....
22..	59.12	59.39	59.83	57.88	58.32	60.09	59.10	26.3	26	30.5	31.9	28.7	26.2	28.3	32.2	25.5	79	79	56	52	66	81	68.8	....
23..	58.87	59.38	60.07	58.12	58.59	60.10	59.19	25.4	25.5	30.3	30.5	29	27	28	31	24.5	82	83	65	55	66	80	71.8	....
24..	58.77	58.92	60.01	57.87	58.68	60.08	59.06	26.6	25.7	28.5	28.9	27.4	26.5	27.3	31.8	25.5	83	89	78	76	80	84	81.7	11.7
25..	59.17	59.41	60.33	57.77	58.84	60.39	59.32	25.8	25.3	29.8	29.2	28.7	26.2	27.5	31.6	24.7	88	89	71	74	80	85	81.2	8.1
26..	59.98	60.18	60.51	58.29	59.40	60.39	59.79	25	25.1	29.6	30.7	24.4	25.2	26.7	31.5	23.8	86	84	72	61	91	92	81	14.7
27..	59.76	59.94	60.89	58.53	59.05	60.53	59.78	24.7	24.8	30	30.9	29.6	26.8	27.8	31.8	24.5	90	88	69	67	70	84	78	1.5
28..	59.27	59.45	60.13	57.58	58.23	59.54	59.03	25.5	25.2	29.5	30.2	28.5	27	27.6	31.2	24.8	86	87	68	64	77	80	77	....
29..	58.55	58.95	59.15	56.81	57.69	59.49	58.44	26.2	25.9	30.5	30.5	28.2	27	28	31.6	25.7	82	83	66	66	82	84	77.2	....
30..	57.95	58.59	59.47	57.37	57.76	59.09	58.37	26.2	26	29.4	25.4	26.4	25.4	26.5	29.7	23.9	85	87	66	87	83	88	82.7	9.9
31..	58.17	58.94	59.48	57.13	58.24	59.60	58.59	25.1	25.2	29.4	29.5	27.7	26.8	27.3	31.4	24.3	87	86	73	64	77	78	77.5	....
Mean	58.12	58.53	59.13	56.83	57.88	59.27	58.29	25.6	25.6	29.1	29.4	27.6	26.4	27.3	30.8	24.5	85.2	84.3	70.5	70	78.9	83	78.6	....
Total																								299.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	W	Calm	S	S	SW	W	45.5	45.9	61.8	87.1	240.3	9	Ci.-S.	S.-Cu. NNE	7	Ci.-S.	Cu. N
2..	Calm	NW	S	SE	Calm	Calm	21.7	65.4	51	39.1	177.2	3	Ci.	Cu.	4	Ci.	Cu. NW
3..	W	W	S	Calm	SW	Calm	33.6	98.7	60.9	56.5	249.7	8	Ci.	Cu.	9	Ci.-S.	Cu.-N.
4..	W	SW	S	S	W	SSW	65	115.1	147.5	99.6	427.2	8	Ci.-S.	Cu.	7	Ci.	Cu.
5..	Calm	SW	S	S	SW	Calm	23.6	91.9	89	47.2	251.7	9	Ci.-S.	Cu.	7	Ci.-S.	Cu.-N.
6..	W	SW	S	SW	Calm	NW	40.4	100.1	51.7	29.8	222	7	Ci.	Cu.	10	Ci.-S.	Cu.-N. W
7..	W	SW	S	SW	Calm	SW	54.7	63.1	99.2	113.8	330.8	10	Ci.-S.	Cu.-N.	7	Ci.-S.	Cu.-N.
8..	SW	SW	S	SW	NW	S	70	143.4	175.9	139.7	529	9	A.-Cu. W	S.-Cu.	10	Ci.-S.	N. WSW
9..	SW	SW	SW	SW	SW	SW	154.5	252.8	257.8	148.2	813.3	9	A.-Cu.	S.-Cu. SW	10	Ci.-S.	S.-Cu. SW
10..	S	SW	SW	S	SW	Calm	109.6	136.3	138.7	39.9	424.5	10	A.-Cu.	S.-Cu. SW	9	A.-Cu.	Cu. SW
11..	W	NW	Calm	NE	N	Calm	37	36.8	65	36	174.8	10	Ci.-S.	S.-Cu. W	9	Ci.-S.	Cu.-N.
12..	Calm	NW	Calm	S	SW	NE	18.2	45.4	56.3	63.3	183.2	9	Ci.-S.	Cu.-N.	7	A.-Cu. E	Cu.
13..	N	N	N	N	N	W	55.7	106.5	89.3	45.7	297.2	8	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
14..	SW	NW	SW	SW	SSE	S	48.3	104.4	243	129.2	524.9	10	Ci.-S.	N.	10	Ci.-S.	N. SW
15..	NW	SW	S	SW	W	Calm	75.9	186.9	225.3	42	530.1	9	Ci.-S.	N. SW	8	Ci.-S.	Cu.-N. SW
16..	W	SW	SW	SW	SW	Calm	64.9	118.5	152.9	26.8	363.1	8	Ci.-S.	S.-Cu. SW	3	Ci.	Cu. SW
17..	W	Calm	S	SW	SW	Calm	20.4	51.5	147.6	25.2	244.7	0	....	Cu.	4	Ci.	Cu. WSW
18..	Calm	Calm	S	S	SW	W	28.2	56.1	51	36	171.3	2	Ci.	Cu.	5	Ci.	Cu.
19..	W	Calm	SW	S	SW	W	21.7	37.5	76.9	34.1	170.2	3	Ci.	Cu.	8	A.-Cu.	S.-cf. SW
20..	W	Calm	Calm	Calm	N	Calm	39.1	29.6	38.9	50.5	158.1	10	Ci.-S.	S.-Cu. WNW	8	A.-Cu.	S.-Cu. NW
21..	NE	N	NE	NE	N	N	56.1	109.1	154.5	63	382.7	7	Ci.-S.	Cu.	3	Ci.	Cu. N
22..	N	N	NE	E	N	Calm	61.4	93.8	84.7	32.4	272.3	2	Ci.	Cu.	1	....	Cu.
23..	Calm	N	E	NE	NE	NE	36.4	77.9	94.8	41.2	250.3	3	....	Cu. NNE	2	....	Cu.
24..	Calm	N	Calm	Calm	N	Calm	19.3	32.7	48.5	38.4	138.9	5	Ci.	S.-Cu. NNE	8	Ci.-S.	Cu.-N.
25..	NW	Calm	Calm	SE	SW	Calm	32.4	21.4	48.5	39.9	142.2	7	Ci.	Cu.-N. E	7	Ci.-S.	Cu.-N.
26..	N	SW	SE	W	SW	N	47.7	34.6	64.1	35.6	182	7	A.-Cu. E	Cu.	7	Ci.	Cu.
27..	Calm	NW	SE	SE	S	Calm	30.6	31.1	47	38.6	147.3	7	Ci.-S.	Cu.	4	Ci.	Cu. N
28..	Calm	Calm	NE	NE	NE	N	31.1	80.8	89.8	71	272.7	4	Ci.	Cu.	8	Ci.-S.	Cu.
29..	N	N	NE	NE	N	N	63.4	81.1	120.9	74.3	339.7	4	Ci.	S.-Cu. ENE	7	A.-Cu.	Cu. ENE
30..	N	N	NE	Calm	N	N	56.9	114.8	63	26.8	261.5	8	Ci.-S.	S.-Cu. E	10	Ci.-S.	S.-Cu. E
31..	NE	N	Calm	NE	N	N	54.2	36.8	67.8	39.4	198.2	7	Ci.-S.	S.-Cu. EbyN	7	Ci. ENE	Cu.
Mean							49	83.9	102	57.8	292.6	6.8			7		
Total											9,071.1						

CEBU

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 9 meters; gravity correction not applied, —1.84 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.85	59.03	59.68	57.50	58.73	59.72	58.92	26.1	26	29.5	30.7	28.7	26.6	27.9	31.4	25.4	85	84	71	61	74	83	76.3	......
2..	58.68	59.30	59.97	57.56	58.38	59.79	58.95	26.4	26.2	30.2	31	29	27	28.3	32.3	26	83	82	65	63	73	77	73.8	2.5
3..	58.48	58.59	59.19	57.11	57.97	59.02	58.39	26.8	25.7	28.5	26.6	27.7	26.7	27	30.2	25.5	83	89	78	86	79	82	82.8	.5
4..	58.02	58.34	59.19	57.27	57.87	58.77	58.24	26.3	26.5	29.2	29.5	28.8	27.5	28	31.3	25.8	86	84	71	71	76	82	78.3	......
5..	57.50	58.31	59.02	56.58	57.31	58.95	57.94	26.9	26.4	30.5	31.1	29.3	26.7	28.5	31.4	25.9	83	86	68	63	73	82	75.8	.8
6..	57.44	57.80	58.64	56.27	57.19	58.66	57.67	25.9	25.7	29.9	30.9	29	27.5	28.2	31.3	25.4	88	88	62	57	71	81	74.5	2
7..	58.05	59.15	59.62	57.34	58.40	59.68	58.71	26.3	25.1	28	29	27.5	26.5	27.1	29.4	24.8	82	88	72	68	77	82	78.2	1
8..	58.68	58.68	59.43	56.88	57.92	59.29	58.48	25.7	25	29.5	30.6	29.2	26.7	27.8	31.4	24.9	86	87	68	60	60	77	73	71.9
9..	58.48	58.47	59.04	56.69	57.97	59.39	58.34	23.3	24.9	28.6	31.1	26.1	24.7	26.4	31.5	23.2	93	88	73	62	81	89	81	6.1
10..	57.67	57.86	58.32	56.40	57.10	58.05	57.57	24.7	24.5	28	29.3	27.5	25.6	26.6	29.5	24.2	91	91	75	72	82	85	82.7	.5
11..	57.16	57.43	57.64	55.69	56.67	57.97	57.09	26.6	26.5	28.6	30	29	27.2	28	30.7	25.2	81	80	70	69	76	83	76.5	......
12..	56.59	57.66	57.99	56.38	57.55	58.34	57.42	26	25	29.5	29.5	28.6	26.3	27.5	30.2	24.8	81	85	68	76	78	86	79	2
13..	57.24	57.67	58.81	56.58	58.20	59.24	57.96	25.2	25.4	29.9	32.6	28.7	27.4	28.2	33.2	24.8	86	84	70	57	73	80	75	......
14..	58.20	58.25	59.07	57.17	57.92	58.53	58.19	26.7	26.5	29.6	29.4	28.8	28	28.2	30.5	26.3	81	82	67	65	71	77	73.8	......
15..	57.73	57.72	58.72	55.67	57.27	57.46	57.43	27.1	25.7	29	29.1	26.4	26.2	27.2	29.3	25.5	81	82	71	75	82	82	78.8	5.1
16..	56.55	56.94	58.10	55.27	56.64	57.27	56.80	26.3	26.7	28.8	29.1	29.3	28.3	28.1	30.2	25.8	80	77	68	74	67	72	73	......
17..	56.32	56.81	57.67	56.24	57.68	58.36	57.18	27.2	27	27.7	25.7	26.8	26.8	26.9	28.6	25.4	78	77	77	86	84	81	80.5	3.6
18..	57.19	58.21	59.06	57	57.97	59.50	58.16	26.5	26.6	28.5	28.6	27.4	26.4	27.3	30	25.8	80	80	78	76	83	87	80.7	......
19..	58.26	58.72	59.47	56.93	58.15	59.87	58.57	25.5	25.6	29	29.5	28.4	26.5	27.4	30.2	24.8	91	91	74	72	76	82	81	......
20..	58.44	58.80	58.91	56.37	57.81	59.10	58.24	25.8	24.8	30.3	31.9	27.6	26	27.7	32.2	24.6	83	88	63	61	80	89	77.3	6.3
21..	57.46	58.21	58.15	56.18	57.54	58.82	57.73	25.3	25	29.3	29.3	28	26.3	27.2	30.9	24.9	86	86	66	72	82	83	79.2	10.7
22..	57.76	58.19	59.09	57.22	58.54	59.23	58.34	25.5	25.5	29.5	26.4	26.8	25.3	26.5	29.9	24.9	85	84	70	93	72	84	81.3	13.9
23..	58.56	59.50	60.79	59.22	59.37	60.48	59.65	25.2	24.4	28.2	24.6	26	25	25.6	28.5	24	88	92	74	93	85	92	87.3	15.7
24..	59.31	59.58	60.04	58.07	58.85	59.95	59.30	24.8	24.8	28	28.2	26.8	25.3	26.3	28.7	24.3	91	91	73	65	77	72	78.2	......
25..	58.94	59.54	60.05	57.65	58.72	59.84	59.12	24.9	24.1	27.6	28.6	26.6	26	26.3	29.5	23.9	75	78	58	60	74	75	70	......
26..	58.74	58.88	59.42	57.22	58.23	58.47	58.49	25.1	24.1	27.8	28.5	24.9	25	25.9	28.7	23.5	79	82	71	66	88	90	79.3	2.8
27..	57.76	57.43	58.50	56.69	57.76	59.01	57.86	24.1	24	25.2	27.7	27.2	25.3	25.6	29.7	23.5	90	89	90	76	80	86	85.2	1
28..	58.76	59.05	59.96	58.24	59.34	60.29	59.27	25.2	25.3	29	29.8	28.1	26.5	27.3	30.5	25	85	84	69	67	78	82	77.5	......
29..	59.52	59.56	59.99	57.99	58.65	59.22	59.16	26.1	25.4	29.7	29.8	25	26	27	30.5	24.2	83	86	68	67	81	79	77.8	7.3
30..	58.50	58.71	59.54	57.37	58.49	59.29	58.65	25.4	25.2	28	29.1	27.8	26.4	27	29.9	24.2	88	88	75	73	80	79	80.5	......
Mean	58.03	58.41	59.10	56.96	58.01	59.05	58.26	25.8	25.5	28.8	29.2	27.7	26.4	27.2	30.4	24.9	84.4	85.1	70.8	70.2	77.1	82	78.8	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	153.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	W	NW	NE	NE	N	N	31.3	53.6	97.9	67.8	250.6	7	Ci.	S.-Cu. ENE	7	Ci. NE	Cu.
2..	N	N	NE	NE	NE	N	61.9	76.8	115.3	65	319	7	Ci.-S.	Cu. E	8	Ci.-S.	Cu. NNE
3..	N	N	NE	NE	Calm	NE	74.1	54.9	73	52.3	254.3	10	Ci.-S.	Cu.-N. ENE	9	Ci.-S.	Cu.-N.
4..	NE	N	NE	NE	NE	N	70	82.9	139.8	77.1	369.8	8	Ci.-S.	S.-Cu. NE	9	Ci.-S.	S.-Cu. ENE
5..	Calm	N	NE	NE	NE	Calm	42.6	84.2	125	64	315.8	7	Ci.-S.	S.-Cu. NE	5	Ci.	Cu.
6..	N	Calm	NE	NE	NE	Calm	42	77.2	93.1	43.4	255.7	5	Ci.	S.-Cu. E	3	Ci.	Cu.
7..	N	N	NE	NE	NE	N	60.9	107.5	112.7	52.2	333.3	10	Ci.-S.	Cu.-N.	9	Ci.-S.	S.-Cu. NE
8..	Calm	N	S	NE	NE	NE	37.1	28.2	73.3	42.9	181.5	10	Ci.-S.	S.-Cu. NE	7	Ci.-S.	Cu.
9..	Calm	W	S	Calm	N	SW	47.5	79.4	61.4	62.5	250.8	9	A.-Cu.	S.-Cu.	7	A.-Cu.	Cu. W
10..	Calm	Calm	S	SW	SW	SW	27.8	80.9	154	55.4	318.1	6	A.-Cu.	Cu.	9	A.-Cu.	Cu.-N. W
11..	SW	SW	S	SW	Calm	W	83.6	99.5	46.1	25.6	254.8	9	A.-Cu. NW	Cu.-N.	9	Ci.-S.	Cu. WNW
12..	NE	W	E	Calm	SW	W	49.1	35	29.6	49.7	163.4	9	A.-Cu.	S.-Cu. NW	9	Ci.-S.	Cu.-N. NW
13..	W	NW	S	E	NE	Calm	34.8	29.6	54.1	19.9	138.4	9	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu. NW
14..	N	W	S	SW	SW	SW	36.7	38	86	52	212.7	9	Ci.-S.	S.-Cu. NW	9	Ci.-S.	S.-Cu. NW
15..	SE	Calm	SW	SW	W	Calm	27.6	137.8	184.7	39.7	389.8	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu. W
16..	SW	SW	SW	S	W	S	51.7	86.5	156.4	80.2	374.8	10	Ci.-S.	S.-Cu. W	8	Ci.-S.	Cu. W
17.	SW	W	SW	SW	W	SW	108.4	111	102.2	60.4	382	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	Fr.-N.
18	W	W	S	SW	S	W	68	67.2	81.2	51.4	267.8	9	A.-Cu. S	S.-Cu.	9	Ci.-S.	S.-Cu. SW
19..	Calm	Calm	SW	SW	NW	N	24.4	95.3	116.4	40.4	276.5	6	A.-Cu.	Cu.	5	Ci.	Cu.
20..	Calm	N	Calm	Calm	SW	Calm	23.3	40.7	49.2	51.4	164.6	5	A.-Cu. NE	Cu.	6	Ci.	Cu.-N.
21..	N	NW	S	NE	Calm	S	35.6	39.3	62.5	53.1	190.5	6	A.-Cu.	S.-Cu.	8	Ci.	Cu.-N. WNW
22..	Calm	Calm	SE	NE	N	Calm	26	37.8	80.2	50.8	194.8	8	Ci.-S.	S.-Cu.	9	Ci.-S.	N. NW
23..	NW	Calm	SW	Calm	Calm	Calm	37.6	46.5	30.9	33.8	148.8	9	Ci.-S.	S.-Cu. N	10	Ci.-S.	N.
24..	NW	NW	NE	NE	NE	N	46.4	81.3	93.7	85	306.4	10	Ci.-S.	N. N	9	Ci.-S.	S.-Cu. N
25..	N	N	NE	NE	NE	Calm	64.4	95.9	131.6	20.2	312.1	5	Ci.	S.-Cu.	7	Ci.	Cu.
26..	NE	NE	NE	NE	Calm	Calm	39.4	74.7	70.6	32.2	216.9	9	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.-N. N
27..	Calm	W	SE	Calm	E	NE	29.8	33.2	23.3	44.5	130.8	10	Ci.-S.	S.-Cu. NNE	7	Ci.-S.	Cu.
28..	NE	NE	NE	NE	NE	N	53.1	68.6	95.3	74.5	291.5	5	Ci.	Cu.	8	A.-Cu.	Cu.
29..	N	N	NE	NE	N	N	55.7	93.8	150.3	87.7	387.5	3	A.-Cu.	S.-Cu.	8	Ci.-S.	S.-Cu. NE
30..	NE	NE	NE	NE	NE	N	49.7	67	90.9	74.5	282.1	10	Ci.-S.	S.-Cu. ENE	8	A.-Cu. E	Cu.
Mean	......	......	......	......	......	......	48	70.1	92.7	53.7	264.5	8	....	....	8	....	....
Total	......	......	......	......	......	......	......	......	......	.....	7,935.1	....	....	....	....	....	....

CEBU

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 9 meters; gravity correction not applied, —1.84 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.61	58.64	59.39	57.34	58.54	59.64	58.69	25.8	25.6	29.1	30.8	27.2	25.9	27.4	31.5	25	82	78	70	62	81	86	76.5	......
2..	58.17	58.73	59.22	57.44	58.36	59.38	58.55	25.5	24.9	30	27.4	26	25.9	26.6	31.1	24.6	80	82	59	70	72	77	73.3	......
3..	57.50	57.56	58.13	55.59	55.70	55.82	56.72	25.5	25.8	28	27.1	24.3	24.4	25.8	28.4	24.1	79	78	73	78	94	90	82	28.2
4..	53.63	55.16	56.36	54.34	56.31	57.31	55.52	24.7	24.3	27.2	29.7	24.3	24.9	25.8	30.5	24.1	94	94	80	70	94	92	87.3	5.5
5..	56.30	57.11	58.22	56.03	57.25	58.79	57.28	24.9	24.9	28.8	30.7	28.7	26	27.3	30.9	24.1	90	89	71	66	74	87	79.5	1.5
6..	57.66	57.96	59.07	56.87	57.78	59.34	58.11	25.9	24.8	28	29.5	28	26.4	27.1	30.4	24.5	83	89	81	73	76	86	81.3	2.3
7..	58.32	58.88	59.36	57.24	58.02	59.46	58.55	25.5	24.8	30.4	31.4	29.1	27	28	33.1	24.6	86	88	68	62	70	82	76	15.8
8..	58.57	59.24	59.64	57.29	58.08	59.03	58.64	26	25.4	28	30.4	27.8	26.3	27.3	30.6	24.8	90	91	80	66	77	78	80.3	2.3
9..	57.87	58.46	59.39	57.71	58.44	60.13	58.67	25.3	25	27.4	24.5	25	25.3	25.4	27.6	24	85	88	76	92	90	90	86.8	6.9
10..	58.61	59.40	59.22	57.84	58.79	59.91	58.96	25.8	25.4	27.4	29	27	25.8	26.7	29.3	25	88	85	73	58	78	81	77.2	1.3
11..	59.14	59.64	60.01	58.07	59.18	59.92	59.33	24.9	24.3	28.8	30	27.3	25.9	26.9	30.3	23.8	84	87	63	59	73	79	74.2	1.3
12..	57.98	59.04	60.05	58.03	58.57	59.68	58.89	24.7	24.9	27.8	27.6	26.8	24.9	26.1	28.5	24.5	84	88	74	73	74	81	79	3
13..	58.37	58.57	59	56.62	57.43	58.07	58.01	24.4	23.8	28.4	29.5	28.5	25.5	26.7	29.8	23.5	81	83	72	56	62	77	71.8	......
14..	57.21	57.98	58.37	56.15	56.62	57.96	57.38	24.9	24.8	28.3	29.4	28.2	25.2	26.8	29.6	24.5	81	87	72	62	70	77	74.8	......
15..	57.46	58.08	59.20	57.19	57.98	59.23	58.19	24.8	24.2	28.7	30.1	27.8	24.1	26.6	31.2	24	79	78	63	54	64	74	68.7	......
16..	58.18	58.62	59.82	57.83	58.64	59.82	58.82	24.3	24.5	30.4	30.2	28.1	27	27.4	31.6	24	76	81	61	54	72	77	70.2	......
17..	58.95	59.35	60.28	58.29	59.04	60.47	59.40	25.2	25.3	29.2	29.2	28.4	26	27.2	30.5	25.1	84	84	70	71	75	76	76.7	......
18..	59.56	59.78	60.54	58.64	59.52	60.57	59.77	24.8	25.2	28.8	29.2	28.1	26.2	27	30.2	24.7	84	85	69	66	72	81	76.2	1.3
19..	59.66	60.28	61.39	59.93	61.02	61.89	60.70	25.9	24.6	26.6	25.6	25.8	25.1	25.6	27	24.5	81	90	81	87	87	87	85.5	8.6
20..	60.61	61.03	61.37	59.99	60.84	61.29	60.86	24.6	24.6	27.4	29	27.3	25.6	26.4	29.4	24.4	87	88	74	68	73	82	78.7	......
21..	60.46	61.09	62.08	59.34	60.30	61.91	60.86	25.5	25.6	25.9	27.4	27.3	24.3	26	28.1	23.6	81	88	85	77	76	92	83.2	31.5
22..	61.23	60.64	61.34	59.73	60.59	61.26	60.80	24.1	24.1	28	27.2	25.3	25	25.6	28.5	23.6	92	91	70	75	85	82	82.5	......
23..	60.18	60.68	61.55	59.03	59.58	60.72	60.29	24.4	24.9	27.9	28.9	27.8	26.7	26.8	29.3	24.3	83	80	69	69	73	76	75	.5
24..	59.23	59.26	59.83	57.84	58.24	59.39	58.96	25	24.9	28.9	28.7	27.7	26	26.9	29.4	24.5	88	87	68	67	81	84	79.2	......
25..	57.95	58.73	59.79	57.73	58.83	59.84	58.81	24.8	24.4	30.6	29.2	28	26.3	27.2	31.3	24.3	86	85	65	68	76	82	77	......
26..	59.08	59.54	60.02	57.89	58.72	59.62	59.14	25.8	25.4	29	30	27.8	26.9	27.5	30.5	25	84	86	74	67	73	76	76.7	......
27..	58.68	59.48	60.14	58.33	58.92	60.07	59.27	25.2	26.1	30.2	29.5	28.3	26.6	27.6	31.1	25	85	82	66	70	78	83	77.3	......
28..	59.36	59.69	60.24	58.22	58.69	59.99	59.36	25.1	24.9	29.2	30	28.6	26	27.3	30.4	24.7	87	87	70	65	73	82	77.3	......
29..	59.63	59.76	60.32	58.04	59.39	60.19	59.56	25.5	25.4	29.9	30.1	26.6	25.9	27.2	30.4	24.9	82	83	63	67	78	79	75.3	......
30..	58.85	59.34	61.18	59.44	60.09	60.99	59.98	25.6	25.5	26.1	26.3	26.2	24.9	25.8	29.3	24.1	81	81	87	80	76	83	81.3	15.7
31..	60.43	60.86	61.53	59.25	59.99	60.96	60.50	23.6	23.7	25.8	26.6	24.9	24.6	24.9	27.2	23	88	85	75	75	91	89	83.8	16.3
Mean	58.63	59.12	59.87	57.85	58.69	59.76	58.99	25.1	24.9	28.4	28.8	27.2	25.7	26.7	29.9	24.3	84.4	85.4	71.7	68.6	77	82.2	78.2	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	142

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1..	N	N	NE	NE	NE	NE	55	76.3	116.9	64.3	312.5	7	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N.
2..	N	N	NE	NE	NE	NE	51	83.6	150.5	47.7	332.8	7	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.-N.
3..	NE	NE	NE	NE	Calm	Calm	60.9	77.4	64.6	16.6	219.5	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu. NNE
4..	SW	S	S	Calm	S	Calm	164.3	76	72.4	63.5	376.2	10	Ci.-S.	N. SSW	9	Ci.-S.	S.-Cu. SSE
5..	W	W	S	SW	SW	W	35.3	30.9	113.2	44.2	223.6	8	Ci.-S.	Cu.-N.	7	Ci.-S.	Cu.
6..	W	W	S	S	SW	Calm	45.1	40.9	133.9	34	253.9	8	Ci.-S.	S.-Cu. S	6	Ci.	Cu. SW
7..	W	NW	SE	S	NE	SW	40.9	39.9	40.1	54.7	175.6	2	Ci.	Cu.	5	Ci.-S.	Cu.
8..	SW	Calm	S	E	NE	N	35.9	32.5	78.5	61.5	208.4	9	Ci.-S.	N.	7	A.-Cu. E	Cu.
9..	N	NE	NE	NE	NE	NE	51.4	86.3	72.9	64.6	275.2	9	Ci.-S.	N. NNE	10	Ci.-S.	N. NE
10..	NE	N	NE	NE	Calm	N	58.6	142.1	78.1	86.3	365.1	9	Ci.-S.	N. ENE	8	A.-Cu. N	S.-Cu.
11..	N	NE	NE	E	NE	N	72.9	97.4	97.1	62.8	330.2	7	Ci.	S.-Cu. NE	7	A.-Cu.	Cu. NE
12..	N	N	NE	NE	NE	Calm	40.2	86.5	78.3	25.1	230.1	9	Ci.-S.	S.-Cu. ENE	8	Ci.-S.	S.-Cu. E
13..	NE	Calm	NE	NE	NE	Calm	37	72.4	85.5	41.5	236.4	4	Ci.	Cu. NE	2	Ci.	Cu.
14..	NE	NE	NE	NE	NE	NE	41.3	70.6	94.5	61.4	267.8	3	Ci.	Cu.	3	Ci.	Cu.
15..	NE	N	NE	NE	NE	NE	67.2	67.9	79.4	35.8	250.3	2	Ci.	Cu.	2	Ci.	Cu.
16..	Calm	NE	NE	NE	NE	NE	46.1	57.6	90.4	51.9	246	6	Ci.	Cu.	4	Ci.	Cu.
17..	NE	NE	NE	NE	NE	NF	46.3	73.9	113	52.5	285.7	4	Ci.	S.-Cu. ENE	3	Ci.	Cu.
18..	NE	NE	E	NE	NE	NE	56.7	79.7	99.6	66.7	302.7	3	Ci.	Cu.	7	A.-Cu.	S.-Cu. ENE
19..	N	NE	NE	NE	NE	N	56.3	74.2	90.6	76.8	297.9	9	Ci.-S.	N. ENE	10	Ci.-S.	N. NE
20..	NE	N	NE	NE	NE	NE	102.2	103.7	94.9	61.9	362.7	9	Ci.-S.	S.-Cu. ENE	8	A.-Cu.	S.-Cu. ENE
21..	N	NE	E	NE	NE	NE	76.1	87.5	98.2	53.3	315.1	10	Ci.-S.	N. ENE	10	Ci.-S.	S.-Cu. ENE
22..	E	NE	NE	NE	NNE	N	87.1	107.7	175.7	87.5	458	8	A.-Cu.	S.-Cu. ENE	8	A.-Cu.	S.-Cu. NE
23..	N	N	NE	NE	NE	NE	62.8	81.3	81.5	54.6	280.2	9	Ci.-S.	S.-Cu. ENE	8	A.-Cu. E	Cu.
24..	Calm	Calm	NE	NE	NE	Calm	24.3	82.1	108.3	28.4	243.1	8	A.-Cu.	S.-Cu.	8	A.-Cu.	Cu.
25..	NE	NE	NE	NE	NE	Calm	29.5	44	108.6	45.6	227.7	2	Ci.	Cu.	4	Ci.	Cu. NE
26..	NE	NE	NE	NE	NE	NE	57.5	108.9	158.5	57.3	382.2	5	Ci.	S.-Cu. E	8	Ci.-S.	S.-Cu. NNE
27..	NE	NE	E	NE	NE	NE	28.9	44.3	114	56.3	243.5	9	Ci.-S.	S.-Cu.	3	Ci.	Cu.
28..	NE	NE	NE	NE	NE	NE	38.2	82.4	115.9	65.6	302.1	2	Ci.	Cu. ENE	2	Ci.	Cu.
29..	N	N	NE	NE	NE	N	49.9	106.1	173	99.3	428.3	4	A.-Cu.	S.-Cu. ENE	4	Ci.	Cu. NNE
30..	N	N	NE	NE	NNE	NNE	84	161.1	202	174.9	622	7	A.-Cu. ENE	S.-Cu.	9	Ci.-S.	N. NNE
31..	N	N	NNE	NE	NE	N	115.3	124.1	149.5	83.4	472.3	10	Ci.-S.	N. NE	9	Ci.-S.	S.-Cu. NE
Mean	......	......	......	......	......	......	58.7	80.6	107.4	60.6	307.3	6.7	....	....	6.6	....	....
Total	......	......	......	......	......	......	......	......	......	......	9,527.1	....	....	....	....	....	....

ILOILO

[$\phi=10°$ 42′ N; $\lambda=122°$ 34′ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.84 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.57	60.69	61.63	59.25	60.27	61.16	60.60	23.6	24	28.5	30.8	27.8	25.2	26.6	31	23.3	90	91	70	64	79	90	80.7	....
2..	60.15	60.39	61.36	59.10	59.91	61.15	60.34	25.2	25	28.5	30.6	28.2	26	27.2	31.2	24.7	92	92	77	63	74	85	80.5	....
3..	60.51	60.84	61.79	59.64	60.21	61.56	60.76	25	24.3	29.2	30.3	28.2	25.6	27.1	31	24.2	92	95	71	63	72	87	80	....
4..	60.85	61.26	62.50	60.16	60.70	61.62	61.18	24.5	24	29.1	30.2	26.6	24.5	26.5	30.8	23.8	94	95	68	62	81	89	81.5	....
5..	61.21	61.49	62.91	60.77	61.76	62.45	61.76	24.2	23.5	28.5	28.5	26	25	26	29.8	23.3	91	91	64	67	76	82	78.5	9.7
6..	62.52	62.74	63.66	61.52	61.88	63.28	62.60	24.2	24.5	28.5	28.7	27	24.8	26.3	29.4	22	86	85	67	69	75	85	77.8	....
7..	62.17	61.94	62.81	60.51	61.57	62.71	61.95	24.6	24.2	28.6	29.5	26.5	25.2	26.4	30.3	23.7	87	86	64	64	82	88	78.5	....
8..	62.01	61.73	62.27	59.75	60.63	61.09	61.25	24.2	23.6	28	29.7	26.8	24.6	26.2	30.2	23.3	91	92	68	58	74	80	77.2	....
9..	60.37	60.77	61.48	59.24	59.44	60.65	60.32	24	23.2	27.8	29.8	27.2	24.5	26.1	30.5	22.9	85	90	68	54	65	82	74	....
10..	60.07	60.24	61.02	58.43	59.11	59.60	59.74	24	22.8	28.5	29.7	27.6	25.4	26.3	30.2	22.6	85	93	63	60	70	84	75.8	....
11..	58.73	59.20	60.45	58.11	58.85	59.76	59.18	24.5	23.9	28.6	30.5	27.8	25	26.7	30.9	23.7	86	92	75	63	71	87	79	....
12..	59.67	59.75	61.15	58.65	59.22	60.65	59.85	23.6	23.4	28.5	31	27.5	24.5	26.4	31.3	23.2	93	92	73	50	66	78	75.3	....
13..	60.17	60.21	61.37	59.35	59.70	61.24	60.34	23	22	28.2	29.3	27	23	25.4	29.9	21.8	83	91	69	56	59	79	72.8	....
14..	61.45	62.13	63.47	61.47	61.60	61.87	62.16	22.5	22	27.5	28.7	26	22.8	24.9	29.4	21.7	82	90	62	47	60	76	69.5	....
15..	62.25	62.34	63.37	60.76	61	62.27	62	21.4	21.3	27.8	29.9	27.2	24	25.3	30.2	21.2	85	93	65	53	65	79	73.3	....
16..	61.79	61.84	62.72	60.91	61.41	62.70	61.90	22.7	22.5	25	28.5	26.7	25.2	25.1	29.1	21.3	85	87	90	64	74	80	80	4.8
17..	62.07	62.33	63.32	61.62	62.55	63.81	62.62	24.2	23.4	28	28.8	27	25.5	26.2	29.3	22.9	85	88	60	60	65	72	71.7	....
18..	62.67	63.49	64.43	62.39	62.82	63.30	63.18	24	23	27.8	29.2	27	23.2	25.7	29.5	22.7	79	83	58	52	66	81	69.8	....
19..	63.26	63.49	64.42	62.26	62.82	64.52	63.46	22.8	22	26.7	28	26.2	22.5	24.7	29.3	21.7	86	91	64	51	60	82	72.3	....
20..	63.07	63.09	63.71	61	61.30	62.92	62.52	22	22.2	27.8	28.5	26.5	24.4	25.2	29	21.5	84	87	62	68	77	80	76.3	....
21..	62.33	62.41	63.45	61.52	61.87	63.21	62.46	23.5	23	26.8	27.3	26.2	25.5	25.4	29.2	22.7	84	84	67	70	75	76	76	....
22..	62.57	62.54	63.33	60.93	61.52	62.73	62.27	24	23	27.6	28.2	26.8	23.4	25.5	28.8	22.2	81	87	63	69	67	83	75	....
23..	62.11	61.58	62.42	60.46	60.85	61.87	61.55	23.2	23.5	26.6	27.1	24.6	24.2	24.9	27.9	22.4	81	83	68	72	85	85	79	....
24..	60.67	60.78	62.20	59.81	60.52	61.12	60.85	23.8	23.6	26	28.2	25	24.2	25.1	28.7	23.5	89	89	80	68	85	88	83.2	....
25..	60.09	60.78	61.80	59.25	59.65	60.92	60.42	24	23.7	28.5	31	27.6	25	26.6	31.4	23.5	91	94	64	58	70	88	77.5	....
26..	60.58	61.17	62.46	59.90	60.92	61.54	61.10	24.2	23.5	28.4	28.8	26.6	23.2	25.8	29.7	21.3	88	87	62	63	67	75	73.7	....
27..	61.09	61.42	62.28	59.92	60.72	62.35	61.30	21.8	22	27.6	29.5	27.2	24	25.4	30.1	21	77	78	59	46	63	81	67.3	....
28..	61.23	61.42	62.58	59.50	60.03	61.19	60.99	23	22.5	27.5	29.6	27	24	25.6	30.3	22.1	88	91	62	50	64	78	72.2	....
29..	60.64	61.32	62.33	60.31	61.05	62.03	61.28	22.6	21.5	27.8	30	27.5	23.5	25.5	30.4	21.2	82	86	62	64	58	77	68.2	....
30..	61.18	61.39	62.12	60.27	60.11	62.15	61.20	23	22.5	28.2	28.5	27	24.2	25.6	30.4	21.7	81	87	62	63	70	80	73.8	....
31..	61.13	61.27	62.22	59.79	60.56	61.75	61.12	23	22.7	28	30	28	25	26.1	30.5	21.9	86	90	70	53	70	83	75.3	....
Mean	61.26	61.49	62.48	60.21	60.79	61.94	61.36	23.6	23.1	27.9	29.3	26.9	24.4	25.9	30	22.5	86.1	89	67	59.5	70.5	81.9	75.7	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							mm.	*mm.*	*mm.*	*mm.*	*mm.*	*0–10*			*0–10*		
1..	N	N	NE	NE	NE	NE	109.6	131.8	122.1	88.8	452.3	8	Ci.-S.	Cu. NE	6	Ci.	Cu.
2..	N	N	NE	NE	NE	N	84	97.6	134.9	88.5	405	6	Ci.	Cu.	2	Ci.	Cu.
3..	NE	N	NE	NE	NE	NE	89.1	137.1	160.9	97.1	484.2	4	Ci.	Cu.	2	Ci.	Cu.
4..	NE	NE	NE	NE	NE	N	90.1	128.2	147.8	110.8	476.9	2	Ci.	Cu.	4	Ci.	Cu.
5..	N	N	NE	N	N	N	115.1	151.8	141.8	102.5	511.2	2	....	Cu.	7	Ci.-S.	Cu.
6..	NE	N	NE	NE	NE	NE	117	173.5	190.5	122.6	603.6	8	Ci.-S.	Cu. NE	3	Ci.	Cu.
7..	NE	NE	NE	NE	NE	NE	132.8	178	186.8	114	611.6	6	Ci.	Cu.	8	Ci.	Cu.
8..	NE	NE	NE	NE	NE	NE	124.1	136.6	163.6	98.2	522.5	6	Ci.-S.	Cu.	2	Ci.	Cu.
9..	NE	NE	NE	NE	NE	NE	87.1	115.7	127.1	83.1	413	5	Ci.	Cu.	4	Ci.	Cu.
10..	NE	NE	NE	NE	NE	NE	89.1	110.5	135.7	80.5	415.8	3	Ci.	Cu.	2	Ci.	Cu.
11..	NE	NE	NE	NE	NE	NE	78.1	102.5	124.5	70	375.1	4	Ci.	Cu.	2	Ci.	Cu.
12..	NE	NE	NE	NE	E	E	60.7	91.1	93.6	67.4	312.8	3	Ci.	Cu.	5	Ci.	Cu.
13..	NE	NE	NE	E	NE	NE	78.3	128.9	149.9	81.1	438.2	3	Ci.	Cu.	2	Ci.	Cu.
14..	NE	NE	NE	NE	NE	NE	96.6	137.1	164.9	73.7	472.3	2	Ci.	Cu.	2	Ci.	Cu.
15..	NE	NE	NE	NE	NE	NE	67	110.4	129.3	62	368.7	1	Ci.	Cu.	2	Ci.	Cu.
16..	NE	NE	E	NE	NE	NE	56.1	106.4	159.1	91.7	413.3	8	Ci.-S.	Cu.	6	Ci.	Cu.
17..	NE	NE	NE	NE	NE	NE	101.4	144.2	179.4	113.8	538.8	3	Ci.	Cu.	6	Ci.	Cu.
18..	NE	NE	NE	NE	NE	NE	111.2	172.2	177.8	103.6	564.8	2	Ci.	Cu.	2	Ci.	Cu.
19..	NE	NE	NE	ENE	NE	NE	105.7	150.3	186.8	88.7	531.5	6	Ci.	Cu.	4	Ci.	Cu.
20..	NE	NE	NE	NE	NE	NE	106.2	164.9	217.4	119.9	608.4	3	Ci.	Cu.	4	Ci.	Cu.
21..	NE	NE	NE	NE	NE	NE	126.5	174.8	164.1	121.8	587.2	7	Ci.-S.	Cu.	7	Ci.-S.	Cu.
22..	NE	N	NE	NE	NE	NE	125.5	159.9	192.9	108.4	586.7	2	Ci.	Cu.	4	Ci.	Cu.
23..	NE	NE	N	N	NE	NE	110.5	179.4	164.6	118.8	573.3	10	Ci.-S.	Cu.	6	Ci.-S.	Cu.-N.
24..	NE	N	N	NE	NE	NE	108.9	142.9	117.2	91.7	460.7	4	Ci.	Cu.	8	Ci.-S.	S.-Cu.
25..	NE	NE	NE	NE	NE	NE	91.5	122.3	160.1	109.1	483	4	Ci.	Cu.	3	Ci.	Cu.
26..	NE	NE	NE	ENE	NE	N	111.6	175.6	197.4	110	594.6	3	Ci.	Cu.	2	Ci.	Cu.
27..	NE	N	N	NE	NE	NE	119.3	164.9	189.9	82.7	556.8	2	Ci.	Cu.	2	Ci.	Cu.
28..	NE	NE	NE	NE	NE	NE	101.1	167.5	207.9	110.4	586.9	2	Ci.	Cu.	3	Ci.	Cu.
29..	NE	NE	NE	NE	NE	NE	103.8	156.4	170.6	61.2	492	2	Ci.	Cu.	2	Ci.	Cu.
30..	NE	NE	NE	NE	N	N	105.2	131.2	139.4	89.9	465.7	7	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.
31..	N	N	N	NE	NE	NE	87.1	132.2	145	81.6	445.9	2	Ci.	Cu.	4	Ci.	Cu.
Mean	......	......	......	......	......	......	99.7	141.2	159.5	95	495.3	4.2	....	....	3.8	....	....
Total	......	......	......	......	......	......	......	......	......	......	15,352.8	....	....	....	....	....	....

ILOILO

[ϕ=10° 42′ N; λ=122° 84′ E; barometer above sea, 6.5 meters; gravity correction not applied, −1.84 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.33	61.39	62.42	60.07	60.52	61.92	61.28	23.6	23	28.3	30.5	27.5	24.5	26.2	31	22.7	88	90	66	48	65	76	72.2	......
2..	61.47	62.18	62.96	60.94	61.60	62.70	61.98	23.5	22.5	28.6	29.5	27	24.2	25.9	30.3	22.4	85	91	63	58	66	78	73.5	......
3..	62.24	63.02	63.27	60.75	61.65	62.92	62.31	24	23.5	28.6	29.9	27.6	24.2	26.3	30.4	23	80	83	60	51	63	78	69.2	......
4..	62.47	63.34	64.02	61.60	62.07	63.51	62.84	23.2	23	28.4	29.2	27	24.4	25.9	29.9	22.7	83	83	58	57	66	75	70.3	......
5..	63.07	64.14	64.30	61.87	63.17	64.25	63.47	23.8	23.4	26.5	29.7	26	24.5	25.6	30.7	21.7	81	85	67	54	67	73	71.2	......
6..	63.56	63.89	64.76	61.90	62.65	63.21	63.33	23.6	23.1	27.6	29	27	24	25.7	29.8	22.3	82	88	69	61	70	84	75.7	......
7..	62.72	63.92	64.61	61.64	61.71	62.97	62.93	23.5	23.5	28	30.5	28	24.8	26.4	30.7	23	87	87	67	54	61	77	72.2	......
8..	62.24	63.48	63.82	61.56	61.84	62.62	62.59	24.2	23.5	28.6	29	27.5	24.5	26.2	30.7	23.3	86	90	66	64	68	83	76.2	......
9..	61.85	62.79	63.51	61.62	61.92	63.02	62.45	23.4	23	28.5	29.6	27	24.8	26	30.8	22.8	91	90	57	55	68	80	73.5	......
10..	62.17	61.79	62.92	60.65	60.95	62.82	61.88	23.8	23	28.7	30.5	27.7	25	26.4	31.2	22.4	86	91	56	54	63	80	71.7	......
11..	62.21	62.43	63.67	60.99	61.75	63.34	62.40	23.9	24	27.5	29.2	27.2	23.6	25.9	29.8	23.3	86	89	70	64	73	93	79.2	0.5
12..	62.13	61.71	62.73	59.85	60.51	61.95	61.48	23.2	23.3	28.5	30.7	28.4	25	26.5	31.2	22.9	91	93	67	55	66	85	76.2	......
13..	60.95	61.33	62.46	59.75	60.27	61.48	61.04	24	23.5	28	30.7	28.6	25.5	26.7	31.4	23.4	91	91	70	61	63	78	75.7	......
14..	60.96	61.22	62.50	60.35	60.76	61.91	61.28	24	23.4	28.5	30.7	27.5	25	26.5	31.4	22.8	87	90	60	50	70	82	73.2	......
15..	61.50	61.84	62.75	60.34	61.09	62.26	61.63	24.2	24.1	28.9	30.4	27.8	26.2	26.9	30.9	23.7	86	88	68	63	73	79	76.2	......
16..	61.68	61.55	61.95	59.85	60.41	61.33	61.13	25	24	29.2	32.5	28.8	25.5	27.5	32.8	23.7	84	87	66	58	69	84	74.7	......
17..	60.37	60.40	61.45	58.41	58.72	60.15	59.92	24.5	23.5	29.8	31.4	28.4	25.6	27.2	32	23.2	86	91	63	59	68	79	74.3	......
18..	59.37	59.59	60.65	58.25	59.06	60.42	59.56	24.5	24	29	30	28	25.2	26.8	30.5	23.2	86	88	62	59	69	82	74.3	......
19..	59.82	60.68	61.55	58.74	59.20	60.78	60.13	24	23.8	29.2	30.7	28.5	26	27	31.2	23.6	86	89	62	55	64	78	72.3	......
20..	60.08	60.67	61.30	58.65	58.57	60.17	59.91	25.2	24.3	28.6	30.7	28	26	27.1	31.5	24.1	84	90	67	58	68	78	74.2	......
21..	59.08	60.02	60.90	57.95	58.25	59.28	59.25	24.8	24	30	31.5	28.9	26	27.5	32.3	23.8	85	91	64	58	65	80	73.8	......
22..	58.60	58.63	59.31	56.75	57.41	59.22	58.32	24.5	24	30.1	33	30	26.5	28	33.2	23.7	87	89	64	50	61	79	71.7	......
23..	58.64	58.92	59.66	57.45	57.72	60.02	58.74	25	24.5	30	31.5	29.2	26	27.7	32.5	24.3	88	92	62	54	63	82	73.5	......
24..	59.62	59.92	60.57	58.15	58.50	60.01	59.46	25.8	25	30.1	31.5	28.5	25.2	27.7	32.3	24.4	78	87	58	40	54	72	64.8	......
25..	59.53	59.55	60.25	58.14	58.90	60.12	59.42	23.4	23	30	29.7	28	24.5	26.4	30.8	22.6	88	91	56	49	61	75	70	......
26..	59.87	60.34	61.56	58.94	59.77	61.57	60.34	23.2	23	29	31.7	27.6	25	26.6	32.2	22.4	81	83	57	43	69	82	69.2	......
27..	60.37	60.71	61.80	59.39	59.49	60.87	60.44	24.2	23.3	29.5	31	28	25.5	26.9	31.8	23	86	91	55	48	67	80	71.2	......
28..	60.12	60.57	61.86	59.41	59.16	60.61	60.29	24.6	24	29	29.7	28	25.5	26.8	31.1	23.7	85	87	61	57	65	77	72	......
Mean	61	61.43	62.27	59.78	60.27	61.62	61.06	24.1	23.6	28.8	30.5	27.9	25.1	26.7	31.2	23.1	85.5	88.8	62.9	54.9	65.9	79.6	72.9	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnignt.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	NE	NE	NE	NE	NE	89.1	137.1	169.1	96.4	491.7	2	Ci.	Cu.	2	Ci.	Cu.
2..	NE	NE	NE	NE	NE	NE	86.3	117	155.6	92.7	451.6	2	....	Cu.	2	....	Cu.
3..	NE	NE	NE	NE	NE	NE	93.6	140	178.6	118.6	530.8	2	Ci.	Cu.	2	Ci.	Cu.
4..	NE	NE	NE	NE	N	N	117.7	141.9	180	111.5	551.1	2	Ci.	Cu.	3	Ci.	Cu.
5..	NE	NE	NE	NE	N	NE	132.5	184.4	208.7	130.6	656.2	7	Ci.-S.	S.-Cu.	5	Ci.	Cu.
6..	N	N	NE	NE	NE	N	141.3	194.4	196.5	141.4	673.6	3	Ci.	Cu.	3	Ci.	Cu.
7..	N	N	NE	NE	NE	NE	132.3	152.7	183.9	112.1	581	4	Ci.	Cu.	2	Ci.	Cu.
8..	N	N	NE	NE	NE	NE	116.5	159.1	207.3	112.5	595.4	2	Ci.	Cu.	3	Ci.	Cu.
9..	NE	NE	NE	NE	NE	NE	122	180.5	209.5	123.7	635.7	2	Ci.	Cu.	3	....	Cu.
10..	NE	NE	NE	NE	NE	NE	111.3	177.6	183.1	87.9	559.9	3	Ci.	Cu.	3	Ci.	Cu.
11..	NE	NE	NNE	NE	N	N	103.2	138.7	138.4	119.4	499.7	4	Ci.	Cu.	4	Ci.	Cu.
12..	N	N	N	NE	NE	N	116.7	134.2	175.5	116.4	542.8	4	Ci.	Cu.	4	Ci.	Cu.
13..	N	N	NE	NE	NE	N	107.8	131.5	160.1	93.3	492.7	4	Ci.	Cu.	3	Ci.	Cu.
14..	NE	NE	NE	NE	N	NE	100.8	137.8	181.3	92.2	512.1	2	Ci.	Cu.	2	Ci.	Cu.
15..	N	NE	NE	NE	N	N	116.2	153.9	170.9	94.3	535.3	7	Ci.-S.	Cu.	7	Ci.	Cu.
16..	NE	N	NE	NE	NE	NE	77	97.7	109.2	72.1	356	4	Ci.	Cu.	5	Ci.	Cu.
17..	NE	NE	NE	E	NE	NE	68.9	88.7	118.6	75.9	352.1	3	Ci.	Cu.	2	Ci.	Cu.
18..	NE	NE	NE	NE	NE	NE	75	132.6	185.6	99.3	492.5	1	Ci.	Cu.	3	Ci.	Cu.
19..	N	N	N	NE	NE	NE	109.6	140	162.2	104.3	516.1	3	Ci.	Cu.	2	Ci.	Cu
20..	NE	NE	NE	NE	NE	N	94.3	141.9	163.5	103.5	503.2	2	Ci.	Cu.	3	Ci.	Cu.
21..	NE	NE	NE	NE	NE	NE	84.3	111.5	123.3	82.4	401.5	4	Ci.	Cu.	3	Ci.	Cu.
22..	NE	NE	NE	NE	NE	NE	82.7	127.9	157.9	91.1	459.6	2	Ci.	Cu.	3	Ci.	Cu.
23..	NE	NE	NE	NE	NE	NE	80	130.7	167.3	106.4	484.4	4	Ci.	Cu.	4	Ci.	Cu.
24..	NE	NE	NE	NE	NE	NE	107.8	136.5	170.1	81.8	496.2	4	Ci.	Cu.	2	Ci.	Cu.
25..	NE	N	NE	NE	NE	NE	100.4	164.6	216.2	96.6	577.8	2	Ci.	Cu.	2	Ci.	Cu.
26..	NE	NE	NE	NE	N	N	118.8	148.2	179.4	116.1	562.5	2	Ci.	Cu.	3	Ci.	Cu.
27..	N	N	NE	NE	NE	N	112.1	152.4	181.5	112.9	558.9	2	Ci.	Cu.	4	Ci.	Cu.
28..	N	N	NE	NE	NE	N	112.5	155.8	182.4	92.3	543	5	Ci.	Cu.	4	Ci.	Cu.
Mean	......	......	......	......	......	......	104	143.2	172	102.8	521.9	3.1	....	....	3.1	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	14,613.4	....	....	....	....	....	....

ILOILO

[φ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.84 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.62	59.70	61.40	59.50	59.13	60.51	59.98	25.2	24.9	28.7	29	27.5	25	26.7	30.1	24	80	81	63	68	72	83	74.5	....
2..	59.67	59.76	61.13	59.40	59.02	61.17	60.02	24.1	24	28.6	30.5	27.7	25.2	26.7	31.9	23.6	86	83	62	54	62	76	70.5	....
3..	60.66	60.94	62.11	59.86	59.94	61.90	60.90	24.2	23.5	28.4	29.2	28.5	25	26.5	30.8	23.3	83	86	58	57	57	77	69.7	....
4..	60.97	61.03	62.50	60.07	60.17	61.93	61.11	24.2	23.6	29.5	30.5	27.8	25	26.8	30.9	23.8	83	84	55	53	66	76	69.5	....
5..	61.37	61.29	62.56	59.90	59.96	61.46	61.09	23.5	22.7	29.2	30.3	28.2	25.6	26.6	30.9	22.4	82	85	55	54	61	73	68.3	....
6..	61.17	61.57	61.98	59.50	59.41	61.26	60.82	23.5	23	29	32.4	28.4	25	26.9	32.8	22.7	83	87	49	29	44	72	60.7	....
7..	60.31	60.84	61.70	59.47	59.35	60.97	60.44	24.5	24.2	29.6	30.7	28	24.5	26.9	31.2	23.7	79	86	59	50	58	76	68	....
8..	60.47	60.82	61.25	58.97	59.41	61.20	60.35	23.5	22.7	29	30	28	25.2	26.4	31	22.5	83	85	58	53	62	77	69.7	....
9..	60.35	60.37	61.35	59.02	59.36	60.96	60.24	24	23.6	29.2	30.6	27.4	25.4	26.7	32.5	23.4	85	88	63	58	74	84	75.3	....
10..	60.23	60.82	62.02	59.95	59.49	61.28	60.63	25	24.3	29.7	30.7	28	25.5	27.2	31.9	24.2	86	91	61	55	63	76	72	....
11..	60.55	61.16	61.62	59.29	59.64	61.33	60.60	24.2	23.2	29.7	30.4	28.8	25.5	27	31.3	22.8	82	87	55	55	58	76	68.8	....
12..	60.59	61.16	62.54	59.79	60.19	61.52	60.96	24.5	23.6	29.5	30.5	27.8	26.4	27	31.3	23.3	83	87	61	56	69	79	72.5	....
13..	60.42	60.95	62.35	59.94	59.36	61.16	60.70	25.6	25.4	29.4	30.5	28.5	25.5	27.5	31.2	24.5	82	84	63	51	60	78	69.7	....
14..	60.41	60.78	62.15	59.28	59.61	61.67	60.65	24	23.7	29	32	29.7	26.5	27.5	32.5	23.4	86	87	61	46	56	73	68.2	....
15..	60.50	61.02	62.59	60.24	60.19	61.40	60.99	25.5	25.2	29.4	29	27.8	26.5	27.2	32	24.2	81	83	67	66	73	77	74.5	4.3
16..	60.62	60.78	61.84	59.60	59.47	61.22	60.59	24.6	24	29.5	29.5	27.6	25.2	26.7	30.4	23.7	87	90	55	58	66	78	72.3	....
17..	60.80	60.19	62.23	59.93	60.35	61.96	60.91	24.4	24	28.5	30.2	27	25.5	26.6	31.4	23.7	83	88	67	59	75	83	75.8	.5
18..	60.87	61.12	62.24	60.14	60.55	62.37	61.22	24.6	24	30.4	31.7	29	26	27.6	32.1	23.8	87	88	54	50	61	77	69.5	....
19..	61.40	61.57	62.90	60.15	60.56	62.31	61.48	24.8	24.2	29.7	32.5	29.5	27	28	32.9	24	83	90	63	49	66	78	71.5	....
20..	61.12	61.50	62.42	59.51	59.93	61.44	60.99	25.5	25.2	30.4	31.5	29.7	26.5	28.1	32.7	24.9	86	88	64	55	58	70	70.2	....
21..	60.35	60.49	61.41	58.90	59.23	60.78	60.19	25	24.3	30.2	32	28.7	25.6	27.6	32.3	24.1	83	86	54	43	58	66	65	....
22..	60.68	60.72	61.21	58.43	58.55	60.60	60.03	24.4	23.3	29.5	34.4	29.6	26	27.9	34.7	23.1	68	84	49	28	55	66	58.3	....
23..	60.12	60.37	61.31	58.58	59.28	60.05	59.95	24.2	23	29.5	33.5	29	26	27.5	34.3	22.7	75	84	61	32	52	63	61.2	......
24..	59.72	59.80	60.56	58.29	58.65	60.30	59.55	24.5	23.7	31.2	32.5	28.5	26.5	27.8	33.2	23.7	71	77	58	53	67	69	65.8	....
25..	59.56	59.68	60.65	57.87	58.66	60.87	59.55	24.5	23.5	30.2	33	30	26.6	28	33.5	23.1	76	79	58	39	59	77	64.7	....
26..	60.28	60.63	61	58.23	58.74	60.34	59.87	25.2	24	29.5	31.8	29.6	26.5	27.8	32.5	23.9	85	87	55	44	59	76	67.7	3.3
27..	59.60	59.40	60.69	58.11	58.30	60.07	59.36	24	24	30	32	29.5	26.2	27.6	32.4	23.7	92	92	59	47	60	79	71.5	....
28..	59.44	59.67	60.57	57.91	59.04	60.89	59.59	24.8	24.8	30.6	31.5	29	25.5	27.7	32	24.7	85	88	64	56	65	86	74	....
29..	59.58	59.67	60.32	58.25	58.55	60.55	59.49	24.9	23.8	29.7	31.5	28.8	26	27.4	31.8	23.7	86	86	60	48	61	76	69.5	....
30..	59.39	59.25	59.69	56.95	57.53	60.22	58.84	25	24.7	29.6	32.2	29.8	27.5	28.1	32.4	24.6	83	86	64	48	56	68	67.5	....
31..	59.02	58.48	59.77	57.22	57.60	59.47	58.59	25.5	24.8	30	32	29	27	28	32.8	24.7	81	86	62	54	71	80	72.3	....
Mean	60.32	60.50	61.55	59.10	59.33	61.07	60.31	24.6	24	29.6	31.2	28.6	25.9	27.3	32.1	23.7	82.4	85.9	59.3	50.6	62.1	75.6	69.3	....
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	8.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	N	NE	NE	NE	NE	N	107.2	153.1	135.8	101.1	497.2	2	Ci.	Cu.	6	Ci.-S.	Cu.-N.
2..	N	N	NE	NE	NE	NE	92.7	121.3	156.4	104.1	474.5	5	Ci.	Cu.	7	Ci.	Cu. NE
3..	N	N	NE	NE	NE	NE	108.6	167.5	172.8	111.2	560.1	2	Ci.	Cu.	6	Ci.	Cu.
4..	NE	N	NE	NE	NE	NE	130.2	169.2	182.1	104.8	586.3	4	Ci.	Cu.	3	Ci.	Cu.
5..	NE	NE	NE	E	NE	NE	120.5	164.1	184.5	100.6	569.7	2	Ci.	Cu.	2	Ci.	Cu.
6..	NE	NE	NE	NE	NE	NE	109.7	142.6	168.3	81.9	502.5	2	Ci.	Cu.	3	Ci.	Cu.
7..	NE	NE	NE	NE	NE	NE	113.5	153.9	191.5	101.2	560.1	3	Ci.	Cu.	3	Ci.	Cu.
8..	NE	NE	NE	NE	NE	NE	89.8	142.6	157.1	93.9	483.4	3	Ci.	Cu.	2	Ci.	Cu.
9..	NE	NE	NE	NE	NE	NE	88.8	131.5	146.1	135.4	501.8	4	Ci.	Cu.	7	Ci.	Cu.
10..	N	NNE	NE	NE	NE	NE	102.4	131	182.9	80	496.3	8	Ci.-S.	Cu.	6	Ci.	Cu.
11..	NE	NE	NE	NE	NE	NE	117.8	168.4	178.6	107.3	572.1	3	Ci.	Cu.	3	Ci.	Cu.
12..	NE	NE	NE	NE	NE	N	71.9	123.4	161.2	111	467.5	2	Ci.	Cu.	6	Ci.	Cu.
13..	NE	NE	NE	NE	NE	NE	101.9	130.7	168.4	93	494	7	Ci.	Cu.	7	Ci.	Cu.
14..	NE	NE	NE	NE	NE	NE	115.7	164.9	154	110.8	545.4	2	Ci.	Cu.	4	Ci.	Cu.
15..	NE	NE	NE	NE	NE	NE	98.5	97.4	119.9	82.3	398.1	7	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N.
16..	NE	NE	NE	NE	NE	NE	89.1	148.4	200.3	113.7	551.5	8	Ci.-S.	Cu.	4	Ci.	Cu.
17..	NE	NE	NE	NE	NE	NE	112.3	110.4	171.7	104	498.4	4	Ci.	Cu.	4	Ci.	Cu.
18..	NE	NE	NE	NE	NE	NE	110	152.9	171.4	112.9	547.2	2	Ci.	Cu.	3	Ci.	Cu.
19..	NE	NE	NE	NE	NE	NE	81.9	122	140.3	109.7	453.9	2	Ci.	Cu.	3	Ci.	Cu.
20..	NE	NE	NE	NE	NE	NE	77.5	128.9	156.6	87.7	450.7	4	Ci.	Cu.	4	Ci.	Cu.
21..	NE	NE	NE	NE	NE	NE	94.3	133.8	150.2	75	453.3	3	Ci.	Cu.	3	Ci.	Cu.
22..	NE	NE	NE	NE	Calm	NE	89.1	65	55.8	62.3	272.2	2	Ci.	Cu.	2	Ci.	Cu.
23..	NE	NE	NE	NE	SW	W	65	68.1	69.2	75	277.3	3	Ci.	Cu.	1	....	Cu.
24..	N	Calm	NE	NE	NE	NE	46.2	81.3	123.6	92	343.1	0	Ci.	Cu.	4	Ci.	Cu.
25..	NE	N	NE	NE	NE	NNE	86.6	134.4	158.2	106.8	486	2	Ci.	Cu.	2	Ci.	Cu.
26..	N	N	NE	NE	NE	NE	106.4	183.6	185	136	611	2	Ci.	Cu.	2	Ci.	Cu.
27..	NE	NE	NE	NE	N	N	104	155.9	174.3	83.7	517.9	4	Ci.	Cu.	3	Ci.	Cu.
28..	N	N	NE	NE	NE	N	99.3	136.3	171.1	116.1	522.8	8	A.-Cu.	Cu.	4	Ci.	Cu.
29..	N	N	NE	NE	NE	N	89.5	151.9	211.9	90.6	543.9	2	Ci.	Cu.	2	Ci.	Cu.
30..	N	NE	NE	NE	NE	NE	110.8	160.3	169.1	73.5	513.7	3	Ci.	Cu.	2	Ci.	Cu.
31..	NE	NE	NE	NE	NE	Calm	80.5	104.4	104.1	32.2	321.2	3	Ci.	Cu.	5	Ci.	Cu.
Mean	......	......	......	......	......	......	97.2	135.5	157.2	96.4	486.2	3.5	....	....	3.9	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	15,073.1	....	....	....	....	....	....

ILOILO

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6.5 meters; gravity correction not applied, −1.84 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.96	59.44	60.42	57.63	59.06	60.90	59.40	25.5	25.2	31	33	28	27	28.3	33.9	25	83	88	62	47	71	77	71.3	....
2..	59.07	59.53	61.19	58.65	59.79	60.90	59.86	25.5	25.5	31	33	29.2	26	28.4	33.8	24.5	80	81	64	45	66	73	68.2	....
3..	60.02	59.88	60.16	57.92	57.91	59.44	59.22	24.5	24	31.2	32.2	29.7	26.8	28.1	32.6	23.7	78	80	60	45	57	67	64.5	....
4..	58.78	59.10	60.42	57.60	58.34	60.62	59.14	25.2	24.8	30.9	33.4	29.5	26.8	28.4	33.6	24.5	78	83	57	48	61	69	66	....
5..	59.96	59.88	60.76	57.77	58.97	61.45	59.80	25.5	24.3	30.3	34.1	30	27	28.5	35.2	24.1	75	80	59	36	57	65	62	....
6..	60.40	60.23	61.14	58.58	59.25	60.79	60.06	25	24.5	30.5	34.2	30	26.8	28.5	34.5	24.3	73	81	53	34	53	65	59.8	....
7..	60.16	60.27	60.19	57.50	57.87	59.38	59.23	25.5	25.5	31	32	29.3	26	28.2	32.6	25.1	74	84	59	49	56	70	65.3	....
8..	58.60	58.48	58.77	56.19	57.26	58.53	57.97	25	24.8	30.8	32	30	26	28.1	33.5	24.3	80	85	57	53	69	87	71.8	9.1
9..	57.24	57.60	58.37	56.03	56.75	58.62	57.44	25.4	25	29.1	31.6	29.5	26	27.8	31.9	24.2	92	98	77	56	70	87	80	2.3
10..	57.29	57.40	58.37	56.05	56.91	58.59	57.44	25.4	24.8	31.5	33.4	30	28	28.8	33.6	24.1	87	89	57	48	67	76	70.7	....
11..	57.82	58.21	59.05	55.86	56.37	58.32	57.60	26.5	25.8	31.6	34.3	30.5	28.5	29.5	35.3	25.7	83	91	63	47	63	73	70	....
12..	57.42	57.79	58.85	56.32	56.80	58.51	57.62	27.4	25.5	32.2	33	30	27	29.2	34.5	25.3	78	88	53	52	60	71	67	....
13..	58.45	58.54	59.34	56.43	56.68	58.99	58.07	25.5	25.1	31.2	32.4	30	28.5	28.8	33	24.6	77	83	56	54	59	66	65.8	3.3
14..	58.38	58.66	59.71	57.08	58.45	59.78	58.68	27.2	25	30.5	33	29.8	28.8	29	34	24.6	77	94	70	50	64	72	71.2	....
15..	58.90	59.42	60.06	57.90	57.93	60.72	59.16	27.2	26.4	30.5	32.5	30	27.5	29	33.2	26.3	78	86	62	50	61	68	67.5	....
16..	59.96	59.51	60.11	57.27	57.20	59.61	58.94	26.4	25.2	31.5	32.8	30.5	26.8	28.9	33.5	24.8	73	82	60	41	55	71	63.7	....
17..	58.73	58.84	59.74	57.03	57.07	59.33	58.46	25.6	25.5	31.4	33.5	30.2	27.6	29	33.6	25.1	83	85	56	48	60	73	67.5	....
18..	58.42	58.73	59.99	57.26	57.79	59.48	58.61	25.8	26	32	33.5	30.5	27.8	29.3	33.5	25	85	86	54	48	58	68	66.5	....
19..	58.90	59.42	60.44	58.30	58.64	60.65	59.39	26.5	26.2	31.3	33.5	30.5	29	29.5	34	26	80	86	60	51	62	68	67.8	....
20..	60.34	60.26	61.15	58.67	59.08	61.70	60.20	27	26.2	31	32.4	30.5	27.2	29	33.2	26	80	86	59	52	59	71	67.8	....
21..	60.54	60.97	60.65	58.50	59.08	60.55	60.05	26.5	25.5	30.4	31.8	29.6	27	28.5	32.5	25.4	80	85	60	43	59	68	65.8	....
22..	60.20	59.97	60.66	58.03	58.56	60.18	59.60	26	25.2	31.4	32.8	29.8	27.6	28.8	33.4	25	82	86	54	48	62	71	67.2	....
23..	59.47	60.55	61.09	57.83	58.55	61.13	59.77	26.5	26	30.5	32.3	30.2	27.8	28.9	33	25.7	77	82	61	50	60	71	66.8	71.6
24..	60	60.41	61.08	58.42	59.01	61.30	60.04	23.8	25	30.5	31.8	29.8	27.6	28.1	32.3	23.2	95	90	60	52	61	73	71.8	....
25..	60.15	60.25	60.70	57.88	58.69	60.53	59.70	26.6	25.8	30.7	32.5	30	27.8	28.9	32.8	25.3	80	85	58	49	62	71	67.5	....
26..	58.94	59.80	60.30	57.55	58.27	59.73	59.10	26.5	25.5	30.4	32.5	30.2	27.2	28.7	32.7	25	76	84	63	47	56	67	65.5	....
27..	58.76	58.87	59.40	56.45	57.33	59.11	58.32	25.5	24.8	31.5	34.5	30.2	28	29.1	34.8	24.6	78	85	58	41	61	69	65.3	....
28..	58.20	58.28	58.92	56.69	57.76	58.40	58.04	26.2	26	30.5	31	29	27.5	28.4	31.7	25.3	79	84	62	53	64	72	69	....
29..	58.05	58.27	59.25	56.83	58.25	59.98	58.44	26.5	25.8	30.5	32.7	27.6	27.4	28.4	33.2	24.5	76	81	65	49	74	78	70.5	2.5
30..	58.80	58.57	59.58	57.18	57.28	59.33	58.46	26	25.5	30.5	31.6	30.2	28.5	28.7	32.3	24.6	82	84	65	54	56	66	67.8	....
Mean	59.03	59.24	60	57.38	58.03	59.88	58.93	25.9	25.3	30.9	32.8	29.8	27.4	28.7	33.4	24.9	80	85.4	60.1	48	61.4	71.4	67.7	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	88.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1..	NE	NE	NE	NE	NE	Calm	45.6	39.1	94.3	24.7	203.7	7	Ci.	Cu.	3	Ci.	Cu.
2..	NE	NE	NE	NE	N	N	45.7	92.5	113.3	58.4	309.9	2	Ci.	Cu.	4	Ci.	Cu.
3..	N	N	N	NE	NE	NE	63.8	95.3	138.4	72.6	370.1	2	Ci.	Cu.	3	Ci.	Cu.
4..	NE	NE	NF	NE	NE	NE	48.9	100.6	108.8	56.3	314.6	4	Ci.	Cu.	3	Ci.	Cu.
5..	NE	NE	NE	E	SW	SW	73.5	85.1	73.4	75.4	307.4	1	Ci.	Cu.	3	Ci.	Cu.
6..	NW	NW	NE	NE	NE	NE	59.3	86.1	91.1	76.6	313.1	3	Ci.	Cu.	2	Ci.	Cu.
7..	NE	NE	NE	NE	NE	NE	76.1	116.9	184.7	100.4	478.1	4	Ci.	Cu.	2	Ci.	Cu.
8..	NE	N	NE	NE	N	NE	107.5	138.2	160.7	113.8	520.2	2	Ci.	Cu.	4	Ci.	Cu.
9..	N	N	NE	NE	NE	N	90.4	99	143.5	109.7	442.6	10	Ci.-S.	Cu.-N. NE	6	Ci.	Cu.
10..	N	N	N	NE	NE	NE	96.1	108.9	113.8	58.7	377.5	4	Ci.	Cu.	2	Ci.	Cu.
11..	NE	NE	NE	NE	NE	NE	57.3	67.4	120.9	105.9	351.5	1	Ci.	Cu.	2	Ci.	Cu.
12..	NE	NE	NE	NE	NE	NE	76.1	77.4	141.1	97.6	392.2	2	Ci.	Cu.	3	Ci.	Cu.
13..	NE	NE	NE	NE	NE	NE	67.9	108.3	130.2	95.2	401.6	2	....	Cu.	4	Ci.	Cu.
14..	N	N	N	NE	NE	NE	89.9	93.1	100.3	43.7	327	9	Ci.-S.	Cu.	6	Ci.	Cu.
15..	NE	NE	NE	NE	NE	NE	57.6	105.2	144.2	63.1	370.1	6	Ci.-S.	Cu.	7	Ci	Cu.
16..	NE	NE	NE	NE	NE	NE	63.6	136.8	161.2	91.4	453	2	Ci.	Cu.	2	Ci.	Cu.
17..	NE	NE	NE	NE	NE	NE	62.3	115.9	131.5	102.8	412.5	6	Ci.-S.	Cu.	2	....	Cu.
18..	NE	NE	NE	NE	NE	NE	58.9	88.3	142.2	86.9	376.3	5	Ci.	Cu. NE	3	Ci.	Cu.
19..	NE	N	NE	NE	NF	NE	81.8	111	148.1	113.2	454.1	4	Ci.	Cu.	3	Ci.	Cu.
20..	NE	NE	NE	NE	NE	NE	91.1	149.1	180	78.4	498.6	5	Ci.	Cu. NE	3	Ci.	Cu.
21..	NE	NE	NE	NE	NE	NE	93.1	163	171.1	70.8	498	4	Ci.	Cu.	5	Ci.	Cu.
22..	N	NE	NE	NE	NE	NE	93	146.6	176.7	98.4	514.7	3	Ci.	Cu.	5	Ci.	Cu.
23..	NE	NF	NE	NE	NE	NE	92.5	116.4	128.4	100.4	437.7	6	Ci.	Cu.	7	Ci.	Cu.
24..	Calm	N	NE	NE	NE	NE	61.4	109.6	140.3	93.6	404.9	7	Ci.	Cu.	5	Ci.	Cu.
25..	N	N	NE	NE	NE	NE	102.8	137.8	145.3	70	455.9	7	Ci.	Cu.	4	Ci.	Cu.
26..	NE	NE	NF	NE	NE	NE	59	94.3	115.1	79.7	348.1	7	Ci.	Cu.	8	Ci.-S.	Cu.
27..	NE	NE	NE	NE	NE	NE	73.7	80.8	110.2	80.3	345	3	Ci.	Cu.	5	Ci.	Cu.
28..	NF	NE	NE	NE	NE	NE	73.8	129.3	144.2	75	422.3	8	Ci.-S.	Cu.	8	Ci.-S.	Cu.
29..	NE	NE	NE	NE	N	NE	77.2	119.1	177.2	96.8	470.3	6	Ci.	Cu.	3	Ci.	Cu.
30..	NE	NE	NE	NE	NE	NE	74.8	121.3	151.8	89.3	437.2	4	Ci.	Cu.	2	Ci.	Cu.
Mean	......	......	......	......	......	......	73.8	107.7	136.1	82.6	400.3	4.5	....	....	4	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	12,008.2	....	....	....	....	....	....

ILOILO

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.84 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.80	59.25	59.43	56.85	57.43	59.13	58.48	26.5	26	31.2	32	30.2	28.6	29.1	33	25.5	76	77	52	49	54	63	61.8	......
2..	58.77	59.37	59.90	56.92	57.32	59.90	58.70	25.8	26	30.8	33.5	30.5	27.5	29	34.1	25.1	76	85	58	37	53	68	62.8	......
3..	58.76	58.87	59.55	57.48	57.43	59.43	58.59	26	25.5	31.2	31.5	30	28	28.7	31.9	24.8	79	84	60	52	57	74	67.7	......
4..	58.60	58.73	59.16	57.52	57.74	59.69	58.57	26.2	25.8	30.8	33	31	28	29.1	33.4	25.5	84	84	57	44	55	70	65.7	......
5..	59.48	59.57	60.23	58.33	58.68	59.54	59.30	27.2	26.6	30.7	32.1	30.2	28	29.1	32.7	26.3	81	86	64	57	62	74	70.7	......
6..	59	59.59	60.13	57.65	58.30	59.59	59.04	26.6	26.1	30.7	31.5	30.2	28.5	28.9	32.7	25.9	83	86	56	58	64	74	70.2	......
7..	58.60	59.07	59.64	57.06	57.38	58.95	58.45	27	26.5	31	32.9	31.4	28	29.5	33.2	26.2	81	84	62	50	56	73	67.7	......
8..	58.19	58.12	59.14	56.86	57.43	59.63	58.23	26.8	26.5	30.8	33.2	30.6	28	29.3	33.5	25.9	80	84	63	49	58	70	67.3	......
9..	58.82	59.01	59.33	56.79	57.33	59.53	58.47	26.8	26.5	31.5	34.6	31	28.4	29.8	34.6	25.9	81	84	56	43	56	68	64.7	......
10..	58.50	58.57	59.23	56.70	56.82	58.91	58.12	26.5	26.2	31.5	33	29.4	27.8	29.1	34.9	26	76	82	62	61	79	76	72.7	......
11..	57.80	57.86	58.37	55.87	57.34	59.95	57.86	27	26.2	32.7	29.7	29.5	24.5	28.3	33.6	23.8	83	84	51	72	70	92	75.3	36.3
12..	58.32	58.44	58.69	56.37	56.52	58.38	57.79	25	25.2	30.7	32	29.4	28.5	28.5	33.2	24.6	92	90	64	63	75	81	77.5	8.1
13..	57.67	58.05	58.70	56.01	56.58	58.48	57.58	26	26	31.6	34	29.3	28.4	29.2	34.1	25.2	94	88	60	52	76	83	75.5	2.8
14..	57.89	57.93	58.54	55.68	56.98	58.55	57.60	26.8	26.2	31.5	32	29	27.6	28.8	33.3	25.7	87	86	64	69	81	86	78.8	......
15..	57.66	57.50	58.20	56.12	56.74	57.75	57.33	26.4	25.5	31	30.7	28	26.8	28.1	33	25.1	87	88	72	74	69	77	77.8	......
16..	57.27	57.31	57.94	55.44	55.82	58.25	57	25.8	25.5	32.5	32	29.5	27.8	28.8	33.6	24.7	82	83	58	63	78	84	74.7	......
17..	57.46	57.45	57.77	55.49	56.69	58.38	57.21	26.5	25.7	32.5	32.6	28.3	26.4	28.7	34.8	25.4	88	90	61	66	74	78	76.2	......
18..	57.20	57.61	58.03	55.79	56.45	58.23	57.22	26.2	25.6	30.4	30.2	28.7	28	28.2	32.2	25.4	85	87	72	77	83	86	81.7	.8
19..	57.85	58.15	58.35	56.22	56.88	58.84	57.72	26.5	25.7	30.3	31.7	29.2	28.5	28.6	32.2	25.2	91	94	76	65	76	83	80.8	2.8
20..	58.64	59.12	59.60	56.73	57.51	59.69	58.55	25.8	26	29.4	30.5	28.7	26.5	27.8	31.4	24.7	90	94	70	72	80	92	83	2
21..	59.16	59.37	59.65	57.19	57.42	59.55	58.72	26.6	27	31.3	33.2	31.5	27.8	29.6	34.3	25.8	92	94	70	58	63	82	76.5	......
22..	58.79	58.37	58.94	56.46	57.52	58.87	58.16	27.2	27	31.5	34.2	30.9	29.2	30	34.5	26.1	87	90	72	42	72	79	73.7	2.3
23..	58.37	58.60	59.03	56.78	58.01	59.26	58.34	26.5	26.5	32	29.9	26.2	26.5	27.9	32.7	24.9	88	86	69	76	89	90	83	6.1
24..	58.68	58.42	59.65	57.83	57.66	59.44	58.61	25.2	25.2	29.8	27.5	28.3	27.5	27.2	31.8	24.3	92	91	78	92	85	90	88	8.4
25..	58.36	58.95	59.66	57.18	58.18	59.31	58.61	26.4	26.5	31.4	31.5	29.2	28	28.8	31.9	25.7	93	91	74	69	81	88	82.7	......
26..	58.40	58.37	58.57	56.60	57.26	58.88	58.01	26	25.4	30.7	31	29.2	28.8	28.5	31.8	24.9	94	93	77	72	76	80	82	......
27..	57.54	57.37	57.83	55.26	56.20	57.80	57	27.8	27	31	32.1	28.8	28	29.1	32.4	26.3	83	82	72	69	80	83	78.2	.3
28..	56.90	57.16	58.10	55.94	56.25	58.18	57.09	27	25.7	30.6	30.3	28.8	28	28.4	31.3	25.2	83	90	71	73	80	81	79.7	......
29..	56.77	56.66	57.73	55.66	56.18	57.89	56.82	26.8	26	32.8	31.7	29.5	29	29.3	33.5	25.6	89	92	59	68	73	76	76.2	.8
30..	57.20	57.57	57.86	56.43	57.17	59.20	57.57	27	25.5	28.8	31.5	26.8	27.5	27.8	32.7	24.9	78	86	77	68	86	81	79.3	2
31..	58.22	58.59	59.47	57.95	57.51	58.63	58.40	26	25.2	28.6	29.5	26.9	26	27	30.8	25	88	94	82	78	85	87	85.7	6.1
Mean	58.18	58.35	58.92	56.62	57.18	58.96	58.04	26.4	26	31	31.8	29.4	27.7	28.7	33	25.3	85.3	87.4	65.8	62.5	71.8	79.6	75.4	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	78.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	NE	NE	ENE	NE	NE	91.4	129.3	155.5	87.4	463.6	2	Ci.	Cu.	1	....	Cu.
2..	NE	NE	NE	NE	NE	NE	77.5	129.8	175.2	76.6	459.1	3	Ci.	Cu.	2	Ci.	Cu.
3..	NE	NE	NE	NE	NE	NE	79.7	154.3	164.1	92	490.1	3	Ci.	Cu.	9	Ci.-S.	Cu.
4..	NE	NE	NE	NE	NE	NE	100.1	145.6	155.3	90.6	491.6	7	Ci.	Cu.	2	Ci.	Cu.
5..	N	NNE	NE	NE	NE	NE	77.2	142.1	162.3	116.1	497.7	8	Ci.	Cu. NE	7	Ci.-S.	Cu.
6..	N	N	NE	NE	NE	NE	85.8	122.6	147.5	88	443.9	4	Ci.	Cu. NE	9	A.-Cu.	Cu.
7..	NE	NE	NE	NE	NE	NE	85.6	119.7	153.2	90.4	448.9	4	Ci.	Cu.	3	Ci.	Cu.
8..	NE	NE	NE	NE	NE	NE	69.7	134.6	153.2	92	449.5	3	Ci.	Cu.	4	Ci.	Cu.
9..	NE	NE	NE	NE	NE	NE	65.4	99.8	112.9	61.5	339.6	4	Ci.	Cu.	2	Ci.	Cu.
10..	NE	NE	NE	SW	SW	NW	56.6	59.5	65	58.1	239.2	7	Ci.-S.	Cu.	5	Ci.-S.	Cu.
11..	N	Calm	N	SW	Calm	SE	37	51.5	88.7	43.1	220.3	2	Ci.	Cu.	8	Ci.-S.	Cu.-N.
12..	Calm	Calm	Calm	SW	Calm	Calm	14	24.9	74.3	32.7	145.9	8	Ci.-S.	Cu.-N.	5	Ci.-S.	Cu.
13..	Calm	E	NE	NE	SW	SW	27.6	37.6	60.9	44.1	170.2	7	Ci.	Cu.	4	Ci.	Cu.
14..	SE	NE	NE	SW	SW	SW	35.1	48.5	82.1	48.5	214.2	9	Ci.-S.	Cu.	7	Ci.-S.	Cu.-N.
15..	W	Calm	W	SW	Calm	NW	28.5	37	67	23	155.5	8	Ci.-S.	Cu.	8	Ci.-S.	S.-Cu.
16..	Calm	Calm	NW	SW	SW	NE	18.3	31.7	79.2	45.1	174.3	4	Ci.	Cu.	6	Ci.-S.	Cu.
17..	Calm	NE	NE	SW	Calm	NE	29.2	34.8	65.5	31.2	160.7	6	Ci.	Cu.	7	Ci.-S.	Cu.-N.
18..	NE	Calm	E	SW	SW	SW	9.5	41.5	73.7	33.6	158.3	7	Ci.	Cu.	7	Ci.-S.	Cu.
19..	Calm	Calm	SW	SW	SW	SW	29.6	49.4	104.1	36	219.1	6	Ci.	Cu.	7	Ci.-S.	Cu.-N.
20..	W	N	SW	SW	SW	S	42.8	38.6	82.4	39.7	203.5	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.
21..	SW	SW	NE	NE	NE	Calm	27.1	31.2	83.9	41.2	183.4	8	Ci.-S.	Cu.	8	Ci.-S.	Cu.
22..	S	S	NE	NE	S	SW	39.9	76.4	106.4	41.8	264.5	9	Ci.	Cu.	3	Ci.	Cu.
23..	Calm	Calm	SW	SW	W	Calm	23.9	38.9	47.8	18.2	128.8	8	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N.
24..	Calm	Calm	W	E	S	Calm	15.1	38.8	57.9	13.1	124.9	8	Ci.	Cu.	10	Ci.-S.	Cu.-N.
25..	Calm	Calm	S	SW	SW	SW	12.7	58.2	82.6	32	185.5	7	Ci.-S.	Cu.	7	Ci.-S.	Cu.-N.
26..	Calm	Calm	SW	SW	SW	S	14.5	52.8	77.4	54.9	199.6	6	Ci.	Cu.	7	Ci.-S.	Cu.-N.
27..	S	SW	SW	SW	SW	SW	37	80.5	122.1	71.3	310.9	6	Ci.	Cu.	7	Ci.-S.	Cu.
28..	S	SW	SW	SW	SW	S	49.9	75	85.5	46.4	256.8	8	Ci.-S.	Cu.	6	Ci.-S.	Cu.
29..	Calm	Calm	SE	SW	SW	SW	13.1	32	67.6	50.2	162.9	8	Ci.	Cu.	8	Ci.-S.	Cu.
30..	E	Calm	E	SW	S	S	30	28.8	67	31.4	157.2	10	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.
31..	Calm	Calm	SW	S	Calm	SE	27.4	30.8	41	28.7	127.9	9	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
Mean	......	......	......	......	......	......	43.6	70.2	98.8	53.5	266.1	6.4	....	....	6.3	....	....
Total	......	......	......	......	......	......	......	......	......	......	8,247.6	....	....	....	....	....	....

ILOILO

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6.5 meters; gravity correction not applied, −1.84 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	mm.
1..	58.84	58.88	59.40	56.83	56.53	58.10	58.10	25.5	25	31	32.7	31	28.4	28.9	33	24.1	89	92	67	55	62	77	73.7	......
2..	57.30	57.32	57.85	55.71	55.66	57.76	56.93	27.4	27	31.6	33	31.1	28.5	29.8	33.3	26.5	84	88	65	55	64	70	71	......
3..	56.75	56.92	57.45	55.62	56.52	57.75	56.84	26.8	26.6	31.5	30.3	27.5	26.2	28.2	33.6	25.4	78	83	65	76	84	89	79.2	9.1
4..	56.98	57.19	57.79	56.02	56.81	57.86	57.11	25.2	25	31.4	31.7	28.4	27.6	28.2	33.5	24.3	88	83	63	71	73	81	76.5	......
5..	57.84	58.26	58.88	56.82	58.05	59.30	58.19	26.5	26.1	30	30.7	26.5	25.5	27.6	31.9	24.4	86	89	75	74	88	92	84	4.3
6..	58.28	58.84	59.24	57.90	58.61	59.70	58.76	25.4	25.3	31.2	26.7	25.5	24.8	26.5	32	24.5	93	94	68	82	93	93	87.2	3.1
7..	58.74	58.78	59.05	56.64	57.99	59.37	58.43	24.5	24.7	30.9	33.1	29.1	26.8	28.2	33.3	23.2	94	90	69	63	74	90	80	15.2
8..	58.40	58.28	58.32	57.09	56.92	58.21	57.87	24.5	25	29.5	27	24.5	25.4	26	30.4	23.6	94	95	75	79	92	88	87.2	35
9..	56.92	55.76	56.61	55.53	55.62	57.19	56.27	25.8	27.4	27.9	28.5	25.6	25	26.7	29.4	24.1	81	79	82	81	91	97	85.2	87.7
10..	56.40	56.44	57.48	56.31	56.04	57.76	56.74	25.6	25	26.2	26.2	26.5	26	25.9	27.3	23.4	92	98	88	90	88	89	90.8	2.5
11..	56.79	56.72	57.60	56.12	56.48	58.32	57	26.5	26.5	26.8	26.5	27.9	25.2	26.6	29.7	24.6	85	83	90	92	78	90	86.3	10.3
12..	57.09	56.76	57.99	56.54	57.28	59.03	57.45	25.8	26	29.8	30.8	27	27	27.7	31.3	25	89	88	73	73	84	84	81.8	1.8
13..	57.87	57.92	58.91	57.76	57.77	59.08	58.22	25.8	26.9	26.5	28.8	27.8	25.6	26.9	29.9	25.5	87	84	89	78	79	90	84.5	1.3
14..	57.98	58.19	58.79	57.34	57.58	59.15	58.17	25.5	25.6	30.4	31	28.4	27.2	28	31.2	25	89	88	66	66	77	84	78.3	1.3
15..	58.60	59.01	59	57.38	57.30	59.06	58.39	26.5	26	29.8	31	28.5	27.4	28.2	31.8	25	91	89	77	67	78	87	81.5	.3
16..	59.05	58.90	59.54	57.88	58.39	59.50	58.88	26.2	26.2	30.5	31	28.6	28	28.4	31.3	25	94	98	76	69	77	77	81.8	8.6
17..	59.02	59.05	59.46	57.43	57.93	58.95	58.64	27.4	27.5	30.5	30	28.6	26.6	28.4	31.6	25.2	85	85	68	75	80	83	79.3	......
18..	58.21	58.15	58.65	57.05	57.44	58.02	57.92	27.2	25.5	30	31	28.5	27.4	28.3	31.5	25.2	86	92	71	72	74	81	79.3	.8
19..	56.85	57.09	57.65	56.17	57.27	58.65	57.28	26.6	26	30	28.9	27.7	25.8	27.5	31.5	24.3	81	85	71	75	76	85	78.8	......
20..	57.52	57.69	58.22	57.42	57.55	59.02	57.90	26	26.5	27.5	30.2	27.5	26	27.3	30.8	25.5	84	80	77	67	81	85	79	.3
21..	58.48	58.49	59.53	57.92	58.40	59.95	58.80	25.5	25.4	29.5	30.5	28.5	28	27.9	31.5	24.8	88	92	64	68	78	77	77.8	......
22..	59.23	59.32	59.65	58.25	58.49	60.27	59.20	27	26.7	30.5	30.6	29.5	26.8	28.5	32.5	25.5	75	81	68	71	66	72	72.2	......
23..	58.34	58.40	59.03	57.64	58.03	59.28	58.45	26	23.5	30	31.2	29.2	27.8	28	32.3	23.4	82	91	66	65	73	80	76.2	......
24..	58.55	58.59	58.55	57.25	57.84	59.35	58.36	25.4	24	30.6	31.2	28	27.2	27.7	31.8	23.8	88	90	65	72	74	80	78.2	......
25..	57.85	57.42	57.97	56.63	56.77	57.83	57.41	26	26.5	29.2	29.6	27	27.2	27.6	30.7	25.9	78	75	66	59	77	75	71.7	19
26..	57.34	57.28	57.92	56.70	56.60	58.14	57.33	26	24.7	26.7	27.7	24.5	24.8	25.7	28.3	21.9	84	90	77	79	93	88	85.2	11.2
27..	57.67	57.79	57.99	57.15	57.23	59.31	57.86	25.2	25.7	29.3	30.5	28.5	27.6	27.8	30.7	24.5	88	88	73	72	79	83	80.5	......
28..	58.72	58.89	59.25	57.46	58.12	59.82	58.71	26	25	31.5	32.8	27	25.8	28	33.5	24	92	94	68	59	75	81	78.2	......
29..	58.97	59.24	60.25	57.75	57.36	58.40	58.66	24.8	25	26.2	29.6	28.5	26.4	26.8	31	24	87	88	86	69	74	86	81.7	1.3
30..	57.25	57.22	57.20	55.74	55.64	55.97	56.50	25.5	24.5	30	24.5	26	25.8	26	32.2	23.4	88	93	71	98	92	93	89.2	20.3
Mean	57.93	57.96	58.51	56.94	57.27	58.67	57.88	25.9	25.7	29.6	29.9	27.8	26.6	27.6	31.4	24.5	86.7	88.2	72.6	72.4	79.1	84.2	80.5	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	233.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	Km.	Km.	Km.	Km.	0–10			0–10		
1..	Calm	Calm	NE	NE	NE	NE	18.8	67.1	107.3	85.9	279.1	7	Ci.	Cu.	5	Ci.	Cu.
2..	NE	NE	NE	NE	NE	NE	84.5	91.9	104.6	74.8	355.8	5	Ci.	Cu.	3	Ci.	Cu.
3..	NE	NE	E	SW	E	Calm	61.5	73.8	48.8	16.9	201	8	Ci.	Cu.	10	Ci.-S.	Cu.-N.
4..	Calm	E	E	SW	NW	NW	21.9	30.8	86.4	32.5	171.6	7	Ci.	Cu.	6	Ci.-S.	Cu.
5..	SW	Calm	SW	SW	E	Calm	19.8	46.2	83.4	18.8	168.2	8	Ci.	Cu.	8	Ci.-S.	Cu.
6..	Calm	NW	NW	N	Calm	Calm	18	35.7	54.4	30.3	138.4	8	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
7..	N	Calm	N	E	SW	SW	33.5	37.2	58.1	51.5	180.3	8	Ci.-S.	Cu.	7	Ci.	Cu.
8..	N	SW	SW	SW	Calm	SE	39.9	42.6	36.8	32.8	152.1	8	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
9..	SW	SW	SW	SW	SW	SW	74.3	141.8	114	116.9	447	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N. SW
10..	SW	SW	SW	S	SE	S	117.2	132.5	83.2	46.1	379	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
11..	S	S	SW	SW	SW	W	79.1	123.9	145.8	96.9	445.7	9	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
12..	SW	S	S	SW	SW	S	64.2	80	138.7	89.5	372.4	8	Ci.-S.	Cu.	7	Ci.-S.	Cu.
13..	S	S	SW	S	SW	SE	64.9	91.9	88.5	53.6	298.9	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.
14..	SE	Calm	SW	SW	SW	S	30.3	79.9	114.3	62.6	287.1	4	Ci.	Cu.	3	Ci.	Cu.
15..	SW	SW	SW	SW	SW	SW	44	81.9	115.4	73.2	314.5	6	Ci.	Cu.	2	Ci.	Cu.
16..	Calm	SW	SW	SW	SW	SW	36.7	76.7	125.2	76.9	315.5	10	Ci.-S.	Cu.-N.	3	Ci.	Cu.
17..	SW	SW	SW	SW	SW	SW	46.9	89.3	113.2	47.3	296.7	7	Ci.-S.	Cu.	7	Ci.-S.	Cu.
18..	SW	SW	SW	SW	SW	SW	54.2	72.1	103.6	63.4	293.3	8	Ci.-S.	S.-Cu. SW	7	Ci.-S.	Cu.
19..	SW	SW	SW	S	SW	SW	22.5	97.7	123.7	85.5	329.4	4	A.-Cu.	Cu.	9	Ci.-S.	Cu.
20..	SW	SW	S	SW	SW	SW	96.6	70.2	98.4	71.4	336.6	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.
21..	SW	Calm	SW	S	S	S	32.5	81	99	78.6	291.1	3	Ci.	Cu.	3	Ci.	Cu.
22..	S	S	S	SW	SW	SW	42	75.8	123.7	90.3	331.8	3	Ci.	Cu.	5	Ci.	Cu.
23..	Calm	SW	SW	SW	SW	Calm	23.3	56.5	137.3	51.2	268.3	7	Ci.	Cu.	7	Ci.	Cu.
24..	Calm	Calm	SW	SW	N	SW	22	72.7	114.5	63.3	272.5	3	Ci.	Cu.	8	Ci.-S.	Cu.
25..	SW	SW	SW	W	SW	SW	92.2	67.8	103.2	87.2	350.4	8	Ci.-S.	Cu.	9	Ci.-S.	S.-Cu.
26..	SW	SW	SW	SW	SW	SW	75.1	104.8	85.1	60.6	325.6	10	Ci.-S.	Cu.-N. SW	9	Ci.-S.	Cu.-N. SW
27..	SW	SW	SW	SW	SW	SW	56.9	58.1	89.5	54.2	258.7	8	Ci.-S.	S.-Cu.	4	Ci.	Cu.
28..	Calm	Calm	SW	SW	Calm	SW	10.5	27.9	40.7	25.7	104.8	2	Ci.	Cu.	4	Ci.-S.	Cu.-N.
29..	Calm	Calm	N	N	NW	Calm	19.6	48.3	52.5	16.3	136.7	10	Ci.-S.	S.-Cu.	3	Ci.	Cu.
30..	Calm	Calm	NW	W	Calm	Calm	11.9	31.1	57.3	9.7	110	7	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
Mean	......	......	......	......	......	......	47.2	72.9	94.9	58.8	273.8	7.2	....	....	6.9	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	8,212.5	....	....	....	....	....	....

ILOILO

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.84 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	55.17	54.98	55.90	54.57	55.02	56.68	55.39	25	25.1	28	29.5	26.6	26.2	26.7	29.5	24	92	95	74	68	83	82	82.3	8.1
2..	56.67	56.54	57.69	58.04	58.74	59.43	57.85	25.6	26.5	24.6	22.8	25	25.2	25	26.8	22	87	84	93	98	88	88	89.7	83.9
3..	58.94	59.59	60.02	58.95	59.56	61.10	59.69	24.2	24.5	29.3	30	28	26.8	27.1	30.8	23	97	96	72	73	79	87	84	......
4..	59.95	60.33	60.26	58.85	59.74	60.27	59.90	25.4	24	27.5	33	28.7	25.6	27.4	33.5	23.2	87	92	84	50	80	85	79.7	9.4
5..	59.67	59.79	59.49	58.31	59.80	60.05	59.52	24.8	23	29.8	28	23.5	23.4	25.4	30.1	22	87	96	69	74	96	92	85.7	37.3
6..	59.43	59.16	59.35	57.63	59.58	60.75	59.32	23.5	24.3	29.5	33	24.5	25	26.6	33	23	94	93	75	59	92	93	84.3	.5
7..	59.82	60.20	61.20	59.80	59.95	60.97	60.32	24.6	25.3	29.2	28.6	28	26.2	27	30.5	24.5	97	93	73	75	74	85	82.8	......
8..	60.02	60.18	60.96	58.98	59.10	60.37	59.94	25	24.7	30	32.5	28.5	26.6	27.9	33.2	23.9	88	90	67	58	78	86	77.8	......
9..	59.15	59.19	59.66	57.43	57.88	59.20	58.75	26	25.3	30.2	33.2	27.6	26	28	34.4	24.6	88	89	74	49	77	84	76.8	......
10..	58.47	59.14	59.59	57.13	57.45	59.53	58.55	25.5	25	29.5	30.7	28.5	27.5	27.8	31.6	24.3	89	92	72	67	75	84	79.8	......
11..	58.62	58.73	59.25	57.91	58.90	60.31	58.95	26	25.9	29.8	29.2	27.5	26	27.4	30.8	24.8	94	92	69	80	84	89	84.7	.8
12..	59.19	59.57	60.29	58.25	58.31	60.02	59.27	25	24.2	30.5	32.2	29	25.8	27.8	32.8	23.5	92	94	63	61	76	85	78.5	......
13..	58.98	58.69	59.74	58.15	58.65	59.69	58.98	25.4	25.3	30.5	30.6	27.5	25.5	27.5	32	24.3	88	93	68	65	81	88	80.5	......
14..	58.89	59.14	59.30	57.63	58.37	59.65	58.83	25.2	25	30.6	29.3	25.7	25.5	26.9	32.3	23.8	90	93	62	76	93	88	83.7	11.4
15..	58.69	58.64	58.44	57.05	57.07	59	58.15	25.4	25.8	29	29	28	26.5	27.2	30.5	24.7	92	91	74	76	78	88	83.2	......
16..	58.45	58.04	58.67	57.55	57.77	59.06	58.26	25.2	24.6	27.8	30	26.5	26	26.7	30.8	24.3	95	97	82	71	82	89	86	.5
17..	58.27	58.24	59.28	58.57	58.30	59.38	58.67	25.5	25	27.6	29.5	27.4	25.6	26.8	30.3	23.9	91	93	80	71	81	93	84.8	5.8
18..	58.87	58.82	58.14	57.23	57.07	58.07	58.03	24.5	24.3	30	29.8	26.6	25.8	26.8	32.3	23.3	96	91	69	74	83	89	83.7	9.1
19..	57.18	57.12	57.30	55.45	55.84	56.87	56.63	25.5	25.3	30	30.5	29.2	27	27.9	31	24.5	91	93	75	70	70	81	80	3
20..	56.42	56.61	56.74	55.45	56.32	57.32	56.48	25.4	25.5	30	30.4	26	25.5	27.1	30.8	24.3	87	88	68	69	92	88	82	1.3
21..	55.84	55.87	56.66	55.50	56.25	57.94	56.34	24.5	24.2	28	28.3	26.6	25.5	26.2	29.2	23.7	91	94	76	80	87	89	86.2	13.7
22..	56.17	56.24	56.96	55.40	56.25	57.51	56.42	25.2	25.6	27.8	28	26.5	26.2	26.6	30.3	24.5	90	91	82	81	82	89	85.8	31.2
23..	56.34	56.54	57.35	55.52	55.90	57.54	56.53	25.2	24	28.2	27.5	26.8	25.6	26.2	28.4	23.7	92	99	77	81	83	88	86.7	2.8
24..	56.37	55.94	57.43	56.07	56.33	57.91	56.68	25.8	26	26	27	27	25.8	26.3	30.5	24.8	90	91	85	78	84	87	85.8	40.9
25..	57.07	57.24	57.86	56.40	56.22	57.57	57.06	25.6	24	27	29	28	26.5	26.7	29.4	23	90	91	87	78	80	86	85.3	23.6
26..	56.84	56.94	57.52	55.66	55.22	56.94	56.52	25.5	24.5	25.3	27.6	26.6	25	25.8	28.6	23.3	88	87	90	84	82	88	86.5	11.4
27..	55.10	55.14	55.27	54.12	54.44	56.03	55.02	26.6	27	28	28.5	27.9	25	27.2	29	24.7	87	84	82	81	84	92	85	8.9
28..	55.54	55.19	56.79	55.58	55.05	56.58	55.79	26.2	25.8	25.5	27.6	27.9	27.8	26.8	28	22.7	90	93	84	69	83	82	83.5	26.4
29..	55.18	55.14	55.30	54.32	54.55	55.53	55	27.2	27	28.6	29	27.8	27	27.8	30.3	23.2	84	88	78	80	86	87	83.8	20.6
30..	54.92	55.03	54.92	54.12	54.12	55.62	54.79	27.2	27	30.4	25.5	27.9	27.8	27.6	30.8	25.3	86	89	72	98	85	82	85.3	15.7
31..	55.16	55.31	55.66	54.75	54.84	56.63	55.39	27.5	27.7	30.1	29	28.1	27.5	28.3	30.3	25.9	82	83	71	83	81	84	80.7	4.1
Mean	57.59	57.65	58.16	56.79	57.18	58.50	57.65	25.5	25.2	28.7	29.3	27.2	26	27	30.7	23.9	90.1	91.5	75.7	73.5	82.5	87	83.4	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	370.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	W	W	SW	SW	15.9	52	123.9	140.5	332.3	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
2..	SW	SW	W	W	SW	SW	122.6	121.8	126.9	51.2	422.5	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	Cu.-N.
3..	Calm	Calm	SW	SW	SW	Calm	16.6	54.7	91.1	29	191.4	8	Ci.-S.	S.-Cu.	5	Ci.	Cu.
4..	Calm	Calm	NW	NE	Calm	SE	22	37.8	45.1	32.8	137.7	4	Ci.	Cu.	4	Ci.	Cu.
5..	SE	Calm	NE	N	Calm	NW	57.1	80.3	69.8	28.8	236	9	Ci.-S.	Cu.	8	Ci.-S.	Cu.-N.
6..	NW	NW	NE	NE	N	NW	34.6	53.7	59	23.5	170.8	4	Ci.	Cu.	3	Ci.	Cu.
7..	Calm	Calm	W	SW	SW	Calm	18.8	37.6	47.5	18.5	122.4	7	Ci.-S.	Cu.	8	Ci.-S.	Cu.
8..	Calm	Calm	NE	NE	Calm	N	16.7	28.5	45.3	38.8	129.3	4	Ci.	Cu.	4	Ci.	Cu.
9..	N	N	NE	NE	Calm	Calm	32.5	62	65	23.6	183.1	5	A.-Cu. E	Cu.	3	Ci.	Cu.
10..	Calm	Calm	Calm	W	W	W	21.1	26.8	56	36	139.9	8	Ci.-S.	Cu.	6	Ci.	Cu.-N.
11..	Calm	Calm	W	SW	SW	Calm	19.6	50.2	76.1	28.7	174.6	6	Ci.	Cu.	8	Ci.-S.	Cu.
12..	Calm	NW	N	NE	SW	Calm	28.4	31.2	47.7	29.8	137.1	5	Ci.	Cu.	5	Ci.	Cu.
13..	Calm	NW	N	E	SW	S	20.6	36.5	44.9	48	150	8	Ci.-S.	Cu.	8	Ci.-S.	Cu.
14..	Calm	Calm	S	SW	W	Calm	17.2	33.2	55.7	28.7	134.8	3	Ci.	Cu.	8	Ci.-S.	Cu.-N.
15..	SW	Calm	SW	SW	SW	SW	29.2	41.8	78.1	40.7	189.8	4	Ci.	Cu.	5	Ci.	Cu.
16..	NW	Calm	SW	SW	S	SW	18.2	46.2	80.5	33.2	178.1	4	Ci.	Cu.	7	Ci.-S.	Cu.
17..	SW	S	SW	SW	SW	W	34.4	71.1	73.4	23.9	202.8	4	Ci.	Cu.	8	Ci.-S.	Cu.-N.
18..	W	W	NE	SW	Calm	Calm	21.5	41.6	51.7	17.5	132.3	4	Ci.	Cu.	9	Ci.-S.	Cu.-N. NNE
19..	Calm	NW	NE	NE	N	NE	22.8	53.9	87.4	36.2	200.3	7	Ci.	Cu.	8	Ci.-S.	Cu. NE
20..	NE	NE	NE	NE	Calm	N	42.3	47	60	31.9	181.2	5	Ci.	Cu.	9	Ci.-S.	Cu.-N.
21..	Calm	N	N	S	SW	NW	23.1	25.5	61.7	35.6	145.9	8	Ci.-S.	Cu.	7	Ci.-S.	Cu.-N.
22..	NW	SW	SW	SW	SW	Calm	40.7	68.2	114.3	45.6	268.8	5	Ci.	Cu.-N.	7	Ci.-S.	Cu.
23..	Calm	W	SW	SW	SW	SW	32.2	97.4	118.8	65.2	313.6	9	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
24..	SW	SW	S	W	SW	SW	48.8	73.5	120.5	56.8	299.6	6	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N.
25..	SW	W	SW	SW	SW	SW	51.3	94.1	99.8	67.4	312.6	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
26..	SW	W	SW	SW	SW	SW	38.1	105.1	155.6	119.4	418.2	9	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N. SW
27..	W	SW	WSW	SW	SW	SW	93.5	115.3	117.3	119.6	445.7	9	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
28..	SW	SW	SW	SW	SW	SW	124.7	132.3	140	125.7	522.7	10	Ci.-S.	Cu.-N. SW	9	Ci.-S.	Cu.-N.
29..	SW	SW	SW	SW	SW	SW	100.4	129.2	148.7	126.3	504.6	9	Ci.-S.	Cu.-N. SW	9	Ci.-S.	Cu.-N. WSW
30..	SW	SW	SW	SW	SW	SW	122.1	126.8	124.5	117.5	490.9	10	Ci.-S.	Cu.-N. SW	8	Ci.-S.	Cu.-N.
31..	SW	SW	SW	SW	SW	SW	132	140	156.6	115.7	544.3	6	Ci.-S.	Cu.-N.	6	Ci.	Cu. SW
Mean	......	......	......	......	......	......	45.8	68.2	88.5	56	258.5	6.8	....	....	7.2	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	8,013.3	....	....	....	....	....	....

ILOILO

[$\phi = 10°$ 42′ N; $\lambda = 122°$ 34′ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.84 mm.]

AUGUST, 1919

Day.	Anmospheric poessure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	56.15	55.87	56.52	55.28	55.81	56.90	56.09	27.8	27.9	29.5	30	28.3	26.8	28.4	30.2	25.4	84	86	76	76	80	89	81.8	12.2
2..	56.32	56.48	56.74	55.90	56.01	57.18	56.44	25.5	26.5	29.5	28.7	27.5	26.4	27.4	30	23.8	91	92	75	77	88	87	85	14.2
3..	56.25	56.42	57.31	55.68	56.61	57.04	56.55	26.6	27	26.3	27.5	24.7	26.8	26.5	28.8	24	87	86	90	86	92	89	88.3	43.2
4..	56.90	56.77	57.33	55.65	56.81	57.75	56.87	24.8	25.5	24.5	25.7	24	26	25.1	27.5	23	92	90	99	93	96	87	92.8	44.2
5..	56.37	56.57	57.40	56.52	56.41	57.33	56.77	26	26.8	28.8	27.8	27.5	27.8	27.4	29	24.2	90	86	83	87	92	89	87.8	54.4
6..	56.82	56.54	57.72	56.37	56.34	56.39	56.70	25.4	27	28	23.3	27	27.2	26.3	28.5	23	98	92	88	97	80	87	90.3	95.1
7..	55.78	55.32	55.53	53.98	54.70	56.18	55.25	26	27.5	27.5	28	28	27	27.3	29.4	23.7	92	90	92	91	88	83	89.3	25.7
8..	55.02	54.84	55.22	54.20	54.02	56.26	54.93	27.2	26	29.6	28.5	28.2	27.5	27.8	30.5	24.6	89	94	78	81	87	87	86	15
9..	54.62	55.02	55.67	54.50	55.81	56.82	55.41	27.5	27.7	30	28.7	27.2	27.6	28.1	30.3	24.1	87	84	80	83	85	83	83.7	23.3
10..	55.32	55.57	56.06	55.30	55.47	56.63	55.72	27.8	27.8	28.5	29	28	28	28.2	29.4	23.8	86	86	85	81	85	81	84	51.5
11..	55.55	55.72	56.05	54.45	55.23	56.26	55.54	26.5	28	29	28.5	26	27.6	27.6	29.8	24	90	85	78	85	90	91	86.5	32.2
12..	55.12	55.37	56.26	54.55	55.83	56.40	55.59	27	27.5	27.5	29	24	27.8	27.1	29.8	22.4	90	85	92	81	97	86	88.5	14.4
13..	55.82	56.47	56.91	56.19	56.78	58.67	56.81	27.5	26	29.5	28.5	26.8	25.4	27.3	30.1	23.5	85	92	78	81	87	90	85.5	6.3
14..	57.64	57.89	59.30	57.39	57.63	59.02	58.14	25.5	26.5	25.2	26.5	26.5	26.5	26.1	28.6	23.3	89	92	86	82	82	88	86.5	11
15..	58.14	58.02	58.12	57.26	57.86	59.50	58.15	26.2	26.8	29.7	30	27.7	26.6	27.8	30.3	24.8	90	88	77	78	87	81	83.5	.5
16..	58.80	58.95	59.78	58.28	58.97	59.27	59.01	26.5	25.5	30	30.6	28	26.8	27.9	31.8	25.2	86	88	77	76	85	89	83.5	......
17..	58.70	58.96	59.50	57.65	57.82	59.50	58.69	26.8	27.1	29.8	30	28	27.5	28.2	31.9	26	87	87	81	78	86	85	84	......
18..	58.54	58.40	58.11	56.13	57.35	58.66	57.86	27.2	27	30.7	31.2	28.5	25.8	28.4	32	25.2	84	84	69	69	81	87	79	......
19..	57.32	57.52	57.64	56.47	56.90	58.96	57.47	27.2	27	28.6	29	26.2	24.2	27	29.5	23.3	83	77	77	78	82	98	82.5	20.3
20..	56.54	56.17	57.14	55.72	56.99	58.94	56.92	25.8	26.5	25.7	26.9	26	25.2	26	28.9	24.4	89	88	88	81	84	85	85.8	14.5
21..	58.27	58.58	58.91	57.38	57.92	59.54	58.43	26.4	26.2	29.1	29.9	28	26.8	27.7	31.2	25.2	89	90	76	77	82	89	83.8	......
22..	58.76	58.87	59.16	57.45	57.57	59.45	58.54	26	26	29.4	30.5	28	27.5	27.9	30.8	25.1	94	94	79	72	81	82	83.7	......
23..	57.82	57.95	58.57	56.55	56.83	58.42	57.69	27	27	29.6	30	28.2	27.6	28.2	30.5	26.5	86	86	75	75	80	82	80.7	......
24..	57.50	56.83	57.61	55.85	56.97	58.17	57.16	27.4	27.5	29.5	30	28.5	28	28.5	30.8	26.5	83	82	79	77	78	82	80.2	2.5
25..	57.10	56.95	57.66	56.12	56.45	58.97	57.21	27.6	27.5	29.6	29.5	28	27.2	28.2	30.2	26.3	84	82	74	75	81	86	80.3	7.4
26..	58.22	57.42	58.91	58.16	58.40	59.10	58.37	24.2	26.5	30	30	28	25.5	27.4	30.5	23.5	91	88	71	76	85	89	83.3	33.5
27..	58.92	59.21	59.69	57.75	57.92	59.54	58.84	24.4	24.5	28.5	28	27.5	25.5	26.4	29.5	23.3	91	90	68	87	82	81	83.2	......
28..	57.54	58.01	58.17	56.46	56.67	58.31	57.53	24.4	24.5	29.2	30	28	27.4	27.2	30.8	24.1	92	89	70	66	81	78	79.3	......
29..	56.76	56.21	56.52	56	57.12	57.87	56.75	27	27	29	28	24.5	24.5	26.7	29.5	23	78	73	78	77	94	96	82.7	28.7
30..	56.98	56.52	58.12	57.17	57.25	58.34	57.40	25	24.5	27.5	25	25.5	26	25.6	27.8	23	88	87	83	89	88	87	87	32.2
31..	57.27	57.99	58.15	56.18	56.97	58.17	57.46	26	24	26.3	29	24	24.8	25.7	29.5	22.3	87	87	76	78	91	89	84.7	65.5
Mean	57	57.01	57.61	56.21	56.76	58.05	57.11	26.3	26.5	28.6	28.6	27	26.6	27.3	29.9	24.2	88.1	87.1	79.9	80.3	85.7	86.5	84.6	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	647.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	S	SW	SW	SW	SW	SW	132.8	146.7	154.8	114.1	548.4	10	Ci.-S.	Cu.-N.	6	Ci.-S.	Cu.-N. SW
2..	SW	SW	SW	SW	SW	SW	85.1	120.9	131.2	131.8	469	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
3..	SW	SW	SW	SW	SW	SW	116.4	87.4	140.3	96.1	440.2	9	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N.
4..	SW	SW	SW	SW	SW	SW	87.7	99.3	108.9	111.5	407.4	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
5..	SW	SW	SW	SW	SW	SW	84.7	131.8	118.8	134.6	469.9	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. SW
6..	SW	SW	SW	W	SW	SW	136.8	125.2	144.2	140	546.2	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	Cu.-N.
7..	SW	SW	SW	SW	SW	S	155.8	168.9	151.9	131	607.6	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	Cu.-N. SW
8..	SW	SW	SW	SW	SW	SW	171.2	187.8	159.1	135	653.1	10	Ci.-S.	Cu.-N.	6	Ci.-S.	Cu.-N. SW
9 .	SW	SW	SW	SW	SW	SW	159.3	180.5	171.9	121.2	632.9	9	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. SW
10..	SW	SW	SW	SW	W	SW	141.6	146.9	165.5	123.7	577.7	10	Ci.-S.	Cu.-N. SW	6	Ci.-S.	Cu.-N.
11..	SW	SW	SW	SW	SW	SW	144.6	167.6	181.3	156.9	650.4	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
12..	SW	SW	SW	SW	SW	SW	177.8	159.5	173.3	141.4	652	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
13..	SW	S	SW	SW	W	W	150	150.7	144.3	141.4	586.4	10	Ci.-S.	Cu.-N.	7	Ci.-S.	Cu.-N.
14..	W	W	W	SW	SW	SW	56.9	103.3	137.8	62.2	360.2	8	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
15..	SW	SW	SW	SW	SW	SW	59.7	119.6	129.5	83.9	392.7	5	Ci.	Cu.	4	Ci.	Cu.
16..	SW	W	SW	SW	SW	SW	73.7	102.4	116.4	54.2	346.7	9	Ci.-S.	Cu.-N.	4	Ci.	Cu.
17..	SW	SW	SW	SW	SW	SW	83.2	107	140.3	60.4	390.9	5	Ci.	Cu.	6	Ci.	Cu.
18..	SW	SW	SW	SW	SW	W	72.2	105.4	122.5	95	395.1	6	Ci.	Cu.	4	Ci.	Cu.
19..	W	W	SW	SW	SW	SW	101.9	110.2	119.7	115.6	447.4	8	Ci.-S.	Cu.-N.	7	Ci.-S.	Cu.
20..	SW	SW	SW	SW	SW	SW	131.4	130.2	178	114.8	554.4	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N. SW
21..	SE	S	SW	SW	SW	SW	53.4	79.9	112.9	43.3	289.5	8	Ci.-S.	Cu.-N.	5	Ci.	Cu.
22..	Calm	Calm	SW	SW	SW	W	14.3	52.9	119.3	78.1	264.6	7	Ci.-S.	Cu.	4	Ci.	Cu.
23..	W	W	W	SW	SW	W	67.6	125.7	142.6	96	431.9	5	Ci.	Cu.	4	Ci. NE	Cu.
24..	SW	SW	SW	SW	SW	SW	104	135	141	102.7	482.7	7	Ci.	Cu.	5	Ci.	Cu.
25..	SW	SW	SW	SW	SW	SW	109.2	135	135.4	86.3	465.9	8	Ci.-S.	Cu.-N. SW	7	Ci.-S.	Cu.-N. SSW
26..	SW	SW	SW	SW	SW	Calm	54.9	97.2	100.9	29.8	282.8	8	Ci.-S.	Cu.-N.	5	Ci.	Cu.
27..	Calm	Calm	SW	SW	SW	Calm	48.3	52.5	96.6	54.7	252.1	8	Ci.-S.	Cu.-N.	6	Ci.-S.	Cu.
28..	Calm	SW	SW	SW	SW	SW	16.1	73.8	116.7	79.2	285.8	6	Ci.-S.	Cu.-N.	6	Ci.-S.	Cu.
29..	SW	SW	SW	SW	SW	SW	100.9	128.9	83.9	89.8	403.5	8	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
30..	SW	SW	SW	SW	SW	SW	122	112.5	134.4	103.2	472.1	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
31..	SW	SW	SW	SW	W	SW	99.3	77.9	90.6	45.6	313.4	10	Ci.-S.	Cu.-N. SW	7	Ci.-S.	Cu.
Mean	......	......	......	......	......	......	100.4	120.1	134.3	99.1	4[illegible]	8.5	......	......	7	......	......
Total	......	......	......	......	......	......	......	......	......	......	14,072.9	....	......	......	....	......	......

ILOILO

[φ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.84 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.02	57.27	57.98	56.40	56.97	58.22	57.48	23.4	24.7	29.7	28	26.9	26.5	26.5	30	22.5	95	94	78	77	77	80	83.5	0.8
2..	57.98	57.93	59.30	57.82	58.17	59.23	58.40	25.8	25.5	30.2	28.7	27.5	26.5	27.4	30.3	25	84	92	74	76	84	88	83	.3
3..	58.64	58.97	60.06	58.34	58.78	59.82	59.10	25	23.5	29.4	30.5	28.5	27	27.3	31	23	93	96	72	65	81	87	82.3	......
4..	59.22	59.51	60.02	57.84	57.87	60.04	59.08	25	24	30	32	28.5	26.2	27.6	32.8	23.7	95	96	72	64	81	89	82.8	......
5..	58.82	59.02	59.30	57.07	58.03	59.62	58.64	24.6	24.5	30.4	29	26.4	25.8	26.8	31.3	24.1	93	93	72	73	85	88	84	6.9
6..	58.32	58.33	59.07	56.47	56.95	58.08	57.87	24.8	24	28.2	29.2	26.5	26.5	26.5	29.6	23.7	93	96	80	76	88	90	87.2	15.8
7..	57.12	57.24	58.04	56.60	56.66	58.08	57.29	25.8	25.5	26.8	27.4	25.1	24.8	25.9	28.8	22	93	95	82	79	95	90	89	22.4
8..	57.10	56.92	57.90	57.17	57.57	58.68	57.56	24.5	25	28.6	24.5	24.4	25.2	25.4	29.4	23.6	91	83	67	87	94	88	85	15.5
9..	57.90	57.67	59.04	57.10	57.78	58.31	57.97	24.8	25.5	27	27	26	25.2	25.9	28.3	23.9	89	84	84	84	84	88	85.5	......
10..	57.47	57.60	58.37	56.02	56.71	57.19	57.23	24.5	23.9	27.9	27	26.5	24.6	25.7	28.3	23.5	94	97	78	80	88	93	88.3	9.9
11..	56.47	56	56.98	55.43	55.27	56.32	56.08	25.2	24	26.6	27	26.3	25.6	25.8	27.5	23.5	90	96	84	84	86	87	87.8	1
12..	55.64	55.79	56.24	54.77	55.44	56.91	55.80	25.6	24.3	26.7	27	25	24	25.4	27.7	23	87	93	83	80	92	93	88	6.9
13..	55.56	55.68	56.34	55.23	56.09	57.31	56.04	25.2	25.5	26.8	25.7	25.7	26.6	25.9	27.9	23.8	90	88	86	93	90	84	88.5	8.4
14..	57.10	57.44	57.79	56.26	56.57	58.04	57.20	26	26.2	26.2	25.7	26.7	26.4	26.2	29	24.3	82	82	86	89	83	86	84.7	25.9
15..	57.67	57.98	58.41	56.77	57.12	58.92	57.81	24.2	24.5	27.5	28.6	25.5	26	26	28.9	23	97	95	82	77	84	85	86.7	5.9
16..	57.88	58.17	58.92	57.03	58.26	59.76	58.34	24.6	24.7	27.8	28.5	27.1	26	26.4	28.8	23.8	95	94	82	79	80	88	86.3	......
17..	58.62	59.04	60.42	58.63	59.14	60.10	59.32	25.8	26	25.5	26.7	26.1	25	25.8	27.7	24.5	92	92	88	86	83	92	88.8	2
18..	59.85	60.61	60.21	58.89	59.68	60.66	59.98	24.6	24	28.5	28.5	24	24.2	25.6	31.5	23.1	94	94	73	74	85	86	84.3	7.6
19..	59.67	59.82	60.40	57.89	58.45	59.90	59.36	24	23.5	29	30.3	28.2	26	26.8	30.5	23.1	91	93	71	66	72	85	79.7	......
20..	58.87	59.02	59.45	57.12	57.91	60.09	58.74	25	24.6	30	31	28.7	25.6	27.5	31.3	24.1	90	91	71	69	80	91	82	43.9
21..	59.54	59.54	60.07	57.06	57.79	60.11	59.02	25	24.9	28	30.2	28.1	26.4	27.1	30.5	23.8	92	97	85	67	80	89	85	......
22..	59.24	59.35	59.90	57.52	57.80	59.32	58.86	25.5	25	29	30.6	28.7	26.5	27.6	31	24.5	92	92	81	71	74	85	82.5	6.9
23..	58.60	58.72	59.42	57.57	57.85	59.54	58.62	26	25	29.5	30.7	28.2	26	27.6	31	24.7	82	88	71	60	69	82	75.3	......
24..	58.67	58.46	59.25	57.50	57.06	59.52	58.41	25.4	25.5	29.6	30.5	28.5	26.5	27.7	30.7	24.6	87	88	67	62	74	82	76.7	.5
25..	58.64	58.66	59.42	57.25	57.91	59.77	58.61	25.2	25.4	30.2	31	27.9	26.4	27.7	31.7	24.5	88	93	70	71	82	90	82.3	7.6
26..	58.69	58.90	60.07	57.69	57.85	59.60	58.80	26	25.3	30.2	31.6	28.5	26.2	28	31.8	24.8	92	93	74	62	70	85	79.3	......
27..	59.10	58.73	59.72	57.51	58.02	59.60	58.78	24.6	24.7	30	30.7	28.7	26	27.4	31	24	95	94	71	65	78	84	81.2	......
28..	58.67	58.82	59.81	57.26	58.12	59.49	58.70	24.6	24	28	30.5	26.5	24.8	26.4	30.8	23.5	90	91	81	68	86	90	84.3	3
29..	58.92	58.96	59.48	56.77	58.15	59.27	58.59	24.2	23.2	29	31	27	25.8	26.7	31.3	22.8	90	93	75	64	85	92	83.2	1.5
30..	58.79	59.09	59.40	56.72	57.54	58.58	58.35	25.2	24	29.8	31	28.7	26	27.4	31.2	23.5	90	93	70	70	76	85	80.7	......
Mean	58.23	58.31	59.03	57.06	57.58	59	58.20	25	24.7	28.5	29	27	25.8	26.7	30.1	23.7	90.9	92.2	77	73.9	82.2	87.4	83.9	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	192.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0-10*		
1..	SW	Calm	SW	SW	SW	SW	42.8	91.7	122.3	64.6	321.4	7	Ci.-S.	Cu.-N.	4	Ci.	Cu.
2..	SW	Calm	SW	SW	SW	SW	46.2	61.4	94.8	48.1	250.5	8	Ci.-S.	Cu.-N.	5	Ci.	Cu.
3..	Calm	Calm	W	SW	SW	W	17.5	27.4	74.6	41.8	161.3	6	Ci.	Cu.	5	Ci.	Cu.
4..	W	Calm	SW	SW	SW	W	33.5	52.1	44	29	158.6	5	Ci.	Cu.	4	Ci.	Cu.
5..	Calm	W	SW	SW	SW	SW	19.9	43.7	66.6	38.3	168.5	6	Ci.-S.	Cu.	8	Ci.-S.	Cu.-N. N
6 .	Calm	Calm	Calm	SW	S	S	20.1	23.8	66.3	44.9	155.1	6	Ci.	Cu.	9	Ci.-S.	Cu.-N.
7..	Calm	S	NE	SW	SW	Calm	35.7?	42.9	61.5	41	181.1	10	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.
8..	Calm	SW	SW	W	SW	SW	10.7	37.5	71.3	101.7	221.2	8	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
9..	SW	SW	SW	SW	S	W	86.9	31.2	100.6	71.3	290	8	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
10..	Calm	Calm	SW	SW	SW	W	19.9	37.3	69.8	36	163	9	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N.
11..	Calm	Calm	SW	Calm	W	W	21.5	25.4	25.1	51.3	123.3	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
12..	W	W	WSW	SW	SW	SW	48.8	106.8	123.3	119.4	398.3	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
13..	SW	SW	SW	SW	SW	SW	95.8	123.7	134.1	117.2	470.8	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
14..	SW	SW	S	W	SW	S	87.1	75.6	96.9	62	321.6	8	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N.
15..	S	S	S	SW	S	S	45.3	87.7	113.5	70.6	317.1	10	Ci.-S.	Cu.-N.	5	Ci.	Cu.
16..	Calm	S	SW	SW	SW	S	35.7	80.3	107.8	54.7	278.5	8	Ci.-S.	Cu.-N.	5	Ci.	Cu.
17..	S	S	Calm	SW	SW	SW	37.2	30.3	68.7	50.2	186.4	9	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N.
18..	SW	SW	N	SW	Calm	Calm	30.4	60	53.6	24.6	168.6	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N.
19..	NW	N	NE	NE	NE	NE	61.4	98.7	109.7	61.5	331.3	6	Ci.	Cu.	4	Ci.	Cu.
20..	NE	N	N	NE	E	SW	51.3	81.5	71.3	38.3	242.4	6	Ci.	Cu.	5	Ci.	Cu.
21..	Calm	SW	NE	NE	NE	NE	24.3	54.1	59	44.6	182	9	Ci.-S.	Cu.-N.	6	Ci.	Cu.
22..	NE	N	NE	NE	NE	N	66.3	100.6	126.1	80.2	373.2	8	Ci.-S.	Cu.	3	Ci.	Cu.
23..	N	N	NE	NE	NE	N	87.9	119.6	138.7	82.9	429.1	7	Ci.-S.	Cu.	2	Ci.	Cu.
24..	N	N	NE	NE	NE	N	70	129.8	136	98.2	434	7	Ci.-S.	Cu.-N.	3	Ci.	Cu.
25..	N	N	NE	NE	N	N	63.6	113.3	127.6	75.9	380.4	9	Ci.-S.	Cu.	5	Ci.	Cu. NE
26..	N	N	NE	NE	N	N	80.3	115.9	128.2	86.9	411.3	5	Ci.	Cu.	3	Ci.	Cu.
27..	N	N	NE	NE	NE	NE	66.3	107.3	113.8	49.1	336.5	6	Ci.	Cu.	3	Ci.	Cu.
28..	NE	NE	NE	NE	Calm	Calm	40	63.6	62.2	27.2	193	6	Ci.	Cu.	4	Ci.	Cu.
29..	N	N	NE	NE	NE	Calm	40.7	63	67	29.2	199.9	4	Ci.	Cu.	4	Ci.	Cu.
30..	E	NE	NE	NE	E	E	36.4	89.9	103.3	48.9	278.5	7	Ci.	Cu.	3	Ci.	Cu.
Mean	.....	.....	.....	.....	.....	.....	47.4	72.5	91.3	59.7	270.9	7.6	.....	.....	5.9	.....	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8,126.9	.....	.....	.....	.....	.....	.....

ILOILO

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6.5 meters; gravity correction not applied, −1.84 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.04	58.48	59.32	56.71	58.02	59.30	58.31	25	23.5	29	32	28	24	26.9	32.2	21.5	87	91	74	60	79	91	80.3	89.2
2..	58.10	58.02	58.55	55.75	56.85	58.70	57.66	24.3	23.2	30.2	30	27.2	25.2	26.7	31.5	23	94	98	72	73	90	94	86.8	11.2
3..	57.54	58	58.47	56.55	57	58.46	57.67	24.6	23.9	30	30	28.5	27.2	27.4	30.3	23.5	97	97	71	73	72	77	81.2	......
4..	57.70	58.24	58.95	56.75	57.12	58.47	57.87	24.8	23.3	29	29.8	28.5	27.4	27.1	30.3	23	93	95	76	76	78	81	83.2	......
5..	57.92	58.02	58.90	56.41	57.25	58.53	57.84	25.8	24.5	30	29.9	28.2	26.2	27.4	31	24	92	96	73	79	80	90	85	1.3
6..	57.52	58.09	58.86	56.81	58.06	58.96	58.05	25.4	24.5	29.8	28.9	25.3	24.2	26.4	30.5	23.7	93	96	71	74	89	94	86.2	4
7..	58.39	58.67	59.47	56.75	58.02	59.41	58.45	24	23.5	28	29.5	25.2	25	25.9	30.1	23.1	94	97	83	75	91	92	88.7	16.1
8..	58.07	58	58.45	56.01	56.93	58	57.58	24.8	24	28.6	27.9	26.5	25.2	26.2	29.3	23.6	92	96	78	82	86	92	87.7	29.2
9..	57.12	57.25	58.14	56.94	56.72	58.18	57.39	24.6	24.6	28	24.5	27.2	26	25.8	28.6	23.7	95	93	81	96	79	84	88	33.5
10..	57.94	57.98	59.24	57.02	57.47	58.75	58.07	24.2	25	26.8	28.1	27	26.2	26.2	28.8	23.5	91	88	86	74	80	87	84.3	16.2
11..	58.38	59.16	59.23	57.90	58.89	60.10	58.94	25.5	23	28	30	28	27	26.9	30.8	22.3	91	98	78	75	77	87	84.3	.5
12..	59.42	60.38	60.92	58.67	59.20	60.70	59.88	26	25.3	29.3	30.2	28.3	26.6	27.6	31	24.8	94	95	70	72	86	87	84	......
13..	59.18	59.31	60.17	57.68	58.62	59.96	59.15	25	25.6	30	31.2	28.5	24	27.4	31.7	22.5	93	91	71	68	78	91	82	24.3
14..	58.30	57.04	56.59	52.31	49.03	53.32	54.43	24	23.5	23.6	24	24.5	24.5	24	25.2	22.9	93	96	98	97	97	92	95.5	98.9
15..	54.21	55.24	56.77	55.47	56.07	57.64	55.90	24	23.8	26.1	25.5	26	25.2	25.1	28.5	22.8	97	97	93	92	84	90	92.2	29.7
16..	57.47	58.20	58.27	56.91	57.67	58.98	57.92	24.2	24.5	28.4	26	27.5	26.4	26.2	29.8	23.3	97	97	77	87	84	89	88.5	2.5
17..	58.04	58.82	59.25	57.50	58.02	59.10	58.46	25	24.9	29.5	29.6	27.5	26.4	27.2	29.9	24	96	97	79	76	84	92	87.3	......
18..	58.18	58.14	58.81	56.41	57.22	58.57	57.89	26	25.5	29.5	30.2	27.8	26.4	27.6	30.5	25	92.	96	76	74	86	90	85.7	......
19..	57.79	58.27	58.91	56.09	56.75	58.59	57.73	24.6	24	29.3	30.4	28.9	27.4	27.4	30.8	23.3	99	98	76	76	76	85	85	1
20..	57.66	58.80	59.42	57.45	58.58	59.52	58.57	26.1	25.5	27	28.8	26	25.2	26.4	29	24.9	95	95	84	76	92	87	88.2	4.3
21..	58.72	59.09	60.20	58	59.05	59.82	59.15	24.8	24.5	29.2	29	27	25.6	26.7	30.1	23.9	92	93	70	71	79	85	81.7	......
22..	59.34	59.71	59.87	57.64	58.30	60.02	59.15	25	24.5	29.4	30	28.4	26.3	27.3	30.1	23.7	90	92	70	67	75	90	80.7	......
23..	58.82	59.42	60.22	57.92	58.67	60.15	59.20	25	24.3	29.6	30.5	28.5	26.4	27.4	30.8	23.8	92	93	74	68	74	84	80.8	......
24..	59.02	59.04	59.80	57.95	58.67	60.01	59.08	25	24.3	30	30.5	26.5	25.8	27	31.2	23.9	92	93	73	72	85	92	84.5	......
25..	59.14	59.52	60.65	57.80	58.95	60.62	59.45	25	24.3	26.2	28.5	27	24.8	26	29.6	23.8	93	95	94	78	86	93	89.8	12.7
26..	59.62	59.96	60.59	58.15	59.47	59.90	59.62	24	23.3	29.5	31.2	24.5	24	26.1	32	23	97	96	75	63	92	97	86.7	12.7
27..	59.54	60.11	60.84	58.45	59.26	60.56	59.79	24	24	29.4	30.9	25.5	25.4	26.5	31.1	23.5	95	96	74	67	92	92	86	12.2
28..	59.68	59.52	59.70	57.47	57.51	59.25	58.86	24.6	24.2	29.1	31	29	26.5	27.4	31.3	23.5	93	93	81	65	78	91	83.5	......
29..	58.48	58.54	59.17	56.53	57.70	59.52	58.32	25.5	25	29.6	31.2	28.2	26	27.6	31.3	24.5	94	96	77	63	78	87	82.5	2.5
30..	58.09	58.55	59.26	56.60	58.14	59.29	58.32	25.2	25.2	30	28.5	25	25	26.5	31.3	24.5	90	92	78	78	92	92	87	......
31..	58.20	58.82	59.69	57.12	58.23	59.60	58.61	24.4	24.5	29.4	30.5	26.9	26	27	31.2	24	95	93	72	68	85	90	83.8	3
Mean	58.25	58.59	59.25	56.96	57.66	59.10	58.30	24.9	24.3	28.8	29.3	27.1	25.7	26.7	30.3	23.6	93.5	94.8	77.6	74.7	83.4	89.2	85.5	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	405

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	Calm	NE	NE	SW	Calm	34.1	57.4	53.7	57.6	202.8	6	Ci.	Cu.	3	Ci.	Cu.
2..	Calm	SW	SW	SW	NE	Calm	19.1	23.5	65.2	34.4	142.2	6	Ci.	Cu.	6	Ci.	Cu.
3..	Calm	Calm	N	SW	SW	SW	16.3	25.4	82.1	63	186.8	5	Ci.	Cu.	5	Ci.	Cu.-N.
4..	Calm	SW	SW	SW	SW	SW	22.3	35.9	85.5	75.4	219.1	5	Ci.	Cu.	4	Ci.	Cu.
5..	Calm	Calm	SW	SW	SW	Calm	26.6	60.9	96	24.7	208.2	4	Ci.	Cu.	6	Ci.	Cu.-N.
6..	Calm	Calm	SW	SW	N	Calm	11.8	46.1	77.7	23.1	158.7	7	Ci.	Cu.	7	Ci.-S.	Cu.
7..	Calm	Calm	SSW	SW	N	Calm	17.9	53.1	97.7	22.5	191.2	8	Ci.-S.	Cu.-N.	7	Ci.-S.	Cu.
8..	N	SW	SW	SW	SW	SW	38.1	67.8	95.8	74.6	276.3	9	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.
9..	SW	S	SW	SW	SW	SW	83.7	144	157.9	103	488.6	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	Cu.-N.
10..	S	S	SW	S	SW	Calm	81.1	129.5	85.5	28.4	324.5	10	Ci.-S.	Cu.-N. SW	9	Ci.-S.	Cu.-N.
11..	Calm	Calm	SE	S	Calm	Calm	34.1	29.2	39.7	19.1	122.1	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
12..	Calm	SW	E	NE	NE	NE	17.9	43.1	61	42.9	164.9	9	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N.
13..	NE	NE	N	N	N	NW	52.8	108	101.4	82.3	344.5	7	Ci.	Cu.	6	Ci.	Cu.
14..	N	NW	W	W	NW	SE	34.9	67.9	133.6	192.9	429.3	10	Ci.-S.	Cu.-N. N	10	Ci.-S.	Cu.-N.
15..	SE	SE	S	S	S	S	117.8	95.8	87.9	64.4	365.9	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
16..	Calm	SW	SW	SW	S	S	39.1	99.8	85.9	38.3	263.1	10	Ci.-S.	Cu.-N.	7	Ci.-S.	Cu.
17..	S	Calm	SW	SW	SW	Calm	14.7	64.6	93.3	31.1	203.7	6	Ci.	Cu.	5	Ci.	Cu.
18..	S	Calm	S	SW	S	Calm	24.3	75.1	98	38.6	236	5	Ci.	Cu.	3	Ci.	Cu.
19..	Calm	Calm	SW	SW	SW	SW	18.8	41	99.3	31.7	190.8	8	Ci.-S.	Cu.-N.	3	Ci.	Cu.
20..	Calm	NW	N	Calm	Calm	N	30.6	44.6	32	60.7	167.9	10	Ci.-S.	Cu.-N.	5	Ci.	Cu.
21..	N	N	NE	NE	N	N	49.9	96.3	111.2	67.3	324.7	8	Ci.-S.	Cu.	6	Ci.-S.	Cu. NE
22..	N	N	NE	NE	NE	N	59	104.6	135.8	81.3	380.7	6	Ci.	Cu.	2	Ci.	Cu.
23..	N	N	NE	NE	NE	N	48	89.5	98.2	65.5	301.2	4	Ci.	Cu.	2	Ci.	Cu.
24..	N	N	NE	NE	N	Calm	44.9	66.5	67.8	21.7	200.9	4	Ci.	Cu.	7	Ci.-S.	Cu.
25..	Calm	Calm	SE	SW	NW	Calm	21.1	38.9	60.9	26.9	147.8	6	Ci.	Cu.	7	Ci.-S.	Cu.-N.
26..	Calm	Calm	NE	SE	S	Calm	21.2	29.8	53.3	28.2	132.5	4	Ci.	Cu.	8	Ci.-S.	Cu.
27..	Calm	NW	NE	NE	Calm	NE	23.3	44.3	55.3	39.4	162.3	6	Ci.	Cu.	6	Ci.	Cu.
28..	NE	NE	NE	NE	NE	N	43.3	91.5	93.5	83.7	312	6	Ci.	Cu.	5	Ci.	Cu.
29..	N	N	NE	NE	N	N	73.8	115.9	117.7	88.7	396.1	7	Ci.	Cu. NE	3	Ci.	Cu.
30..	N	N	NE	NE	NE	NE	75	116.4	113.2	70.8	375.4	7	Ci.	Cu.	6	Ci.-S.	Cu.-N.
31..	N	N	NE	NE	N	N	64.6	83.4	77.4	46.4	271.8	5	Ci.	Cu.-N.	6	Ci.	Cu.
Mean	.....	.....	.....	.....	.....	.....	40.6	70.6	87.5	55.8	254.6	7	....	....	6.1	....	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,892	....	....	....	....	....	....

ILOILO

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.84 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59	59.42	59.76	57.36	58.55	59.76	58.98	24.8	24.5	29.5	31.5	26.5	25.5	27	31.8	24.3	93	96	78	66	88	89	85	10.2
2..	58.94	59.07	60.12	57.43	58.52	59.29	58.90	24.7	24.5	29	31	27.5	26.2	27.2	31.3	24	92	92	80	65	81	86	82.7	....
3..	58.74	58.83	58.86	57.12	58.05	59.35	58.49	25.8	25.5	29.2	28.5	28.3	25.5	27.1	30.4	24.9	89	92	76	79	79	89	84	2.5
4..	58.24	58.37	59.01	56.85	57.35	58.72	58.09	25.5	25.2	29.4	31.2	28.7	26.9	27.8	31.3	24.3	92	96	76	66	80	90	83.3	....
5..	57.68	57.94	58.75	56.39	57.07	58.62	57.74	26.5	25.5	30.4	31.5	29.3	26.5	28.3	31.7	25	90	92	72	63	74	88	79.8	....
6..	57.67	57.64	58.56	56.10	56.67	58.32	57.49	25.8	25.3	30.2	30.7	28.4	26.5	27.8	31.2	25	92	93	75	67	79	86	82	5.1
7..	58.18	58.94	59.62	57.25	58.01	59.41	58.57	25.2	24	27.8	29	27.2	26.1	26.6	29.3	23.5	90	96	82	74	83	85	85	....
8..	58.59	58.42	59.32	56.65	57.90	59.26	58.36	25	24.7	29	29.5	26.5	24.2	26.5	30.6	22.7	90	92	75	66	82	93	83	24.2
9..	58.54	58.42	59.13	56.74	58.13	59.28	58.37	23.6	23.7	29	30.5	26.3	25	26.4	31.3	22.5	97	97	72	68	86	90	85	....
10..	57.89	57.80	58.36	56.85	57.16	58.04	57.68	24.4	23.5	29	27.8	26.5	25.2	26.1	30	23.1	91	96	76	79	90	92	87.3	3.8
11..	57.09	57.42	57.83	55.87	56.83	57.92	57.16	24.2	23.2	29.1	29.2	27	25.5	26.4	29.8	23	94	98	78	74	88	93	87.5	2
12..	57.20	57.67	58.26	56.30	57.31	58.43	57.53	25	24.8	29.8	30.1	27.3	26.4	27.2	31.3	23.9	95	93	76	73	90	87	85.7	.5
13..	57.52	57.86	59.16	56.68	57.80	59.42	58.07	25	24.5	28.6	31.4	27.2	26	27.1	32	24	90	92	76	65	83	87	82.2	.8
14..	58.44	58.48	59.42	57.42	57.92	59.26	58.49	25	25.5	27.6	28.7	27	26	26.6	29.9	24.3	90	82	73	76	88	85	82.3	....
15..	58.04	57.97	59.26	56.30	57.56	58.03	57.86	26	24.5	27.7	28.9	27.8	25.6	26.8	29.1	23.9	84	92	76	77	80	88	82.8	1.3
16..	57.04	57.26	58.67	56.30	56.83	57.95	57.34	24.6	24	28.5	27.5	27.4	26.1	26.4	31.8	23.7	93	96	78	81	85	91	87.3	....
17..	57.08	56.89	58.03	56.07	56.73	58.22	57.17	25	25.5	26.7	28	27.5	25.1	26.3	28.3	24.1	92	90	85	77	77	92	85.5	....
18..	57.34	57.64	58.68	56.80	57.26	58.92	57.77	26.6	26.5	28.5	29	27.3	26.2	27.4	29.8	23.2	84	84	81	81	84	89	83.8	20.3
19..	58.07	58.43	59.22	56.94	57.47	60.11	58.37	25	24.3	28.4	29.8	27.5	24.6	26.6	30.3	23	92	96	78	74	84	93	86.2	3.8
20..	58.54	58.94	59.17	56.77	57.02	58.91	58.22	24.2	23.2	28.8	30.7	28	25.5	26.7	30.8	22.7	91	94	76	63	77	88	81.5	....
21..	57.60	58.23	58.18	56.03	57.22	58.41	57.61	24	23.3	29.5	31.5	27.7	25.2	26.9	32.2	22.9	93	93	71	63	79	87	81	....
22..	57.84	57.97	59.40	57.58	58.95	59.47	58.54	25	24.5	29	28.4	25	24.2	26	30.3	24	90	93	73	75	92	95	86.3	25.4
23..	59.17	59.23	61.05	58.40	59.47	60.26	59.60	24.3	24.3	27.4	27.5	26.8	24.4	25.8	29.1	23.5	92	92	80	81	82	93	86.7	....
24..	59.37	59.42	60.27	58.24	59.02	60.07	59.40	23.8	23.7	26.5	26	24.5	23.2	24.6	27.9	23	95	96	81	87	93	90	90.3	....
25..	58.95	59.71	60.10	57.87	59.07	59.75	59.24	23.2	22.5	27.1	27.8	25	24	24.9	28.3	22	86	87	72	68	83	88	80.7	....
26..	59.05	58.91	59.86	57.47	58.29	58.52	58.68	23.4	23	27.6	28.5	25.8	24.2	25.4	28.8	22.7	90	91	73	68	78	90	81.7	15
27..	57.76	57.89	58.55	56.61	57.01	58.78	57.77	23.6	23.2	23.6	24.2	24.3	23.1	23.7	25	22.8	95	98	98	98	96	97	97	39.6
28..	58.51	58.91	59.67	58.11	58.95	60.43	59.10	22.6	22.5	27.9	29.5	28.3	25.8	26.1	30	22.1	98	97	81	69	75	90	85	2.5
29..	59.50	59.52	60.12	57.54	58.05	59.14	58.98	24.6	24.8	29.2	30	27	25.5	26.8	30.3	24.3	95	93	76	68	82	91	84.2	1
30..	58.57	58.70	59.66	57.21	58.31	59.35	58.63	25.4	25.3	28.2	29.9	27	25.2	26.8	30.1	24.7	93	93	76	70	88	95	85.8	5.1
Mean	58.20	58.40	59.20	56.98	57.82	59.05	58.27	24.7	24.3	28.4	29.3	27	25.3	26.5	30.1	23.6	91.6	93.1	77.3	72.7	83.5	89.9	84.7	....
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	163.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	NE	NE	NE	N	NE	38.4	61.5	73.4	69.5	243	6	Ci.	Cu.	5	Ci.	Cu.
2..	N	N	NE	NE	N	N	87.9	101.9	123.4	94.1	407.1	7	Ci.	Cu. NE	3	Ci.	Cu.
3..	N	N	N	E	NE	N	112.9	137	96.1	76.4	422.4	6	Ci.	Cu.	8	Ci.-S.	Cu.-N.
4..	N	N	NE	NE	NE	N	98.4	118.6	157.4	99.2	473.6	10	Ci.-S.	Cu.-N.	3	Ci.	Cu.
5..	N	N	NE	NE	NE	N	94.6	105.6	134.7	64.7	399.6	5	Ci.	Cu.	3	Ci.	Cu.
6..	N	N	NE	NE	N	N	58.7	84.7	93.8	63.6	300.8	6	Ci.	Cu.	3	Ci.	Cu.
7..	N	N	N	NE	NE	N	77.7	100.6	135	61.5	374.8	10	Ci.-S.	Cu.	8	Ci.-S.	Cu.
8..	N	N	NE	NE	N	Calm	66	87.1	100	53.7	306.8	8	Ci.-S.	Cu.-N.	6	Ci.-S.	Cu.
9..	NE	Calm	NE	S	NW	NW	40.7	29.5	65.7	30.4	166.3	8	Ci.-S.	Cu.-N.	6	Ci.	Cu.
10..	Calm	Calm	W	S	SW	W	14.3	37.3	62.3	24.6	138.5	5	Ci.	Cu.	8	Ci.-S.	Cu.-N.
11..	W	Calm	Calm	SW	Calm	NW	20.6	26.8	34.9	19.5	101.8	8	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.
12..	NW	NW	N	NE	Calm	N	21.7	65.7	58.5	44	189.9	8	Ci.-S.	Cu.	6	Ci.	Cu.
13..	N	N	N	NE	Calm	N	36.8	42.6	55.7	37.3	172.4	6	Ci.	Cu.	8	Ci.-S.	S.-Cu. N
14..	Calm	NW	NE	SW	Calm	N	26.6	47.7	44.9	21.2	140.4	9	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.
15..	N	Calm	NW	SW	SW	N	21.7	27.6	54.7	36.5	140.5	7	Ci.-S.	Cu.-N.	7	Ci.-S.	Cu.-N.
16..	N	Calm	N	SE	Calm	Calm	17.2	28.4	43.3	13.7	102.6	9	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N.
17..	Calm	Calm	SW	SW	SW	Calm	17.9	56.6	70.5	29.8	174.8	8	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
18..	SW	SW	SW	SW	SW	Calm	75.9	78.3	76.6	27.7	258.5	9	Ci.-S.	Cu.-N	6	Ci.-S.	Cu.
19..	Calm	Calm	SW	SW	SW	N	15.9	45.9	79.4	43.7	184.9	6	Ci.-S.	Cu.	4	Ci.	Cu.
20..	N	Calm	N	SW	SW	Calm	33.6	32.5	71.8	47.7	185.6	7	Ci.	Cu.	4	Ci.	Cu.
21..	N	Calm	N	S	S	NE	24.7	29.3	54.1	28.7	136.8	8	Ci.-S.	S.-Cu.	4	Ci.	Cu.
22..	Calm	N	NE	N	NW	NW	23.5	99	109.9	49.9	282.3	6	Ci.	Cu.	8	Ci.-S.	Cu.-N.
23..	N	N	N	NE	NE	N	46.7	84.8	114.8	58.1	304.4	9	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
24..	Calm	N	NE	N	N	N	26.9	89.8	80.8	94.1	291.6	9	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N.
25..	N	N	N	NE	N	N	109.4	144.2	128.4	74.5	456.5	6	Ci.	Cu.	8	Ci.-S.	Cu.-N. NE
26..	N	N	NE	N	N	NE	89.5	152.1	127.4	76.1	445.1	7	Ci.	Cu.	8	Ci.-S.	Cu.-N.
27..	N	N	N	NW	NW	Calm	55.5	34.6	39.4	23.5	153	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
28..	NW	Calm	NE	NE	NE	NE	31.6	68.1	83.1	49.3	232.1	7	Ci.	Cu.	3	Ci.	Cu.
29..	NE	NE	NE	NE	N	N	64.7	121.2	165.1	116.5	467.5	6	Ci.	Cu.	3	Ci.	Cu.
30..	N	N	N	NE	N	N	95.8	92.2	111.3	103.8	403.1	7	Ci.	Cu.	7	Ci.	Cu. NE
Mean	......	......	......	......	......	......	51.5	74.4	88.2	54.4	268.6	7.4	....	....	6.4	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	8,056.7	....	....	....	....	....	....

ILOILO

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.84 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.77	58.83	59.67	57.38	58.73	59.44	58.80	24.4	24.5	27	29.3	26.3	25.2	26.1	29.7	24	97	93	86	72	86	93	87.8	2.5
2..	58.23	58.95	59.48	57.87	58.85	59.44	58.80	24.6	24.3	28.6	26.6	24.1	24.2	25.4	30	23.2	95	96	70	76	91	90	86.3	14.5
3..	58.29	58.04	58.45	56.18	56.49	57.04	57.42	24	24	27.6	25.5	25.7	24.2	25.2	29.1	23.3	91	95	80	98	88	93	90.8	27
4..	55.64	55.10	54.82	53.59	54.80	55.89	54.97	24.5	24.5	24.5	26.3	25.4	24.8	25	28.9	23.3	91	92	96	85	93	89	91	59.7
5..	55.69	56.50	57.54	55.69	57.07	58.47	56.83	24.2	24	29.2	27	25.8	25.2	25.9	30.8	23.5	91	91	68	86	91	90	86.2	6.8
6..	57.23	57.30	58.77	56.93	57.77	59.04	57.84	25	24.8	28.4	29.1	26.7	25.5	26.6	29.3	24.3	92	92	80	74	86	89	85.5	....
7..	58.33	58.40	59.42	57.21	58.07	59.47	58.48	24.5	23.5	28.6	30.5	27.5	25.5	26.7	31.3	22.8	91	96	77	63	77	88	82	....
8..	58.57	58.72	59.61	57.16	57.90	59.10	58.51	24.6	24.3	26.5	28.8	28	25.8	26.3	29.3	23.9	93	96	86	76	82	90	87.2	....
9..	58	58.29	59.34	57.61	57.86	59.57	58.44	25.2	24.5	27.8	28.3	26.6	25.4	26.3	29.5	24	90	93	76	72	81	88	83.3	.8
10..	58.23	58.84	59.72	57.68	58.46	59.50	58.74	24.8	24.6	27.5	29.5	27	25.5	26.5	29.7	24.3	90	92	74	57	77	84	79	.5
11..	59.39	59.31	59.53	57.82	59.03	59.57	59.11	24	23.5	28.5	29.5	27	25	26.2	29.8	23.3	91	94	67	61	73	87	78.8	....
12..	58.43	58.94	59.55	57.45	58.48	59.14	58.66	24.4	24.1	29	29.5	27.7	25.2	26.6	30.1	28.7	90	92	72	70	79	92	82.5	....
13..	58.19	58.43	58.94	56.40	57.36	58.20	57.92	24.5	24	28.5	29.7	27.6	25.4	26.6	29.9	23.4	91	91	73	63	73	85	79.3	....
14..	57.59	57.85	58.12	55.70	56.55	57.99	57.30	24.2	23.5	28.5	30.7	27.5	24.8	26.5	30.7	23	90	91	75	64	73	83	79.3	....
15..	57.84	58.05	59.04	57.05	57.75	59.16	58.15	23.4	22	28.4	30	27.9	24.5	26	30.2	21.6	86	91	72	64	71	86	78.3	....
16..	58.35	58.66	59.85	57.47	58.17	60.08	58.76	23	21.9	27.5	30.3	27.4	24.6	25.8	30.8	21.3	90	89	76	63	78	90	81	....
17..	59.09	59.66	60.41	58.30	59.40	60.18	59.51	24.2	23.9	28.5	30	27	26	26.6	30.5	23.5	93	92	72	70	82	85	82.3	....
18..	59.27	59.70	60.32	58.40	58.72	59.80	59.37	25	24.2	28.6	30.5	27.5	25.6	26.9	31	23.8	92	94	76	62	83	90	82.8	....
19..	59.59	60.11	61.92	60.33	61.27	61.89	60.85	25.2	24.6	26.5	24.9	24	23.6	24.8	27.3	23.2	90	92	84	96	97	98	92.8	9.9
20..	60.73	60.88	61.50	59.97	60.05	60.76	60.65	24.2	24	27.9	28.2	26	24.8	25.8	28.3	23.2	93	95	82	70	80	89	84.8	....
21..	60.34	60.58	61.66	59.26	60.65	61.05	60.59	24.2	24	28.5	29.5	27.3	25.6	26.5	29.8	23.4	91	91	72	64	75	85	79.7	.5
22..	60.41	60.42	61.27	59.32	60.47	60.92	60.47	24.8	24	28	28	25	24.2	25.7	28.8	23.2	87	91	70	77	90	91	84.3	4.6
23..	60.07	60.47	61.27	58.71	59.66	60.22	60.07	24.3	24	28	29.5	27.7	25	26.4	29.8	23.2	90	91	76	64	76	90	81.2	....
24..	59.23	59.36	60.27	57.53	58.42	59.10	58.98	24.2	24.3	28.5	29	27	25.2	26.4	29.8	23.8	95	93	77	76	83	92	86	1.8
25..	58.19	58.73	59.75	57.55	58.26	59.66	58.69	25	24.5	28.5	29.6	27	25.2	26.6	29.8	23.9	92	93	78	74	83	90	85	....
26..	58.84	59.18	60.02	58.10	58.98	59.44	59.09	24.5	24.6	29.4	29.2	25.7	25	26.4	30.1	23.8	94	95	68	73	88	90	84.7	.8
27..	58.74	59.17	59.83	58.07	59.05	60	59.14	24.5	24.3	29	30	26.9	25.2	26.6	30.3	23.7	91	91	74	71	85	90	83.7	....
28..	59.17	59.55	60.05	57.70	58.75	60.02	59.21	24.5	24.5	29.4	29.6	27.5	25.5	26.8	30.9	23.8	92	92	72	74	81	91	83.7	2.3
29..	59.10	59.67	60.85	58.37	58.96	60.25	59.53	24.8	24.5	26.3	28.2	26.2	24.6	25.8	28.8	23.6	93	96	90	73	81	91	87.3	2
30..	59.33	59.78	61.18	59.54	60.18	61.12	60.19	23.8	23.5	26	26	24.9	23.5	24.6	27.5	22.8	93	97	83	78	84	90	87.5	2.3
31..	60.39	60.52	61.76	59.32	60.49	60.94	60.57	22.6	22.8	24.9	25.4	23.9	23	23.8	26.5	21.9	95	89	77	77	84	91	85.5	3
Mean	58.69	58.97	59.80	57.73	58.60	59.56	58.89	24.4	24	27.9	28.7	26.5	24.9	26	29.6	23.3	91.6	92.8	76.7	72.4	82.3	89.4	84.2	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	139

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	N	N	N	NE	N	N	82.7	96.8	126.8	79.2	385.5	6	Ci.	Cu.	7	Ci.-S.	Cu.-N.
2..	N	N	NE	N	N	N	86.3	129.3	148.1	79.9	443.6	5	Ci.	Cu.	6	Ci.	Cu.-N.
3..	N	N	N	NW	N	NE	75.6	97.9	94.6	66.8	334.9	7	Ci.	Cu.	9	Ci.-S.	Cu.-N.
4..	NW	NW	E	SE	SE	SE	99.6	177.5	84.3	75.1	436.5	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
5..	SE	Calm	SE	SW	SW	S	57.7	48.5	62.5	48.8	217.5	6	Ci.	Cu.	8	Ci.-S.	Cu.
6..	S	S	SW	SW	S	Calm	38.9	49.3	87.1	23	198.3	6	Ci.	Cu.	4	Ci.	Cu.
7..	Calm	S	S	SW	SW	NW	16.3	30	61.2	30.1	137.6	5	Ci.	Cu.	3	Ci.	Cu.
8..	Calm	Calm	NW	NW	NE	NE	21.7	25.2	51.2	49.6	147.7	8	Ci.-S.	Cu.	6	Ci.-S.	Cu.
9..	NE	N	NE	NE	NE	N	71	110.8	127.4	103.3	412.5	7	Ci.-S.	Cu.	9	Ci.-S.	Cu.
10..	N	N	NE	NE	NE	N	128.1	149.9	130.9	87.9	496.8	9	Ci.-S.	Cu.	7	Ci.	Cu.
11..	N	N	NE	NE	NE	N	91.9	167.9	153.4	72.2	485.4	8	Ci.-S.	Cu.	3	Ci.	Cu.
12..	N	N	NE	NE	NE	N	96.1	120.1	94.1	64.4	374.7	5	Ci.	Cu.	4	Ci.	Cu.
13..	N	N	N	NE	NE	N	67.1	106.2	122	88.7	384	6	Ci.	Cu.	3	Ci.	Cu.
14..	N	N	NE	NE	NE	NE	57.9	93.6	104.9	56.3	312.7	5	Ci.	Cu.	3	Ci.	Cu.
15..	NE	NE	NE	E	E	NE	40.8	71.8	72.9	56.5	242	6	Ci.	Cu.	3	Ci.	Cu.
16..	N	N	NE	NE	NE	N	64.2	95.8	104.6	63.4	328	5	Ci.	Cu.	5	Ci.	Cu.
17..	N	N	N	NE	N	N	67.9	101.9	139.8	92.7	402.3	4	Ci.	Cu.	6	Ci.	Cu.
18..	N	N	NE	NE	N	N	66.8	114.8	116.4	79.4	377.4	7	Ci.	Cu.-N.	5	Ci.	Cu.
19..	N	N	N	NE	N	N	81.8	123.3	122.5	95.2	422.8	7	Ci.	Cu.-N.	9	Ci.-S.	Cu.-N.
20..	N	N	NE	NE	NE	N	95.5	129.2	111.8	98.5	435	10	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N. NE
21..	N	N	NE	NE	NE	N	101.1	137.4	141.6	85.8	465.9	8	Ci.-S.	Cu.-N.	4	Ci.	Cu.
22..	N	N	NE	NE	NE	N	121.7	147.5	181.5	113	563.7	6	Ci.	Cu.	7	Ci.-S.	Cu.
23..	N	N	NE	NE	NE	N	100.4	129.7	104.3	69.5	403.9	7	Ci.-S.	Cu.	3	Ci.	Cu.
24..	N	N	N	NE	N	N	85.6	107.2	111.5	75	379.3	5	Ci.	Cu.	5	Ci.	Cu.
25..	N	N	NE	NE	N	N	65	107.2	121.8	92.8	386.8	5	Ci.	Cu.	3	Ci.	Cu.
26..	N	N	NE	NE	NE	NE	84.8	120.4	140.8	86.7	432.7	4	Ci.	Cu.	6	Ci.-S.	Cu.
27..	NE	NE	NE	NE	N	N	73.7	95	100.4	80.8	349.9	4	Ci.	Cu.	5	Ci.	Cu.
28..	N	N	N	NE	NE	N	63.1	111.8	108.6	85.9	369.4	6	Ci.	Cu.	2	Ci.	Cu.
29..	N	N	N	N	NE	N	84.3	130.6	154.3	108.3	477.5	10	Ci.-S.	Cu.-N.	7	Ci.-S.	Cu. NE
30..	N	N	N	N	N	N	113.5	198.5	196.3	170	678.3	9	Ci.-S.	Cu.-N. NE	9	Ci.-S.	Cu.-N.
31..	N	NE	NNE	N	N	N	164.1	183.7	197.7	130.6	676.1	8	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N. NE
Mean	.....	.....	.....	.....	.....	.....	79.5	113.2	118.6	80.9	392.2	6.6	.....	.....	5.8	.....	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12,158.7	.....	.....	.....	.....	.....	.....

TACLOBAN

[φ=11° 15′ N; λ=125° 00′ E; barometer above sea, 3.33 meters; gravity correction not applied, −1.82 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	mm.
1..	60.24	60.79	61.60	59.49	60.86	61.64	60.77	23.8	24.2	27.8	28.7	25.3	25	25.8	31.7	23.2	96	96	88	83	95	95	92.2	18.1
2..	60.27	60.44	61.51	59.48	60.55	61.77	60.67	24.4	24.5	29.4	31.2	26.9	25.7	27	32.4	23.5	97	97	79	76	85	87	86.8	......
3..	60.87	61.46	62.48	60.10	61	62.12	61.34	24.3	23.7	28.7	30.5	26.6	24.5	26.4	32	23.1	96	97	80	76	83	92	87.3	......
4..	61.07	61.47	62.86	60.69	61.60	62.52	61.70	24.3	23.5	27.7	31.2	26.7	24.8	26.4	32	23	94	97	87	71	80	90	86.5	2.3
5..	61.34	62.16	62.95	61.14	62.52	63.82	62.32	23.6	23.5	27.2	30.5	25	23.5	25.6	31	22.5	95	96	84	67	92	96	88.3	17.3
6..	63.04	63.24	64.27	62.20	63.18	64.08	63.34	24	23.3	29.3	30.2	26	24.2	26.2	31.8	21.7	92	95	77	68	82	93	84.5	2.8
7..	62.64	62.81	63.28	61.20	62.21	63.37	62.58	24.5	24.4	27.7	27.8	24.7	24.2	25.6	30.7	23.5	95	91	84	76	89	95	88.3	10
8..	62.14	62.29	62.89	60.54	61.27	62.25	61.90	23.7	23.5	25.7	30.7	26.5	24.3	25.7	31.7	22.8	96	97	92	68	78	89	86.7	6.6
9..	60.65	61.17	61.52	59.35	59.89	61.08	60.61	22.9	22.9	28.5	29.6	26.7	24.7	25.9	31	22.2	97	97	78	72	84	93	86.8	......
10..	59.67	59.94	60.85	58.94	59.30	60.37	59.84	23.9	23.4	26.8	27.3	26	24.2	25.3	28.6	23	96	95	82	87	93	95	91.3	6.1
11..	59.14	59.54	60.81	58.67	59.51	60.47	59.69	24.1	24	28.1	30	26.5	23.3	26	31.5	22.7	97	96	80	75	86	93	87.8	......
12..	59.65	60.17	61.10	59.11	59.93	61.22	60.20	23.5	23.4	28.5	30	24	23.7	25.5	31	22.7	97	97	76	73	93	94	88.3	12.7
13..	59.95	60.52	61.93	59.65	60.31	62.69	60.84	23	22.8	27.2	30.1	26	23.8	25.5	31.7	22.4	97	97	78	68	78	90	84.7	......
14..	61.15	62.50	63.89	61.91	62.25	64.47	62.70	21.6	21.3	27.2	30	25.7	21.7	24.6	31.3	19.9	93	95	70	60	75	90	80.5	......
15..	62.39	62.53	63.51	61.11	61.73	62.79	62.34	20.4	20.2	27.3	30.3	25.7	24.5	24.7	31.7	19.6	95	95	73	61	82	84	81.7	2.8
16..	61.59	62.48	63.37	61.02	62	63.26	62.29	23.5	23.2	25	28.3	26	25.6	25.3	29.5	22.7	90	92	92	70	78	78	83.3	1
17..	61.83	62.49	63.63	61.87	62.82	64.29	62.82	24.4	24	26.7	30.3	25.3	24.9	25.9	31.1	23.7	84	85	77	67	86	86	80.8	......
18..	62.71	63.76	64.72	62.43	63.42	64.37	63.57	24	23.7	28.8	30.3	26.1	24.3	26.2	31.8	23	86	85	72	52	69	86	75	......
19..	63.03	63.69	64.47	62.35	63.77	65.17	63.75	24	23.5	28.4	30.5	25.5	22.6	25.8	31.5	21.5	82	80	64	46	66	95	72.2	......
20..	63.29	63.52	64.35	61.32	62.30	63.27	63.01	22.4	22	24.2	29.2	26	24.7	24.8	30	21.4	94	94	87	65	74	83	82.8	1
21..	62.49	62.84	63.57	61.40	62.32	63.48	62.68	24.9	24.7	27.9	29.7	25.7	25.2	26.4	30.3	24.3	82	82	72	68	75	78	76.2	......
22..	62.39	62.93	63.32	61.15	62.05	63.27	62.52	24.2	24	28.4	31.3	25.5	24.5	26.3	31.5	23.4	85	86	71	58	75	82	76.2	2
23..	61.92	62.17	62.84	60.88	61.35	62.54	61.95	23.6	23	25.8	26.5	25.2	25	24.8	28.5	22.5	90	94	85	84	83	83	86.5	2.5
24..	60.89	61.09	61.97	60.48	60.70	61.62	61.12	24.1	24.4	27.2	27	25.5	24.3	25.4	27.8	23	91	90	81	92	93	97	90.7	28.6
25..	60.94	61.47	62.22	60	60.58	61.74	61.16	23.9	23.7	27.5	29.2	25.6	24	25.6	30	22.6	97	98	87	86	87	91	91	3.5
26..	61.14	61.79	63.15	60.82	61.81	62.64	61.89	23.4	22.3	27.5	29	24.7	23.2	25	30.7	21.2	90	95	75	61	74	81	79.3	......
27..	61.30	61.68	62.57	60.15	61.26	62.74	61.62	21.3	21	29.2	30.8	25.5	22.8	25.1	32.5	20.4	93	94	68	64	80	89	81.3	......
28..	61.24	61.80	62.98	60.17	61.31	62.29	61.63	23	21.6	27.2	29.8	25.7	24	25.2	31	21.1	86	97	73	63	72	83	79	......
29..	61.15	61.74	62.67	60.59	61.47	62.36	61.66	22.3	21.7	30	32.3	26.1	24.9	26.2	33.5	21.3	95	96	65	56	76	84	78.7	4.6
30..	61.14	61.83	62.42	60.29	61	62.42	61.52	23.8	23	28	31	27.1	25.6	26.4	32	22.6	91	97	77	64	80	84	82.2	1.3
31..	61.11	61.84	62.50	60.18	61.04	62.34	61.50	24.4	23.7	29	31.2	26.6	23.2	26.4	31.8	22.5	91	94	74	66	76	91	82	......
Mean	61.37	61.88	62.78	60.60	61.46	62.66	61.79	23.5	23.2	27.7	29.8	25.8	24.2	25.7	31.1	22.4	92.3	93.5	78.3	69.1	81.3	88.6	83.8	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	123.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	Km.	Km.	Km.	Km.	0–10			0–10		
1..	Calm	Calm	Calm	E	Calm	Calm	26.6	19.6	29.2	13.2	88.6	7	....	Cu.-N. ENE	3	Ci.-S.	Cu. ESE
2..	Calm	Calm	Calm	SSE	Calm	Calm	9.1	22.3	41.8	15.5	88.7	6	Ci.	Fr.-Cu. WNW	5	Ci.-S.	Cu. E
3..	Calm	Calm	Calm	SE	ESE	Calm	16.3	18.3	49.9	8.3	92.8	1	Ci.	S.-Cu.	2	Ci.	Cu. E
4..	Calm	Calm	Calm	SSE	ENE	Calm	9.2	19.5	35.1	32.8	96.6	1	Ci.	S.-Cu.	4	....	Cu.-N. ENE
5..	WSW	Calm	ENE	ESE	Calm	Calm	21.7	26.4	35.7	17.2	101	8	Ci.-S.	Fr.-N. ENE	1	....	Cu. E
6..	Calm	Calm	ESE	ESE	Calm	Calm	15.1	36.4	52.8	26.9	131.2	3	Ci.-S.	S.-Cu.	3	Ci.	Cu. E
7..	Calm	Calm	Calm	SSE	Calm	Calm	20.1	34.9	63.1	21.5	139.6	8	....	Fr.-N. E	8	....	N. ENE
8..	Calm	Calm	Calm	ESE	Calm	Calm	33	26	52.5	10.8	122.3	5	Ci.	Cu.-N. E	3	....	Cu. E
9..	Calm	Calm	Calm	SE	Calm	ESE	18.2	23.1	45.4	17.9	104.6	10	....	N.	3	Ci.	Cu. ENE
10..	E	NW	WNW	Calm	Calm	Calm	42.3	40.4	31.9	11.8	126.4	6	A.-Cu. NE	S.-Cu.	8	Ci.-Cu.	Cu.-N. ENE
11..	Calm	Calm	Calm	S	S	Calm	7.4	35.1	68.2	13.4	124.1	5	Ci.-S.	S.-Cu.	1	Ci.	Cu.
12..	Calm	W	Calm	S	Calm	WSW	20.1	26.8	68.2	22.3	137.4	3	Ci.-S.	S.-Cu.	3	Ci.	Fr.-Cu. E
13..	Calm	WNW	Calm	SSE	SE	W	10.8	16.1	46.2	25.1	98.2	4	Ci.	S.-Cu. NE	1	Ci.	Cu.
14..	Calm	WNW	Calm	SSE	Calm	Calm	24.1	24.1	48.5	15	111.7	1	Ci.	S.-Cu.	2	Ci.	Fr.-Cu. NE
15..	ESE	Calm	W	SSE	Calm	Calm	29	36.5	51.8	12.6	129.9	0	Ci.	S.-Cu.	2	Ci.	Cu. E
16..	NW	WNW	Calm	SSE	Calm	NNE	33.2	26.4	41.6	20.4	121.6	10	....	N. ENE	8	A.-Cu.	Cu.-N. E
17..	SE	W	NW	ESE	Calm	ESE	54.7	53.1	51.3	33.3	192.4	3	Ci.	S.-Cu.	8	Ci.-S.	N.-cf. E
18..	WNW	W	Calm	E	E	Calm	44.3	28.8	44.3	30.1	147.5	0	Ci.	S.-Cu.	1	....	Cu. NE
19..	SW	WNW	W	S	Calm	Calm	40.8	36.7	41.2	20.9	139.6	1	Ci.	S.-Cu.	2	Ci.	Cu. NNE
20..	W	WNW	WNW	E	Calm	Calm	40.5	36	42	21.4	139.9	1	Ci.	S.-Cu.	4	....	Cu.-N. NE
21..	W	NW	NNW	S	SW	W	54.1	46.7	37.2	46.9	184.9	10	....	N.-cf. E	8	Ci.-Cu.	Cu.-N. NE
22..	WNW	NNW	N	SSE	W	SW	43.8	47.2	30.1	48.5	169.6	0	Ci.	S.-Cu.	6	Ci.-S.	Cu.-N. ENE
23..	SSW	Calm	WNW	ESE	Calm	Calm	39.7	26	33.2	16.1	115	9	Ci.-S.	N. E	10	....	Cu.-N. NNE
24..	W	NW	SSW	Calm	Calm	Calm	37.2	28.8	7.2	1	74.2	10	....	Cu.-N. E	10	....	N. ENE
25..	Calm	Calm	Calm	S	SE	Calm	2.7	8.2	38.4	15.9	65.2	7	Ci.-S.	N.	9	....	N. ENE
26..	SW	Calm	SSE	E	SE	E	16.3	25.1	44.5	28.8	114.7	1	Ci.	S.-Cu.	1	Ci.	Cu. ESE
27..	SW	W	E	ESE	Calm	WNW	[a]12.9	33.8	34	19.5	100.2	0	Ci.	S.-Cu.	5	Ci.-S.	Cu. ENE
28..	E	W	NW	E	ESE	W	35.4	27.4	41.6	19.9	124.3	0	Ci.	S.-Cu.	2	....	Cu. SSE
29..	WSW	Calm	E	SE	SE	ESE	21.5	32.7	48	12.1	114.3	0	Ci.	S.-Cu.	1	....	Cu.
30..	Calm	Calm	Calm	SE	Calm	Calm	12.1	32.7	67.3	11	123.1	10	....	N.	1	Ci.	Cu. NE
31..	Calm	Calm	Calm	SSE	SE	Calm	15.8	21.4	63.9	13.9	115	6	Ci.-S.	Fr.-N. NE	1	....	Cu.
Mean	......	......	......	......	......	......	26.1	29.6	44.7	20.1	120.5	4.4	....	....	4.1	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	[a]3,734.6	....	....	....	....	....	....

NOTE.—The barometric readings of this station seem to be somewhat too high.

[a] 3 hours missing.

TACLOBAN

[$\phi = 11°\ 15'$ N; $\lambda = 125°\ 00'$ E; barometer above sea, 3.33 meters; gravity correction not applied, −1.82 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.68	62.30	63.26	61.15	61.70	62.66	62.12	22.8	23.1	26	30.8	26.2	23.4	25.4	31.3	22	97	97	85	69	76	93	86.2	0.5
2..	61.87	62.58	62.85	61.25	62.37	63.14	62.34	22.8	22.3	28.9	30.1	25.6	24.3	25.7	31.7	21.5	93	96	73	65	72	86	80.8	....
3..	62.01	63.42	63.48	61.31	62.90	63.56	62.78	24.5	23.1	30.1	31.7	25.7	24.4	26.6	34.3	22.7	83	95	68	57	75	82	76.7	....
4..	62.62	63.44	63.97	62.52	63.56	63.67	63.30	22.9	23.3	27.7	26.6	25.8	24.6	25.2	32.2	22.5	93	93	72	80	78	82	83	....
5..	63.24	64.54	64.41	62.94	64.23	65.29	64.11	23.1	23.7	29.3	26.8	24.2	23.2	25	30	22.5	94	88	70	73	86	93	84	3.6
6..	64.04	65.11	65.20	62.70	63.90	64.41	64.23	22.7	22.7	29	30.8	26.3	23.6	25.8	32	22	97	96	76	56	79	95	83.2	2.1
7..	63.35	64.55	64.94	62.54	63.92	64.07	63.90	23.4	22.8	29.5	32.7	26.8	25.5	26.8	33.7	22	92	95	68	58	78	84	79.2	2.8
8..	62.44	63.99	64.49	62.17	63.15	63.52	63.29	24.4	23.6	26.2	30.6	26.2	24.1	25.8	31.6	23	91	97	91	74	79	91	87.2	6.6
9..	62.32	63.27	63.90	61.71	63.25	63.83	63.05	23.2	22.5	28.5	32.2	25.7	24.5	26.1	32.6	22	94	96	79	65	76	83	82.2	....
10..	62.12	62.64	63.52	60.97	61.81	63.01	62.34	23	22.7	27.7	29	26.2	23.8	25.4	30.5	22	93	94	78	76	79	90	85	1.5
11..	62.28	62.82	63.66	61.33	62.12	63.32	62.59	23.9	23.7	26.5	26.3	25.5	24.3	25	29	22.7	92	92	89	90	89	96	91.3	13
12..	62.08	62.44	63.06	60.70	61.40	63.43	62.18	23.7	23.5	28.4	31.5	26.8	23.6	26.2	32.2	23	98	97	76	68	74	97	85	....
13..	61.34	62.02	63.11	60.86	61.05	62.75	61.86	23.5	23.5	29.3	30.2	26	23.5	26	30.5	20.8	96	97	74	66	78	94	84.2	....
14..	61.47	61.99	62.96	60.78	61.64	62.76	61.93	22.4	22.6	25.7	31	26.6	25.2	25.6	32.7	20.5	96	97	90	69	79	86	86.2	....
15..	61.73	62.17	63	61	61.62	62.97	62.08	24.9	25	26.4	28	26.8	25	26	30.6	24.1	87	86	82	88	90	98	88.5	5.3
16..	61.07	61.58	61.76	59.79	60.50	61.42	61.02	24.5	24	29.7	31.2	27.4	24.4	26.9	33.7	23.1	93	96	77	68	77	94	84.2	6.4
17..	59.69	60.35	61	58.30	59.13	60.44	59.82	23.9	23.3	28.2	32.5	26.2	25.1	26.5	33.5	22	96	98	81	71	91	98	89.2	2.5
18..	59.59	60.04	60.80	59.03	59.80	61.12	60.06	24.3	24.5	28.3	30.5	26.2	24.2	26.3	32.7	23.5	97	92	75	72	87	91	85.7	1.8
19..	60.41	61.06	61.97	59.30	60.15	61.37	60.71	24.7	24.5	26.7	30.8	27	25.7	26.6	31	23.6	92	92	83	76	80	86	84.8	4.3
20..	60.29	61.23	61.75	59.71	60.04	60.77	60.63	25	24.4	26.8	26.3	24.7	24.5	25.3	27.8	23.8	91	95	91	94	91	91	92.2	5.5
21..	59.49	60.09	61.17	58.77	59.19	59.98	59.78	24	23.3	28.7	31	26.7	25	26.4	33	22.7	93	97	78	75	88	94	87.5	....
22..	58.86	59.34	59.95	57.88	58.60	59.69	59.05	24.5	24.2	30	30.6	27.5	24.8	26.9	32.5	23.2	95	96	73	71	78	97	85	1.3
23..	58.91	59.54	60.12	58.36	59.35	60.46	59.46	24.6	24.5	30.2	32.5	27.7	24.9	27.4	34.2	23.7	97	96	75	62	81	96	84.5	....
24..	60.04	60.87	61.27	58.73	59.35	60.91	60.20	23.9	23.1	30	32.7	26.6	22.5	26.5	34.2	21.5	92	97	68	57	70	91	79.2	....
25..	59.89	60.39	60.90	58.80	59.60	61.04	60.10	22.8	22.7	30	31.7	26.5	24.3	26.3	34.2	22.2	93	96	65	50	68	81	75.5	....
26..	59.94	60.79	61.57	59.69	60.65	62.12	60.79	23	22	29	31.7	26.7	25	26.2	34.8	21.4	88	93	69	58	74	85	77.8	....
27..	60.99	61.49	62.32	60.17	60.62	61.84	61.24	24.4	24	29.2	26.3	26	24.5	25.7	31	22	91	93	70	86	78	87	84.2	8.4
28..	60.94	61.37	62.27	59.52	60.17	61.32	60.93	23.8	23.2	25.5	29.1	25.6	25	25.4	30.3	22.6	91	96	92	71	81	88	86.5	....
Mean	61.24	61.98	62.60	60.43	61.28	62.32	61.64	23.7	23.4	28.3	30.2	26.3	24.4	26	32.1	22.4	93	94.8	77.4	70.2	79.7	90.3	84.2	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	65.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	NW	Calm	S	Calm	Calm	25.5	24.9	61.5	16.6	128.5	1	Ci.	S.-Cu.	3	....	Cu. ENE
2..	SW	W	Calm	SE	SE	ESE	24.1	26.6	51.5	26.6	128.8	0	....	S.-Cu.	4	Ci.-S.	Cu. ENE
3..	SW	W	ESE	E	E	WNW	56.1	29.6	52.1	32.4	170.2	0	Ci.	S.-Cu.	1	....	Cu. ESE
4..	W	NW	NW	W	Calm	W	62.8	46.5	43.5	25.7	178.5	6	Ci.-S.	S.-Cu. ENE	9	Ci.-S.	Cu.-N. E
5..	NNW	NW	ESE	E	Calm	Calm	41.2	37	50.9	22.2	151.3	0	....	S.-Cu.	8	....	Cu.-N. NE
6..	WSW	Calm	SE	SE	E	Calm	18.7	30.6	63.6	18	130.9	2	Ci.	S.-Cu. E	2	Ci.	Cu. ENE
7..	SW	W	SSE	SE	E	ESE	18.2	38	56.5	30.1	142.8	1	Ci.	S.-Cu.	1	Ci.	Cu.
8..	Calm	Calm	NNW	E	E	Calm	19.1	29.2	55.7	17.2	121.2	10	....	N.	5	....	Cu. NE
9..	Calm	W	Calm	E	WNW	Calm	25.4	27.2	42.1	22.7	117.4	0	Ci.	S.-Cu.	3	....	Cu. NNE
10..	Calm	Calm	E	S	E	Calm	24.6	30	57.7	17.9	130.2	2	....	S.-Cu.	9	....	Cu.-N. NE
11..	Calm	W	Calm	S	Calm	W	26	39.9	22.3	24.4	112.6	2	....	S.-Cu.	9	....	N. NE
12..	NNW	Calm	Calm	SSE	SE	Calm	19	31.9	54.7	10	115.6	8	....	N.-cf. NE	4	....	Cu.-N. NNE
13..	Calm	Calm	S	SE	E	Calm	11.1	64.7	86.7	18.3	180.8	8	....	S.-Cu. E	1	Ci.	Cu.
14..	NW	W	NNW	SE	E	Calm	26.9	35.7	46.2	16.7	125.5	1	Ci.	S.-Cu.	1	Ci.	Cu.
15..	NNW	NW	NW	Calm	Calm	Calm	42.6	37	17.7	8	105.3	10	Ci.-S.	N.-cf. ENE	10	....	N. E
16..	W	W	Calm	SE	Calm	Calm	21.4	27.2	40.2	20.6	109.4	0	Ci.	S.-Cu.	2	Ci.	Cu.-N.
17..	Calm	Calm	Calm	E	E	W	8.7	22.2	38.3	30	99.2	0	Ci.-Cu.	S.-Cu.	2	Ci.	Cu.
18..	Calm	NW	Calm	S	Calm	Calm	30.6	32.8	33.8	11.8	109	7	Ci.-S.	S.-Cu. ENE	8	....	N. NE
19..	NW	Calm	Calm	SE	SE	Calm	38.1	20.9	32.4	11.3	102.7	10	....	N.	7	....	Cu.-N. NE
20..	Calm	NW	Calm	SE	Calm	Calm	11.1	29.3	23.5	16.3	80.2	8	Ci.-S.	S.-Cu. E	10	....	N.
21..	Calm	W	W	SE	S	Calm	31.7	34.8	60.9	12.9	140.3	0	Ci.	S.-Cu.	3	Ci.	Cu. ENE
22..	SW	Calm	SE	SSE	E	Calm	25.9	29.2	86.7	27.2	169	2	Ci.-S.	S.-Cu.	4	....	Cu. E
23..	W	Calm	Calm	SE	SSE	Calm	32.5	29	57.6	11.6	130.7	7	Ci.-S.	N.-cf. E	3	Ci.	Cu. NE
24..	Calm	Calm	SSE	S	SE	Calm	9.5	27.2	35.7	18.8	91.2	0	Ci.	S.-Cu.	4	Ci.	Cu.-N. NNE
25..	SW	Calm	E	E	E	W	34	35.6	58.9	31.2	159.7	1	Ci.	S.-Cu.	1	Ci.	Cu.
26..	NW	W	Calm	SSE	Calm	Calm	35.2	33.2	45.1	10.3	123.8	0	Ci.	S.-Cu.	4	....	Cu.-N. NE
27..	Calm	S	Calm	E	NE	Calm	9.7	25.2	32.8	23.6	91.3	9	A.-Cu. ENE	S.-Cu.	10	....	N. NE
28..	Calm	W	S	E	Calm	NW	26	26.8	41.5	29.3	123.6	10	Ci.-S.	N.	9	Ci.-Cu.	N.-cf. ENE
Mean	.....	.....	.....	.....	.....	.....	27	32.2	48.2	20.1	127.5	3.8	....	....	4.9	....	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,569.7	....	....	....	....	....	....

TACLOBAN

[ϕ=11° 15′ N; λ=125° 00′ E; barometer above sea, 3.33 meters; gravity correction not applied, —1.82 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	mm.
1..	59.92	60.51	61.72	59.64	60.11	61.37	60.54	24.6	24.7	28.8	30.1	26.8	24.7	26.6	33	24	88	87	67	68	76	90	79.3	......
2..	59.51	60.19	61.55	59.57	60.37	62.17	60.56	24.5	23.5	27.2	31.5	26.2	22.3	25.9	33	22	89	96	79	65	73	91	82.2	2.5
3..	61.29	61.83	62.75	60.43	61.22	62.79	61.72	23	22.7	28.9	30.5	26.2	23.7	25.8	34.5	21.4	91	91	73	65	79	91	81.7	......
4..	61.42	61.84	62.85	60.74	61.45	62.77	61.84	22	22.7	30	31.7	25.8	23.5	26	33.8	21	95	94	65	56	74	87	78.5	......
5..	61.72	62.42	63.07	60.73	61.17	62.69	61.97	22.6	22.5	29.7	31.4	26.7	23	26	33.4	21.7	91	91	65	59	69	93	78	......
6..	61.72	62.37	62.42	60.40	60.41	61.78	61.52	21.4	21.7	29.6	29	26.3	25.2	25.5	32.2	20	98	98	65	65	78	82	81	1
7..	60.67	61.48	62.06	59.80	60.32	61.74	61.01	23.7	23.7	28.9	32.5	26.1	22.4	26.2	33.4	21.1	96	95	66	50	69	88	77.3	......
8..	60.73	61.45	62.14	59.73	60.17	61.38	60.93	20.4	22.8	26.5	31.8	26.7	25.5	25.6	32.7	20	96	91	80	63	75	84	81.5	17.3
9..	60.34	61.12	61.97	60.08	60.87	62.12	61.08	23.4	23.5	28.5	30	24.6	24.2	25.7	31.2	22.8	97	96	83	73	92	91	88.7	5.1
10..	60.98	61.82	62.72	60.60	60.53	61.93	61.43	24	24	27.5	31.1	26	23	25.9	32.2	22.4	92	91	79	61	69	90	80.3	......
11..	61.05	62.03	61.85	60.06	60.85	62.12	61.33	22.5	22.5	30.2	31.7	25.7	25.2	26.3	33.3	21.6	96	96	71	60	82	83	81.3	8.4
12..	60.79	61.74	63	60.62	60.78	62.23	61.53	23.7	23.5	26.3	28.7	26	24.5	25.4	30	22.5	95	96	83	74	85	96	88.2	1.8
13..	60.56	61.73	62.65	60.25	60.47	61.91	61.26	24.4	23.7	30.5	31.2	27.4	24.8	27	33	23	93	95	68	64	72	85	79.5	......
14..	60.49	61.48	62.52	60.37	61.02	62.61	61.42	23.5	23.5	28	27.5	25.3	24.5	25.4	32	22.5	95	94	74	87	88	92	88.3	5.9
15..	60.57	61.44	62.60	60.35	60.97	62.21	61.36	24.5	24.3	28	29.5	25.7	25.1	26.2	32	23.5	92	92	79	77	91	87	86.3	......
16..	60.47	61.47	62.17	59.79	60.47	62.07	61.07	24	23	28.6	33.5	27.1	24.5	26.8	33.6	22.5	91	96	73	57	74	92	80.5	2.5
17..	60.82	61.47	62.42	60.38	60.80	62.35	61.37	24.4	24	28.8	33.2	26.7	25.3	27.1	34.3	23.3	91	94	76	53	71	84	78.2	......
18..	61.57	62.06	62.85	60.94	61.73	63.20	62.06	24.5	24	28.7	30.5	26.4	24.7	26.5	32.3	23	92	93	73	70	86	90	84	......
19..	61.98	62.41	63.37	61.41	61.89	63.52	62.43	24.3	24.2	29.3	27.8	24.8	24.5	25.8	31.5	23.2	92	96	80	87	93	96	90.7	6.6
20..	61.88	62.47	63.15	60.55	61.42	62.59	62.01	23.2	23.8	30.5	30.5	25	23.5	26.1	32.2	22	97	95	72	66	84	90	84	.5
21..	60.97	61.47	62.02	60.10	60.25	61.72	61.09	23.2	22.5	30.6	31.5	26.5	24.5	26.5	32.7	21.4	98	96	62	54	76	87	78.8	......
22..	60.89	61.52	61.70	59.53	59.92	61.50	60.84	23.2	22.7	30.5	31.2	26.6	24.6	26.5	32.8	20.5	93	97	67	66	80	86	81.5	......
23..	60.42	61.16	61.50	59.70	60.42	61.12	60.72	23.5	23.7	29.5	28.6	26.2	23.5	25.8	32	23	94	94	72	78	87	95	86.7	2.8
24..	60.03	60.82	61.26	58.95	59.76	60.67	60.25	23.6	23.7	30.4	32.8	27	22	26.6	34.7	21.5	95	96	63	54	75	97	80	......
25..	60.16	60.64	61.49	59.13	60.07	61.88	60.56	23.5	23.7	25.7	31	27.6	24	25.9	32.5	22.4	88	88	93	67	75	93	84	.5
26..	60.67	61.37	61.35	58.70	60.17	61.35	60.60	23.5	23.2	28	29.7	25.7	25	25.8	31.4	22	90	91	72	77	84	89	83.8	2.8
27..	59.49	60.24	60.84	58.65	59.16	60.27	59.78	23.7	24.2	31.7	32.7	28	25.6	27.6	35.2	22.5	91	94	66	59	76	84	78.3	......
28..	59.57	60.29	60.96	59.25	59.82	61.19	60.18	25.5	25.5	27.5	26.5	26.2	24.5	26	30	23.5	84	86	90	91	88	94	88.8	14.8
29..	59.68	60.39	61.14	58.68	59.30	60.74	59.99	24	24.2	30.2	33.5	27	25	27.3	34.4	23.1	96	95	70	57	77	92	81.2	......
30..	59.34	60.14	60.37	57.88	58.53	60.85	59.52	24.5	24.6	30.3	32.4	27.2	25.5	27.4	33.5	24	91	91	68	60	73	84	77.8	......
31..	58.79	59.41	60.30	58.28	58.87	60.43	59.35	24.9	24.5	29.6	31.7	26.4	25	27	33	23.2	97	95	78	68	79	89	84.3	1.5
Mean	60.60	61.32	62.02	59.85	60.43	61.85	61.01	23.6	23.6	29	30.8	26.3	24.3	26.3	32.8	22.3	93	93.5	73.3	66.2	79	89.4	82.4	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	74

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	Km.	Km.	Km.	Km.	0–10			0–10		
1..	SW	W	N	E	E	Calm	40.2	39.6	35.4	21.1	136.3	10	Ci.-S.	S.-Cu.	10	....	Cu.-N. NE
2..	Calm	Calm	Calm	E	Calm	Calm	20.7	30.3	39.6	11.3	101.9	3	Ci.	S.-Cu.	5	Ci.-S.	Cu.-N. NNE
3..	W	NW	Calm	S	Calm	Calm	18.7	33.3	37.2	11.6	100.8	1	Ci.	S.-Cu.	4	Ci.-S.	Cu. E
4..	Calm	Calm	E	ESE	SF	Calm	16.3	31.9	44.5	21.5	114.2	10	Ci -S.	S.-Cu. E	5	Ci.	Cu. NNE
5..	SW	NW	Calm	S	Calm	Calm	35.2	25.7	58.9	18.2	138	0	Ci.	S.-Cu.	1	Ci.	Cu.
6..	W	Calm	E	SE	SSE	Calm	19.6	36.2	65	15	135.8	0	Ci.	S.-Cu.	8	....	Cu.-N. NbyE
7..	Calm	W	W	F	SE	Calm	16.6	45.1	55.7	14.7	132.1	1	Ci.	S.-Cu.	2	Ci.-S.	Cu. NNE
8..	Calm	W	Calm	SE	E	W	20.7	26	59.3	20.4	126.4	4	....	S.-Cu. ENE	1	Ci.	Cu.
9..	NW	Calm	SE	SSE	W	Calm	28.4	29.6	70.5	16.9	145.4	8	Ci.-S.	S.-Cu. E	6	Ci.-S.	Cu.-N. ENE
10..	W	NW	Calm	ESE	E	Calm	28.8	23.9	36.2	26.8	115.7	7	....	S.-Cu. ENE	3	Ci.	Cu.
11..	W	W	Calm	ESE	Calm	Calm	31.2	35.4	41.3	13.7	121.6	1	Ci.	S.-Cu.	2	....	Cu. ENE
12..	Calm	W	W	S	S	Calm	27.7	26	27.6	20.7	102	5	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N. ENE
13..	Calm	WNW	Calm	S	SSE	Calm	22.2	31.6	72.7	23.3	149.8	2	....	S.-Cu.	1	....	Cu.
14..	Calm	W	S	S	Calm	Calm	22.3	26.8	27.7	20.9	97.7	5	Ci.-S.	S.-Cu.	9	....	Cu.-N. E
15..	W	WNW	NW	SE	W	Calm	31.7	27.9	46.1	17.7	123.4	5	....	S.-Cu. NE	4	....	Cu.-N. ENE
16..	W	NW	WNW	ESE	S	Calm	38.1	57.9	41.3	21.4	158.7	0	Ci.	S.-Cu.	4	Ci.-S.	Cu.-N. NE
17..	Calm	Calm	Calm	E	E	Calm	14.2	14.3	37	16.4	81.9	10	....	N.	4	....	Cu. ENE
18..	Calm	NW	SSE	SSE	Calm	Calm	19.1	33.2	66.5	10.7	129.5	2	Ci.-S.	S.-Cu.	4	Ci.	Cu. NE
19..	Calm	Calm	ESE	SE	Calm	Calm	25.2	47.2	31.9	15.8	120.1	5	Ci.-S.	S.-Cu. NNE	10	Ci.-S.	Cu.-N. ENE
20..	Calm	Calm	SE	SE	Calm	Calm	5.9	34.9	101.4	19.3	161.5	1	Ci.	S.-Cu.	0	Ci.	Cu.
21..	Calm	Calm	SE	SSE	SE	Calm	16.7	41.2	97.2	33.6	188.7	0	Ci.	S.-Cu.	0	Ci.	Cu.
22..	WNW	W	S	S	S	W	24.1	43.8	96.6	45.9	210.4	0	....	Cu.	0	....	Cu.
23..	Calm	Calm	S	SE	SE	Calm	23.3	43.5	57.1	23	146.9	2	....	S.-Cu. E	10	....	N.
24..	Calm	Calm	Calm	SE	S	W	11.6	19.5	56.1	21.1	108.3	6	....	S.-Cu. ENE	2	....	Cu. NE
25..	WSW	Calm	Calm	S	ESE	Calm	30	19	86.3	23.6	158.9	10	Ci.-S.	S.-Cu. NbyE	1	Ci.	Cu.
26..	W	W	WNW	SE	E	W	25.2	39.2	32.5	25.4	122.3	1	Ci.-S.	S.-Cu. NE	2	Ci.	Cu.
27..	Calm	WNW	SE	E	E	WNW	13.1	37.8	32.2	18.7	101.8	3	Ci.-S.	S.-Cu. ENE	6	....	Cu. NE
28..	W	W	W	Calm	Calm	Calm	28.7	32.7	12.7	16.1	90.2	10	....	Cu.-N.	10	....	Cu.-N. ENE
29..	W	NW	Calm	E	E	NW	28.8	24.3	40.8	16.7	110.6	1	Ci.	S.-Cu.	5	Ci.-S.	Cu. NbyW
30..	Calm	W	Calm	SE	NE	Calm	22.8	29	76.2	12.6	140.6	4	Ci.-Cu.	S.-Cu. NE	1	Ci.-S.	Cu.
31..	W	Calm	E	SE	E	E	13.7	35.9	75.6	55.8	181	6	Ci.-S.	S.-Cu. E	8	Ci.-S.	Cu.-N. ESE
Mean	......	......	......	......	......	......	23.3	33	53.5	21	130.7	4	....	....	4.4	....	....
Total	......	......	......	......	......	......	......	......	......	......	4,052.5	....	....	....	....	....	....

TACLOBAN

[ϕ=11° 15′ N; λ=125° 00′ E; barometer above sea, 3.33 meters; gravity correction not applied, −1.82 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.72	60.44	61.26	59.08	60	61.48	60.33	25	24	29.7	31.3	27.3	25.4	27.1	32.5	23.2	92	96	76	67	76	85	82	......
2..	60.04	60.57	61.60	59.60	60.39	61.70	60.65	25	24.2	31.3	32	27.5	25.7	27.6	33.3	23.5	87	91	68	58	78	86	78	......
3..	60.17	60.74	60.75	59.52	59.33	60.43	60.16	24.3	23.7	31.2	27	25.3	24.2	26	33.3	22.6	94	97	66	86	91	90	87.3	7.4
4..	59.21	59.95	61.29	58.94	59.49	61.37	60.04	23.5	22.2	30.1	31.5	26.5	25	26.5	32.3	21.5	92	96	65	58	80	85	79.3	......
5.	60.24	61.19	61.24	59.13	60.05	61.67	60.59	24.3	21.7	30.7	31.7	27.2	25.8	26.9	33.3	21	91	96	59	60	77	82	77.5	......
6	60.57	61.09	61.35	59.38	60.01	61.77	60.70	24.3	23.5	31.2	32.2	27.6	26.5	27.6	33.3	22.9	92	96	66	65	74	80	78.8	......
7..	60.22	61.08	60.72	58.40	59.01	59.95	59.90	25	23.4	30.6	33	27.6	25.7	27.6	35.2	23	85	93	62	56	70	80	74.3	......
8..	58.38	58.89	58.90	56.77	57.98	59.14	58.34	25.4	24.6	30.7	28.4	26.2	25.5	26.8	32.8	23.5	88	91	72	85	90	92	86.3	8.7
9..	57.78	58.22	59.01	57.15	57.91	59.77	58.31	25	25.5	27	29.4	27	26.2	26.7	31.5	24.2	96	93	90	75	78	88	86.7	4.3
10..	57.97	58.42	59	57.35	58.35	59.37	58.41	26	26.3	31.2	31.7	27.5	26.7	28.2	33.2	25	89	88	72	65	81	88	80.5	......
11..	58.38	59.16	60.03	57.49	58.10	59.70	58.81	26.5	27	31.2	31.5	27.4	26.2	28.3	33	24	91	86	69	67	74	82	78.2	......
12..	58.69	59.46	59.75	57.80	58.22	59.45	58.90	25	24	31.7	32.2	27.6	25.5	27.7	33	23.4	89	96	63	64	70	85	77.8	......
13..	58.58	59.39	59.96	57.45	58.40	60.10	58.98	24	23.2	31.5	33.4	27.5	26.8	27.7	35	22.2	91	96	61	57	77	82	77.3	......
14..	58.43	59.37	60	58.29	59.15	60.87	59.35	25.8	25	31.7	32.2	28	26.6	28.2	34.5	23.1	92	93	65	66	77	86	79.8	......
15..	59.82	60.52	60.84	58.95	59.42	61.28	60.14	25.2	24.7	31.6	31.6	28.2	26	27.9	33.5	23.5	93	96	68	66	80	85	81.3	......
16..	60.13	60.49	60.95	58.68	59.02	60.42	59.95	24.7	24.1	32	32.5	28.2	26.2	28	34.4	23	92	95	63	62	69	84	77.5	......
17..	58.98	59.57	60.04	58.10	58.67	60	59.23	25.5	24.7	32.2	31.7	25.8	25.3	27.5	33.2	23.9	93	94	66	64	91	89	82.8	1.5
18..	59.08	59.53	60.56	58.71	59.61	60.20	59.62	25	25.2	31.2	32	26.7	25.2	27.6	34	24.1	93	93	67	64	84	90	81.8	5.1
19..	59.92	60.28	61.16	59.50	60	61.43	60.38	24.6	24.2	31.3	30	27.1	25.7	27.2	34	23.5	93	96	70	75	85	89	84.7	9.1
20..	60.76	61.12	62	59.87	60.64	62.42	61.14	24.5	25.3	30.1	32.1	28	26.5	27.8	33.7	23.8	96	95	71	64	75	84	80.8	......
21..	60.62	61.53	61.54	59.18	59.66	61.43	60.66	24.5	24.3	30.5	33	27.8	24.3	27.4	34.8	23.5	94	93	65	51	69	89	76.8	......
22..	60.47	60.48	61.11	59.06	59.72	61	60.31	24.5	24.8	28.2	27.5	26.6	25.4	26.2	29.7	24	94	95	81	88	89	89	89.3	8.2
23..	60.09	61.14	61.67	59.62	59.95	62.04	60.75	24.5	24.2	31.2	26.5	26	24.9	26.2	31.5	23.5	95	98	71	88	90	92	89	5.9
24..	60.59	61.23	61.47	59.49	60.24	61.50	60.75	24.3	24	30.5	31	27.9	25.7	27.2	33.5	22.2	96	96	68	68	75	84	81.2	......
25..	60.09	61.02	61.21	58.95	59.37	61.01	60.28	24.4	24.5	31.7	32.1	27.9	25.9	27.8	34	23.2	95	96	68	67	79	85	81.7	......
26..	59.48	60.54	60.91	58.56	59.50	60.47	59.91	24.4	24.2	31.5	31.7	27.7	26.5	27.7	32.7	23.5	95	94	64	58	81	84	79.3	......
27..	58.80	59.57	59.90	57.79	58.31	59.43	58.97	25	24.7	30.1	32.5	27.8	26.5	27.8	33.7	23	94	94	72	65	80	84	81.5	......
28..	58.17	59.24	59.35	58.13	58.52	60.14	58.92	25.8	24.7	29.8	26	25.5	24	26	31.6	22.8	92	96	74	92	84	95	88.8	13.5
29..	58.69	59.29	60.31	59.07	58.93	60.67	59.49	22.7	25.1	28.7	25.7	25.2	23.9	25.2	29	22.4	97	95	81	93	96	97	93.2	4
30..	59.47	59.96	60.30	58.30	58.94	60.45	59.57	24.5	24.2	30.3	32.3	27.8	25.5	27.4	33.1	23	97	98	75	66	66	84	81	......
Mean	59.45	60.12	60.61	58.61	59.23	60.69	59.78	24.8	24.4	30.7	30.9	27.1	25.6	27.3	33.1	23.2	92.6	94.4	69.3	68.7	79.5	86.5	81.8	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	67.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	SSE	S	S	Calm	21.4	46.5	95.8	49.3	213	9	Ci.-S.	Cu.-N. E	2	Ci.	Cu.
2..	W	N	SE	S	SSE	Calm	36	37.8	83.9	28	185.7	0	Ci.	S.-Cu.	1	Ci.	Cu.
3..	Calm	Calm	S	S	Calm	SE	9.7	49.9	48.9	19.6	128.1	0	Ci.	S.-Cu.	10	....	N. NbyE
4..	Calm	Calm	SSE	S	S	E	13.9	38.9	82.4	37	172.2	1	....	S.-Cu.	0	Ci.	Cu.
5..	Calm	Calm	S	S	SE	E	11.5	61.7	101.6	45.9	220.7	1	Ci.	S.-Cu.	0	Ci.	Cu.
6..	W	Calm	SSE	SE	ESE	Calm	23.8	38	89.3	19	170.1	0	Ci.	S.-Cu.	2	Ci.	Cu. E
7..	Calm	Calm	Calm	S	E	WNW	13.7	19.9	60.6	30.9	125.1	2	Ci.	S.-Cu.	1	Ci.	Cu.
8..	W	W	Calm	S	Calm	W	28.4	30.3	29.5	24.9	113.1	4	Ci.	S.-Cu. NE	10	Ci.-S.	Cu.-N. ENE
9..	Calm	Calm	SE	SSE	SF	SE	10.2	62	72.4	36.4	181	10	....	Cu.-N. E	5	Ci.-S.	Cu.-N. E
10..	Calm	SE	SE	S	SE	SE	35.4	87.5	93.8	52	268.7	3	Ci.	S.-Cu. ESE	4	Ci.	Cu. E
11..	SE	SE	SSE	SE	SE	S	57.9	77.9	116.7	44	296.5	7	Ci.-S.	S.-Cu. E	1	Ci.	Cu.
12..	SSE	Calm	SE	SSE	SE	Calm	19	76.2	110	26.2	231.4	0	Ci.	S.-Cu.	0	Ci.	Cu.
13..	Calm	Calm	SSE	SSE	E	E	12.6	37.8	67	25.4	142.8	0	....	S.-Cu.	6	....	Cu.-N. E
14..	Calm	Calm	Calm	SE	SSE	Calm	7.8	33.3	123.3	37.5	201.9	0	Ci.	S.-Cu.	3	Ci.	Cu.
15..	Calm	Calm	S	S	S	SE	19.5	33.2	107.8	35.9	196.4	0	....	S.-Cu.	7	Ci.-S.	Cu.-N. NNE
16..	W	NW	E	S	E	Calm	17.7	33.2	86.1	23.8	160.8	3	Ci.-S.	S.-Cu. E	4	Ci.	Cu. E
17..	Calm	NW	SSE	E	SE	Calm	15.6	42.6	100.8	29.6	188.6	1	....	S.-Cu.	4	....	Cu.-N. ENE
18..	SE	E	SSE	S	Calm	Calm	22.8	52.8	65.4	12.7	153.7	8	Ci.-S.	Cu.-N. ESE	4	....	Cu. E
19..	Calm	NW	Calm	Calm	E	Calm	23.9	28.4	48.9	16.9	118.1	0	....	S.-Cu.	6	....	Cu.-N. NE
20..	Calm	Calm	Calm	S	ENE	Calm	15.6	28	75.8	14.5	133.9	3	....	S.-Cu.	3	Ci.	Cu. E
21..	Calm	NW	Calm	E	E	Calm	25.9	34.4	51.5	17.4	129.2	1	Ci.	S.-Cu.	4	Ci.	Cu. NE
22..	W	NW	NW	Calm	Calm	Calm	43.3	25.9	11.6	6.4	87.2	8	Ci.-S.	S.-Cu. E	8	Ci.-S.	Cu.-N. E
23..	Calm	NW	S	Calm	Calm	W	21.5	49.4	25.7	18.7	115.3	3	Ci.-S.	S.-Cu.	8	Ci.-S.	N. ENE
24..	NW	W	Calm	SE	F	Calm	16.1	25.9	51.7	22.2	115.9	0	Ci.	S.-Cu.	3	Ci.	Cu. NE
25..	Calm	Calm	Calm	SSE	SE	Calm	19.5	35.6	83.9	30.4	169.4	1	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu. ENE
26..	Calm	Calm	SW	SSE	S	Calm	9.9	37.8	85.9	30.3	163.9	4	Ci.-S.	S.-Cu. E	5	Ci.-S.	Cu. E
27..	Calm	Calm	S	S	S	Calm	7.5	20.1	92.8	24.7	145.1	3	Ci.-S.	S.-Cu	4	Ci.	Cu. E
28..	Calm	Calm	Calm	Calm	SE	Calm	18.8	33.5	37.6	22.8	112.7	9	Ci.-S.	N.	10	Ci.-S.	Cu.-N. ENE
29..	Calm	NW	Calm	Calm	Calm	Calm	20.7	22.3	35.4	7.7	86.1	4	Ci.-S.	S.-Cu. E	10	....	N.
30..	Calm	NW	Calm	S	SE	Calm	11.5	33.6	90.7	25.4	161.2	1	Ci.	S.-Cu.	3	....	Cu. E
Mean	......	......	......	......	......	......	20.4	41.1	74.2	27.2	162.9	2.9	....	....	4.5	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	4,887.8	....	....	....	....	....	....

TACLOBAN

[ϕ=11° 15′ N; λ=125° 00′ E; barometer above sea, 3.33 meters; gravity correction not applied, —1.82 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.31	60.04	60.17	58.13	58.71	60.07	59.40	24	24.2	31.5	31.7	28	26.5	27.6	33.3	23	95	95	69	65	81	86	81.8	....
2..	59.10	60.14	60.40	57.79	58.77	60.52	59.45	24.4	24.2	31.7	34	28.5	25.3	28	34.5	23.1	97	97	63	60	68	88	78.8	....
3..	59.04	59.39	59.85	58.27	59.10	59.88	59.26	24.5	24.5	31.3	32.1	28.4	26.2	27.8	35	23.5	92	96	66	62	76	86	79.7	....
4..	58.64	59.24	59.50	58.13	59.10	60.52	59.19	25.2	24.5	32.8	35	28.2	26.7	28.7	36.3	24	92	96	64	55	77	86	78.3	4.1
5..	59.80	60.62	60.90	59.51	59.87	61.11	60.30	25.5	25.3	31.3	30.7	27.5	26.2	27.8	33	24.3	94	94	71	71	86	90	84.3	5.8
6..	59.72	60.41	60.18	58.22	59.37	60.76	59.78	24.6	25.5	32.2	32	28.5	26.8	28.3	33.7	23.9	95	93	65	64	74	86	79.5	6.9
7..	59.11	59.73	60.05	58.21	58.56	59.70	59.23	25	24.7	31.8	32.2	29.2	25.8	28.1	33.5	23.6	95	96	67	68	72	89	81.2	....
8..	58.62	59.01	59.47	58	58.97	60.63	59.12	25.5	25	31.7	32.5	28.4	26.1	28.2	33.8	23.8	94	95	64	62	76	86	79.5	....
9..	59.40	60.01	59.91	57.90	58.59	60.21	59.34	24.4	25.4	31.8	33	29	26.5	28.4	33.8	22.9	95	93	67	64	75	82	79.3	....
10..	58.57	59.34	59.67	57.85	57.83	59.27	58.76	25.3	24.7	32.2	32.7	28	26.7	28.3	34	24	93	94	63	64	81	85	80	....
11..	57.70	58.24	58.86	56.73	57.81	59.50	58.14	26.4	26	31.5	32.5	28.1	27.3	28.6	34	24.5	90	92	62	59	77	84	77.3	....
12..	57.74	58.74	59.18	56.92	57.52	59.05	58.19	26.3	25.2	32.5	32.2	28.5	27.3	28.7	34.6	23.7	96	95	68	64	78	85	81	....
13..	58.14	58.69	59.05	57.30	57.64	59.07	58.32	26.5	25.7	32.8	32.7	28.7	27.5	29	34.6	25	93	94	65	61	80	82	79.2	....
14..	57.89	58.48	59.07	57.04	57.35	58.87	58.12	26	25.7	33.3	32.3	28.5	27.5	28.9	34.5	24.7	94	94	62	64	78	83	79.2	....
15..	57.19	57.92	58.64	56.19	56.77	57.95	57.44	26.5	25.3	32.3	33.2	29	27	28.9	35.8	24.5	94	94	63	60	76	87	79	....
16..	57.05	57.75	58.25	55.85	56.60	58.50	57.33	26.5	26	33	31.7	28.7	27.7	28.9	34.5	24.4	91	96	65	68	80	84	80.7	....
17..	57.15	57.84	58.21	55.94	56.95	58.36	57.41	26.3	26	32.7	32.7	29	28.1	29.1	35	25.1	93	94	68	59	78	85	79.5	....
18..	56.92	57.92	58.44	56.17	56.96	58.52	57.49	27.7	27.5	33	33.7	29.2	28.4	29.9	34.6	26.5	87	86	65	57	76	85	76	....
19..	57.67	58.77	59.05	56.82	57.57	59.30	58.20	28.3	26.5	32.3	32.6	28.8	28.2	29.4	35.4	25.5	87	91	67	64	80	85	79	7.4
20..	58.77	59.55	59.67	57.80	58.01	59.69	58.92	27.5	26.5	32	29.8	28.5	28	28.7	34	26	91	94	74	79	77	85	83.3	....
21..	58.89	59.95	60.15	58.53	58.77	60.02	59.38	27.2	26.6	33	28.8	28.1	26.8	28.4	34.5	25.2	90	93	67	79	82	82	82.2	....
22..	58.89	59.44	59.25	57.91	58.30	59.70	58.92	25.2	25	31.5	31.5	28.5	27.8	28.2	34.8	24.5	93	94	70	66	81	86	81.7	....
23..	58.44	59.28	59.84	57.92	58.42	59.79	58.95	27	27.2	28.8	31.5	28.3	27.7	28.4	32.7	25.5	89	83	89	67	80	87	82.5	....
24..	58.49	59.09	60.05	57.84	58.19	59.70	58.89	27.3	26.7	32.3	33.3	28.7	27.6	29.3	33.8	26.1	88	92	64	62	78	79	77.2	....
25..	58.38	59.41	60.01	57.80	58.20	59.50	58.88	26.2	25.3	30.5	34.3	28.5	26.6	28.6	35	24.4	85	89	70	52	81	84	76.8	....
26..	58.24	58.97	59.19	57.05	57.29	59.26	58.33	24.4	25.5	32.7	33.5	28.7	25.7	28.4	34.5	22.8	90	89	65	48	74	86	75.3	....
27..	57.33	57.76	58.16	56.03	56.26	58.50	57.34	25	24.4	31.7	32.7	28.5	27	28.2	34	23.5	92	92	68	59	74	90	79.2	....
28..	57.27	57.70	58.25	56.19	56.65	58.71	57.46	26.2	27	32.3	32.1	28.5	28.5	29.1	34.5	25.5	93	92	69	64	74	84	79.3	....
29..	57.03	57.38	58.21	56.68	56.90	58.67	57.48	27	26.5	32.5	33.5	28.9	28.5	29.5	34.8	24.5	92	92	63	62	78	77	77.3	8.4
30..	57.59	57.86	58.27	57.22	57.07	59.35	57.89	25.2	25	28.7	31.7	28.5	26.2	27.6	32.4	24	94	95	81	68	78	90	84.3	60
31..	58.95	59.38	59.95	58.06	58.20	59.26	58.97	24.3	24.6	30	32.7	28.5	25.7	27.6	33.5	23.5	97	97	76	62	78	90	83.3	....
Mean	58.29	58.97	59.35	57.42	57.95	59.48	58.58	25.9	25.6	31.9	32.4	28.5	27	28.5	34.3	24.4	92.3	93.1	67.7	63.2	77.5	85.3	79.9	....
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	92.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	E	S	S	NW	14.8	32.7	100.4	28.2	176.1	0	Ci.	S.-Cu.	2	....	Cu. E
2..	Calm	Calm	Calm	S	E	Calm	21.4	27.7	55.3	15.5	119.9	0	Ci.	S.-Cu.	1	Ci.	Cu.
3..	W	NW	Calm	ESE	Calm	Calm	30.3	25.4	50.4	13.9	120	0	Ci.	S.-Cu.	3	Ci.-S.	Cu. ENE
4..	Calm	Calm	Calm	Calm	E	Calm	21.2	19.8	44.5	13.5	99	1	Ci.	S.-Cu.	4	....	Cu. E
5..	Calm	Calm	SE	S	E	Calm	7.7	32.7	58.7	10.7	109.8	8	Ci.-S.	N. E	6	Ci.-S.	Cu.-N. ENE
6..	Calm	NW	Calm	S	Calm	Calm	11.8	19.1	34.9	11.6	77.4	3	Ci.-S.	S.-Cu. ESE	2	Ci.	Cu.
7..	Calm	Calm	S	S	SE	Calm	6.4	38.3	68.9	15	128.6	0	Ci.	S.-Cu.	2	Ci.	Cu.
8..	Calm	Calm	E	S	E	Calm	18	30.1	78.6	9.1	135.8	0	Ci.	S.-Cu.	3	Ci.	Cu. E
9..	Calm	Calm	SSE	S	S	Calm	11.8	36	88.8	28.2	164.8	0	Ci.	S.-Cu.	2	....	Cu.
10..	Calm	Calm	SSE	S	Calm	Calm	16.3	36.4	69.5	20.4	142.6	0	Ci.	S.-Cu.	3	....	Cu. ESE
11..	NW	Calm	SE	SE	SE	E	[a]15.1	[b]45.3	85.3	43.3	[c]189	4	Ci.-S.	S.-Cu. E	1	Ci.	Cu.
12..	Calm	Calm	SSE	S	SE	SSE	3.2	46.1	90.9	44.3	184.5	4	Ci.-S.	S.-Cu. E	2	Ci.	Cu.
13..	Calm	Calm	S	S	SE	SE	10.7	54.5	95.3	50.1	210.6	2	Ci.	Fr.-Cu. SE	1	Ci.	Cu.
14..	Calm	Calm	ESE	SE	S	S	17.4	38.1	90.4	48.3	194.2	1	Ci.	S.-Cu.	3	Ci.-S.	Cu.
15..	NW	Calm	SF	SE	E	Calm	19.8	31.9	46.2	8.2	106.1	8	Ci.-S.	S.-Cu. ENE	5	Ci.-S.	Cu. NE
16..	Calm	Calm	S	SE	SE	Calm	5.8	36.2	83.7	32.5	158.2	4	Ci.-S.	S.-Cu. ESE	3	Ci.-S.	Cu.
17..	Calm	Calm	S	S	S	SE	3.4	51.8	83.7	55.7	194.6	6	Ci.-S.	S.-Cu. E	2	Ci.-S.	Cu.
18..	SE	S	S	S	SE	SE	58.5	55.5	82.4	63.8	260.2	8	Ci.-S.	N. ESE	3	Ci.	Cu.
19..	NW	Calm	S	SE	S	SE	30.8	59.7	88.5	66.8	245.8	2	Ci.	S.-Cu. ESE	4	Ci.-S.	Cu.
20..	S	SE	SE	S	SE	SE	43.3	29.2	74.3	60.6	207.4	5	....	S.-Cu. ENE	7	Ci.-S.	Cu.-N. ENE
21..	S	Calm	SE	E	SE	SE	23.9	38.1	54.7	27.7	144.4	4	Ci.-S.	S.-Cu. ESE	8	....	Cu.-N. ENE
22..	NW	Calm	Calm	S	S	E	30.9	27.7	76.1	40.7	175.4	0	Ci.	S.-Cu.	5	....	Cu.-N. NE
23..	Calm	SE	S	SE	SE	SE	25.7	56.9	66	45.6	194.2	7	....	S.-Cu. E	8	Ci.-S.	Cu.-N.
24..	E	Calm	SE	S	SF	E	30.9	55.5	82.7	54.5	223.6	4	Ci.	S.-Cu. E	2	Ci.-S.	Cu.
25..	Calm	Calm	SE	S	SE	Calm	23.6	28.4	55.7	23.8	131.5	4	Ci.-S.	S.-Cu. E	4	Ci.-S.	Cu.
26..	Calm	Calm	E	SSE	S	Calm	6.4	32.2	89.3	27.7	155.6	0	Ci.	S.-Cu.	2	Ci.	Cu.
27..	Calm	Calm	S	S	SE	Calm	3	42.4	81.6	17.9	144.9	0	Ci.	S.-Cu.	2	Ci.	Cu.
28..	Calm	Calm	SE	S	S	SE	7.8	40.7	56.3	52.6	157.4	5	Ci.-S.	S.-Cu. E	3	Ci.-S.	Cu.-N.
29..	Calm	Calm	SE	SE	S	E	8.3	49.1	81.1	47.2	185.7	5	Ci.-S.	S.-Cu. SE	3	Ci.	Cu. E
30..	Calm	Calm	S	S	SE	Calm	15.3	40.8	65	39.7	160.8	8	Ci.-S.	Cu.-N. ENE	5	Ci.-S.	Cu. ENE
31..	Calm	Calm	SE	SE	Calm	Calm	18.8	36	63.4	16.3	134.5	10	....	N.	4	Ci.-S.	Cu. NE
Mean	......	......	......	......	......	......	18.1	38.5	72.3	33.3	162.3	3.3	....	....	3.4	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	[c]5,032.6	....	....	....	....	....	....

[a] 3 hours missing. [b] 2 hours missing. [c] 5 hours missing.

TACLOBAN

[ϕ=11° 15′ N; λ=125° 00′ E; barometer above sea, 3.33 meters; gravity correction not applied, —1.82 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.50	59.30	59.74	58.06	58.12	58.94	58.78	25.4	26.2	29.7	28.7	28.1	26.2	27.4	33.7	24.3	93	94	77	85	84	92	87.5	......
2..	57.64	58.23	58.45	56.63	56.80	58.82	57.76	26	25.8	32.5	33.5	29.8	27.6	29.2	34	24.5	92	95	65	60	73	94	79.8	......
3..	56.92	57.49	57.77	56.26	56.85	58.28	57.26	26.6	25.5	32	31.1	28.5	26	28.3	32.8	25	95	98	69	73	81	94	85	......
4..	57.32	57.79	57.89	56.45	56.96	58.46	57.48	25.6	25.7	32.5	32.4	29.5	26.5	28.7	34	24.5	95	97	65	64	79	92	82	......
5..	57.74	58.49	58.77	58.07	58.42	59.12	58.44	25.1	26.2	33.5	28.1	27	25.3	27.5	35.1	24.1	96	95	64	82	90	94	86.8	1.5
6..	58.17	58.64	59.14	58.13	58.62	60.16	58.81	25.5	25.7	30.3	25.7	26.2	25.7	26.5	31.6	24	94	92	74	93	94	97	90.7	29.2
7..	58.61	59.18	58.71	56.81	58.32	59.39	58.50	25	25.2	30.5	28.2	25.3	24.6	26.5	31.5	23.7	97	98	76	89	91	97	91.3	37.2
8..	57.24	56.48	57.09	54.71	54.97	55.80	56.05	24.6	25.5	25	24.3	23.5	24.5	24.6	25.7	22.7	95	93	93	93	93	93	93.3	105.3
9..	55.31	55.71	56.82	55.64	56.15	57.64	56.21	23.8	24.7	30.2	31.3	28.5	27	27.6	32	23	93	96	71	71	81	81	82.2	......
10..	56.90	57.15	57.50	56.50	57.05	58.02	57.19	25.2	25.3	31.4	31.4	27.4	25.3	27.7	32.6	24.2	92	92	67	66	86	88	81.8	......
11..	57.26	57.45	57.81	56.52	56.61	58.64	57.38	25	25.2	31	31.4	28.6	26.8	28	32	24	92	92	72	71	82	87	82.7	......
12..	57.39	57.88	58.42	56.67	57.40	58.81	57.76	25.3	25.4	30	32	28.5	28	28.2	32.6	24.2	91	88	80	69	83	86	82.8	......
13..	57.64	58.49	58.87	57.25	57.69	59.45	58.23	25.6	25.6	31.5	32.3	28.6	25.3	28.2	33.2	24.2	90	95	65	66	82	94	82	7.6
14..	58.14	58.67	59.04	57.57	57.65	59.15	58.37	24	23.7	30.2	32.6	28.5	28	27.8	33.1	22.8	95	96	74	66	80	83	82.3	......
15..	58.12	58.85	58.71	57.15	57.49	59.86	58.36	25.8	25.6	32.2	33.4	28.7	27.5	28.9	34.1	24.2	92	95	73	58	78	84	80	......
16..	58.07	58.94	59.15	57.69	58.12	59.76	58.62	26.4	25	31.8	34.3	28	25.5	28.5	35	24	92	96	69	65	82	94	83	......
17..	58.63	59.41	59.49	57.33	58.06	59.19	58.68	25	24.3	30.8	33.3	29.3	25	28	34.8	23.2	95	96	78	61	81	92	83.8	......
18..	57.94	58.29	58.66	56.95	57.40	58.24	57.91	24	24.9	29.7	30.3	26	25	26.6	30.8	23	97	94	79	71	90	92	87.2	9.4
19..	56.86	57.26	57.23	56.44	57.39	58.68	57.31	24.7	24.7	30.7	26.7	24.9	23.9	25.9	31.2	23	92	91	75	93	94	96	90.2	13
20..	57.16	57.55	58.27	56.84	57.71	59	57.76	23.4	24.5	28	30.7	28.9	25.5	26.8	31.5	22.7	97	96	77	65	69	89	82.2	......
21..	58.11	58.59	59.29	57.50	58.01	59.67	58.53	24	23.5	30.8	33	30	26.1	27.9	34	22.5	95	96	70	60	66	89	79.3	......
22..	58.82	59.76	59.31	58	58.36	59.63	58.98	26	25.3	32.7	32	29.3	26	28.6	33.2	23.5	90	95	70	67	79	92	82.2	......
23..	57.74	58.69	58.75	57.35	58.77	59.45	58.46	27.5	24.3	31.7	32.2	28.2	26	28.3	33.8	23.5	85	93	66	60	87	89	80	......
24..	57.96	58.40	58.16	57.42	58.57	58.99	58.25	24	25.2	31	27.5	25.3	24.7	26.3	31.2	23.1	93	93	71	88	95	97	89.5	8.9
25..	57.31	57.71	58.07	56.23	56.53	57.79	57.27	24.7	24.3	26.3	26.5	26.3	24.7	25.5	26.9	23.5	96	97	85	90	87	97	92	2.8
26..	56.94	57.21	57.46	56.42	56.93	58.34	57.22	23.5	23.8	28	29.5	25.6	24.7	25.8	30	22.6	97	97	79	78	93	96	90	......
27..	57.88	58.20	58.94	57.35	57.91	59.83	58.35	24.6	24.7	31.1	32.7	28.1	26.3	27.9	33.5	23.5	95	96	73	66	79	94	83.8	14.7
28..	58.94	59.56	59.25	58.25	58.50	59.90	59.07	25.7	25.4	31.5	30.7	29	27	28.2	34	24.5	93	97	77	76	79	90	85.3	1
29..	58.64	59.12	58.82	57.03	57.66	58.67	58.32	25.4	25.5	30.5	26.7	26.7	25.6	26.7	32	24.3	93	92	71	88	86	93	87.2	17.5
30..	56.44	56.59	56.76	55.33	55.64	55.84	56.10	25.4	25.7	27.2	28.6	26.8	24.7	26.4	29	23.5	93	94	89	79	83	91	88.2	2.5
Mean	57.68	58.17	58.41	56.95	57.49	58.78	57.91	25.1	25.1	30.5	30.4	27.6	25.8	27.4	32.3	23.7	93.5	94.6	73.8	73.8	83.6	91.6	85.1	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	250.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	NW	Calm	S	SE	Calm	29.5	33.2	40	14.8	117.5	4	Ci.-S.	S.-Cu. E	6	Ci.-S.	N. ENE
2..	Calm	NW	Calm	S	E	NW	23	32.5	82.4	38.4	176.3	0	Ci.	S.-Cu.	1	Ci.	Cu.
3..	Calm	Calm	Calm	SE	Calm	Calm	19.9	25.4	33.2	6.6	85.1	6	Ci.-S.	S.-Cu. E	8	Ci.-S.	Cu.-N. E
4..	Calm	NW	S	SE	Calm	Calm	13.5	40.8	33.3	5.3	92.9	3	Ci.-S.	S.-Cu.	4	Ci.	Cu.-N. E
5..	Calm	NW	E	Calm	Calm	Calm	12.3	31.2	27.4	1.1	72	3	Ci.-S.	S.-Cu.	8	....	Cu.-N. ENE
6..	Calm	Calm	NW	NW	Calm	Calm	25.4	30.4	23.9	20.9	100.6	2	Ci.	S.-Cu.	10	Ci.-S.	Cu.-N. E
7..	Calm	NW	NW	NW	Calm	NW	26	44.3	48.3	21.7	140.3	6	Ci.-S.	S.-Cu. ESE	7	Ci.-S.	N. E
8..	NW	NW	NW	WNW	WSW	WSW	70	112.7	122.8	75.8	381.3	10	....	N. N	10	....	N. NW
9..	Calm	S	S	ESE	S	S	25.7	53.3	72.4	41.8	193.2	10	....	Cu.-N.	6	Ci.-S.	Cu. SW
10..	Calm	Calm	S	WSW	S	Calm	9.9	38.4	54.9	25.1	128.3	8	Ci.-S.	S.-Cu. SW	9	....	Cu.-N. W
11..	Calm	Calm	S	SE	SSE	Calm	20.3	74.8	65.5	22.5	183.1	4	Ci.-Cu.	S.-Cu.	3	Ci.-S.	Cu.
12..	Calm	S	S	SE	SSE	Calm	22.8	56.3	75.3	39.6	194	4	Ci.-S.	S.-Cu.	2	Ci.	Cu.
13..	Calm	Calm	S	SE	SE	Calm	8	54.2	75.1	35.4	172.7	6	A.-Cu. SSE	S.-Cu.	1	Ci.	Cu.
14..	Calm	Calm	SE	SE	WSW	SE	1.3	45.4	62.8	47.8	157.3	0	Ci.	S.-Cu.	1	Ci.	Cu.
15..	Calm	Calm	E	SE	S	Calm	9.4	28.7	50.5	19	107.6	1	Ci.	S.-Cu.	3	Ci.	Cu. E
16..	Calm	Calm	S	WSW	Calm	Calm	5.1	37.5	29.6	2.2	74.4	0	Ci.	S.-Cu.	4	....	Cu.-N. E
17..	Calm	Calm	Calm	Calm	Calm	Calm	4.6	11.1	19	2.9	37.6	3	Ci.-S.	S.-Cu.	6	Ci.	Cu.-N. ENE
18..	Calm	Calm	Calm	S	Calm	Calm	8.2	17.2	23.3	6.7	55.4	2	Ci.-S.	S.-Cu.	8	....	Cu.-N.
19..	Calm	Calm	Calm	Calm	Calm	Calm	9.2	10.2	20.7	19.6	59.7	9	....	S.-Cu. W	10	....	N. WNW
20..	Calm	Calm	W	WNW	WNW	Calm	8	48.6	79.9	17.7	154.2	10	....	S.-Cu. W	6	....	Cu.-N. WSW
21..	Calm	Calm	Calm	WNW	NW	Calm	10.2	14.7	45.1	18.2	88.2	0	Ci.	S.-Cu.	5	Ci.-Cu.	Cu.-N. W
22..	Calm	Calm	Calm	S	Calm	Calm	10	23.9	48.1	3.5	85.5	2	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu. E
23..	NW	Calm	Calm	NW	Calm	Calm	19.6	11.8	42.8	4.5	78.7	2	Ci.-S.	S.-Cu.	9	....	Cu.-N. ENE
24..	Calm	Calm	WNW	Calm	Calm	Calm	6.7	38	23.1	2.1	69.9	3	Ci.-S.	S.-Cu.	10	....	N. NW
25..	Calm	Calm	NW	NW	WNW	Calm	3.4	19.3	37.6	8.2	68.5	10	....	S.-Cu.	10	....	N.
26..	Calm	Calm	Calm	Calm	Calm	Calm	12.1	10.3	18.2	3.5	44.1	10	Ci.-S.	Cu.-N. WNW	10	....	Cu.-N. WSW
27..	Calm	Calm	SE	SE	S	Calm	9.1	52.9	75.4	38.3	175.7	5	A.-Cu. WbyS	S.-Cu.	1	Ci.	Cu.
28..	Calm	Calm	Calm	Calm	Calm	Calm	5.4	16.9	23.3	12.9	58.5	2	Ci.-S.	S.-Cu.	1	....	Cu.-N.
29..	Calm	NW	NW	ENE	NW	Calm	25.9	44.9	23.8	16.1	110.7	0	Ci.	S.-Cu.	10	....	N.
30..	NW	NW	NW	NW	NNW	NW	23.6	48.3	36.4	44.1	152.4	4	Ci.-S.	S.-Cu. ENE	10	....	Cu.-N.
Mean	......	......	......	......	......	......	15.9	36.9	47.1	20.5	120.5	4.3	....	....	6.1	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	3,615.7	....	....	....	....	....	....

TACLOBAN

[ϕ=11° 15′ N; λ=125° 00′ E; barometer above sea, 3.33 meters; gravity correction not applied, —1.82 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	54.45	54.57	55.42	54.31	54.49	56.06	54.88	25.5	26	27.2	25.2	25.7	24.2	25.6	27.5	23.2	89	88	84	88	90	90	88.2	5.3
2..	56.11	56.55	57.74	57.02	58.17	60.20	57.63	23.6	24	27.4	30.1	26.2	25.5	26.1	30.5	23	95	91	81	71	85	88	85.2	1.8
3..	59.64	60.47	60.64	59.32	60.15	61.50	60.29	23.7	24.9	30.7	32.3	27.6	25.4	27.4	32.4	22.5	96	92	72	72	79	94	84.2	....
4..	59.97	60.54	60.40	58.75	59.72	60.38	59.96	25	25	29.8	32	27.6	26.5	27.6	33.2	23.8	95	93	73	69	83	90	83.8	....
5..	58.76	59.57	59.52	58.47	58.82	59.94	59.18	25	25	28.5	27.6	25.5	24	25.9	32.5	23.5	92	92	78	81	89	93	87.5	22.6
6..	58.88	59.44	59.17	58.19	59.32	60.22	59.20	23.7	24.1	28.5	32	27.5	25.9	27	32.8	23	94	96	83	63	82	90	84.7	....
7..	59.94	60.57	61.07	59.35	60.20	61.29	60.40	25	24.4	31.5	33.1	25.9	25	27.5	33.5	23.4	95	97	77	60	86	95	85	....
8..	60.12	60.49	60.86	59.03	59.51	60.65	60.11	23	24.7	30.7	32.7	27.5	26	27.4	34.8	22.5	97	96	72	64	88	94	85.2	1.8
9..	59.14	59.66	59.77	58.07	58.39	59.63	59.11	25	25	30.1	29	26.5	25.5	26.8	33.7	23.9	95	96	75	78	88	93	87.5	....
10..	58.84	59.48	59.40	57.89	58.14	59.92	58.94	23.6	24.4	31	30.5	26.8	25.6	27	33.8	23.4	95	97	68	76	87	92	85.8	....
11..	58.69	59.21	59.59	57.93	59.16	60.53	59.18	24.6	24.7	31.3	31.7	28.1	26	27.7	34	24	95	97	75	66	80	84	82.8	....
12..	59.42	59.96	60.20	58.69	58.77	59.82	59.48	24.2	24.5	32.5	32.8	28.7	26.6	28.2	35.2	23.5	97	96	71	68	80	93	84.2	....
13..	58.77	59.15	59.75	58.51	58.87	59.88	59.16	25.7	25.2	30	29	25.8	24.8	26.8	33.8	22.7	94	97	73	82	91	93	88.3	2.6
14..	58.58	59.24	59.50	57.52	58.23	59.65	58.79	23.5	24.5	31	28.1	28.2	26	26.9	34	22.5	94	96	72	78	81	92	85.5	....
15..	58.29	58.99	58.30	56.85	57.24	59.09	58.13	24.5	24	32.5	31.7	26.8	26.2	27.6	35.6	22.8	96	97	71	68	86	92	85	....
16..	57.61	58.50	58.23	56.94	58.10	58.91	58.05	25	24.7	32.5	30.7	24.7	24.6	27	36	24	97	98	69	70	94	95	87.2	15.2
17..	58.09	58.54	58.77	57.50	58.55	59.73	58.53	23.8	24.5	30.5	29.8	25.3	24.5	26.4	32	23	96	96	78	77	93	94	89	7.3
18..	57.89	58.02	58.42	57.31	57.41	58.18	57.87	23.9	23.5	28.2	30.7	27.7	25.5	26.6	31.3	22.8	96	97	85	70	79	88	85.8	....
19..	56.85	57.03	57.07	55.91	55.96	57.22	56.67	25.1	25	27	30.4	27.7	26	26.9	30.5	24.1	94	95	86	67	85	89	86	....
20..	56.13	56.41	56.77	56.10	56.40	57.07	56.48	25	24.5	27.1	27.5	26.5	25.7	26	29.1	23.6	95	96	87	87	88	91	90.7	....
21..	56.03	56.35	56.63	55.30	56.70	58	56.50	24	24.8	31.7	30.5	25	24.5	26.8	34	23.1	97	98	74	70	96	96	88.5	53.6
22..	56.20	56.58	56.85	55.29	56.13	57.46	56.42	24	24.2	30.7	27	25.5	24.8	26	32.2	23.4	97	98	80	89	93	95	92	18.8
23..	56.29	56.64	56.77	55.57	56.31	57.60	56.53	24	24.5	30.2	27.2	24.5	24.3	25.8	31.2	23	95	96	77	90	96	96	91.7	27.1
24..	56.61	57.05	57.29	55.81	57.19	58.39	57.06	24	24.5	30.3	30.1	25.5	24.6	26.5	33	23.5	97	96	80	72	92	95	88.7	20.1
25..	56.63	57.44	57.68	56	56.02	56.98	56.79	24.2	24.3	29.6	32	29	26.8	27.6	32.2	23	97	97	81	69	74	87	84.2	....
26..	55.89	56.07	55.68	54.16	54.43	55.41	55.27	26.6	27.2	29	28.7	27	25.6	27.4	29.5	24.2	87	81	73	69	80	95	80.8	3.1
27..	54.11	54.36	54.89	54.09	54.18	54.89	54.42	24.4	24.5	26.3	27.7	25	24.7	25.4	28	23.5	93	92	88	84	90	94	90.2	1.3
28..	54.86	55.19	55.79	55.35	55.24	55.81	55.37	24.3	25.6	28.4	28.4	25.5	27	26.5	30.2	23.5	92	84	70	72	88	68	79	....
29..	54.64	54.80	54.87	53.80	54.28	55.27	54.61	25.4	26.2	31.7	32.3	29	27.7	28.7	33	24.2	85	79	62	55	72	73	71	....
30..	54.02	54.42	54.45	53.39	53.50	55.34	54.19	27.4	25.5	32.7	33.2	31.3	26.5	29.4	34	24.3	77	89	64	53	66	90	73.2	....
31..	54.75	55.44	55.26	54	54.67	56.72	55.14	25	25.3	33	33.4	30.4	27.5	29.1	35.8	23.5	92	89	67	54	63	75	73.3	....
Mean	57.30	57.77	57.96	56.66	57.23	58.44	57.56	24.6	24.8	30.1	30.2	26.9	25.6	27	32.6	23.4	93.7	93.6	75.7	72	84.6	90.1	85	....
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	180.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	WNW	W	WNW	Calm	Calm	S	34.6	33.2	20.3	31.1	119.2	10	Ci.-S.	N.-cf. wsw	10	....	N.-cf. W
2..	Calm	S	SSW	SSE	WSW	WSW	23.1	43.5	61.4	17.5	145.5	10	....	N.	8	Ci.-S.	Cu.-N.wsw
3..	Calm	Calm	SSE	SE	S	Calm	4.8	44.5	43	19	111.3	8	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu.
4..	Calm	NW	NW	Calm	Calm	Calm	18.5	29	23	9.9	80.4	3	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu.
5..	Calm	WNW	NW	NW	Calm	Calm	15	38	39.4	17.7	110.1	8	Ci.-S.	S.-Cu.	10	....	N.
6..	Calm	Calm	Calm	ESE	Calm	Calm	14.3	7.7	33.8	12.9	68.7	4	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu.
7..	Calm	Calm	Calm	S	Calm	Calm	7.8	9.9	24.1	13.4	55.2	2	Ci.	S.-Cu.	7	Ci.-S.	Cu.-N. ESE
8..	Calm	Calm	Calm	SE	Calm	Calm	6.1	10.3	46.1	8	70.5	0	Ci.	S.-Cu.	2	Ci.	Cu.
9..	Calm	Calm	Calm	S	Calm	NW	20.4	20.4	45.3	16.3	102.4	2	Ci.	S.-Cu.	5	Ci.-S.	Cu.-N. ESE
10..	Calm	Calm	SE	SE	Calm	Calm	5.4	25.2	35.7	8.9	75.2	1	Ci.	S.-Cu.	7	Ci.-S.	Cu.-N. ESE
11..	Calm	Calm	Calm	E	E	NW	19.6	22.2	52.3	28.5	122.6	0	Ci.	S.-Cu.	6	Ci.-S.	Cu.-N. ESE
12..	Calm	NW	Calm	S	S	NW	20.6	21.9	44.9	16.3	103.7	0	Ci.	S.-Cu.	3	Ci.-S.	Cu. E
13..	Calm	NW	Calm	SE	SE	Calm	25.1	29.3	51.7	13.1	119.2	1	Ci.-S.	S.-Cu.	9	Ci.-S.	N.
14..	Calm	Calm	Calm	W	Calm	Calm	15	18.2	31.9	1	66.1	2	Ci.-S.	S.-Cu.	6	....	Cu.-N. SE
15..	Calm	Calm	Calm	ESE	Calm	Calm	1.6	15.8	30.8	6.4	54.6	1	Ci.	S.-Cu.	4	Ci.-S.	cu.-N.Nbyw
16..	Calm	Calm	SE	S	W	Calm	14.7	17.2	38.1	11.3	81.3	1	Ci.	S.-Cu.	7	....	Cu.-N.SSE
17..	Calm	NW	NW	NW	Calm	NW	9.7	31.2	35.2	28.2	104.3	1	Ci.	S.-Cu.	6	Ci.-S.	Cu.-N. ESE
18..	Calm	NW	Calm	NW	NW	NW	15.3	30.8	15.5	34.9	96.5	1	Ci.	S.-Cu.	6	Ci.-S.	Cu.-N. N
19..	Calm	NW	NW	NW	Calm	Calm	25.4	47.8	42	6.1	121.3	9	Ci.-S.	Cu.-N.	6	Ci.-S.	cu.-N.Nbyw
20..	Calm	Calm	NW	Calm	Calm	NW	13.5	23.8	18.3	19.8	75.4	3	Ci.-S.	S.-Cu.	10	....	Cu.-N.NNW
21..	Calm	Calm	Calm	SE	WNW	Calm	14.5	22.8	50.5	24.1	111.9	6	Ci.-S.	Cu.-N.	8	....	Cu.-N. SSE
22..	Calm	Calm	Calm	Calm	NW	Calm	6.4	14.3	41	11.3	73	4	Ci.-S.	S.-Cu.	7	....	Cu.-N.
23..	Calm	Calm	Calm	Calm	Calm	Calm	1.6	23.5	15.8	5.1	46	7	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.-N.
24..	Calm	Calm	Calm	S	SSW	Calm	5.9	14	34.8	17.9	72.6	4	Ci.-S.	S.-Cu.	4	Ci.-S.	cu.-N.sbyw
25..	SW	Calm	Calm	NW	WNW	Calm	14.2	6.9	74.6	12.1	107.8	3	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu.-N. SW
26..	NW	NW	WNW	WNW	Calm	Calm	56.3	85	47.7	11.9	200.9	8	Ci.-S.	s.-cu.Nbyw	10	....	Cu.-N.
27..	Calm	Calm	Calm	Calm	Calm	Calm	4.6	17.4	9.4	1.4	32.8	10	....	Cu.-N.	10	Ci.-S.	N.
28..	Calm	Calm	WSW	WSW	Calm	WSW	6.6	63.8	46.4	42	158.8	10	Ci.-S.	S.-Cu.	10	....	Cu.-N.
29..	Calm	Calm	WSW	WSW	Calm	W	17.7	45.4	48.1	23.9	135.1	7	Ci.-S.	S.-Cu. W	5	Ci.-S.	Cu.-N. W
30..	WSW	Calm	Calm	WNW	WSW	WNW	20.7	22.8	67.1	12.9	123.5	4	Ci.-S.	S.-Cu.	5	Ci.-S.	Cu.-N. W
31..	Calm	Calm	Calm	WSW	Calm	WSW	3.4	6.6	47.5	34.9	92.4	4	A.-Cu. W	S.-Cu.	3	Ci.-S.	Cu. W
Mean	......	......	......	......	......	......	14.9	27.2	39.2	16.7	98	4.3	....	....	6.4	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	3,038.3	....	....	....	....	....	....

TACLOBAN

[$\phi=11°\ 15'$ N; $\lambda=125°\ 00'$ E; barometer above sea, 3.33 meters; gravity correction not applied, —1.82 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	55.89	56.08	56.22	54.52	55.30	56.67	55.78	27.1	26.6	33	34.5	30	29	30	36	25.5	79	81	57	56	67	69	68.2	......
2..	56.01	56.77	57.57	55.67	55.97	56.84	56.47	28.8	27.8	27.6	29.5	28.5	26	28	31	25.5	72	69	83	75	81	89	78.2	......
3..	55.82	57.08	56.73	55.05	55.64	56.54	56.14	26.8	25.6	26.9	28.2	26.6	26	26.7	29	24.5	90	95	90	77	89	89	88.3	2.6
4..	55.64	56.31	56.69	55.19	55.82	57.59	56.21	25.2	25	29.3	31.2	27.7	25	27.2	31.5	23.6	93	92	77	67	81	93	83.8	12.2
5..	56.69	57.01	57.33	56.23	56.62	57.27	56.86	24	24.2	29.5	29.4	27.7	27.6	27.1	32	23.2	93	94	76	78	79	76	82.7	8.9
6..	56.11	57.02	57.52	55.56	55.76	56.67	56.44	26.5	25.5	29.7	31	29	27	28.1	33	25	88	92	68	62	72	71	75.5	......
7..	54.99	55.27	55.27	53.67	54.43	56.05	54.95	26.8	26.7	32.2	33.2	28.7	29.2	29.5	34.6	26	77	79	62	60	77	63	69.7	......
8..	53.82	54.22	55.25	53.81	53.88	55.82	54.47	29	28.7	30.1	33.6	29.1	29.5	30	34.8	27.6	67	63	65	60	70	65	65	......
9..	54.10	54.63	55.27	53.98	54.91	56.01	54.82	29	28.2	31	32.5	30	28.2	29.8	34	27.1	69	73	62	58	64	69	65.8	......
10..	54.53	55.03	55.25	54.16	54.89	55.75	54.94	28.3	28.2	31.2	32.7	28.3	28.3	29.5	33.8	26.7	69	69	62	54	74	63	65.2	......
11..	54.67	55.07	55.62	54	54.70	55.67	54.96	27.6	27.5	31	30.7	29.5	29.2	29.2	33.1	25.1	71	73	61	62	65	63	65.8	......
12..	54.85	55.06	55.97	54.30	55.08	56.76	55.34	29	28.8	31.6	33.9	30.4	29.2	30.5	34.6	27.2	64	63	57	52	58	63	59.5	......
13..	56.10	56.53	57.22	55.90	56.70	58.09	56.76	27.7	27.7	30.5	32.8	28.9	26.2	29	34.6	25.4	70	70	65	56	65	88	69	11.9
14..	57.87	58.29	58.36	56.31	57.37	58.88	57.85	25.2	24.7	30.5	33.2	29.2	26.5	28.2	34.8	23.7	93	94	78	58	75	88	81	......
15..	57.57	58.66	58.32	56.92	57.79	59.27	58.09	25.3	25	31.7	33	29.7	26.5	28.5	34.8	23	93	93	69	62	73	90	80	......
16..	58.25	59.34	59.32	57.60	58.62	59.72	58.81	24.4	25.1	32.6	34.8	29.3	25.5	28.6	35.6	23.8	95	93	64	61	73	88	79	......
17..	58.60	58.65	58.86	57.58	57.92	58.65	58.38	26.3	26.2	31.2	32.1	29.4	27.5	28.8	33	24.6	85	87	63	56	64	81	72.7	......
18..	57.60	57.97	57.60	55.72	56.13	57.07	57.02	27.4	27.2	30.4	29.1	28.7	27.7	28.4	31.4	26.3	83	83	66	71	70	81	75.7	......
19..	55.69	55.63	56.32	54.91	55.33	56.22	55.68	26.5	27	27.7	29	27.2	27	27.4	29.1	25.1	83	81	76	75	75	75	77.5	5.1
20..	54.92	55.99	56.85	56.10	57.21	59.67	56.79	27.6	26.5	32	30.1	27.9	25.6	28.3	33.3	25	73	71	61	71	75	90	73.5	......
21..	58.90	59.34	59.22	57.68	58.10	59.66	58.82	24.5	25.2	31	34	28.7	25.5	28.2	35	23.6	91	90	68	63	81	92	80.8	......
22..	58.32	58.95	59	56.99	57.31	59.01	58.26	25.5	24.7	31.3	33.5	30	27	28.7	34.2	24	91	96	68	54	63	80	75.3	......
23..	57.54	57.67	57.70	56.03	56.54	57.92	57.23	26.4	27	31	32	29	27.5	28.8	32.6	25.2	89	86	63	55	68	82	73.8	......
24..	56.03	56.34	56.96	55.29	56.12	57.81	56.42	27	25.3	32.6	33.2	29.5	27.5	29.2	35.8	24.5	84	89	57	51	69	82	72	......
25..	56.64	57.07	57.57	55.72	56.46	58.52	57	24.9	25.7	32.4	36.7	29.5	26.5	29.3	37.4	24	89	80	57	46	78	83	72.2	......
26..	57.74	58.19	59.03	58	58.30	59.96	58.54	26.2	24	31.7	31.7	28.5	26.2	28	35.2	22.7	84	93	68	62	79	90	79.3	......
27..	58.82	59.64	59	57.66	58.42	59.42	58.83	25	25	29.7	28.6	26.7	26.7	27	35	24	97	96	73	64	85	83	83	......
28..	56.89	57.14	57.12	56.14	56.30	57.14	56.79	25.9	25.7	30.3	30.2	28.2	27	27.9	31.4	23.9	88	91	67	64	72	83	77.5	......
29..	55.34	55.54	56.04	55.20	55.44	56.86	55.74	26	25.5	26.4	26.2	24.6	25	25.6	26.5	23.5	89	92	82	87	95	85	88.3	11.4
30..	56.07	56.65	57.41	56.16	56.77	57.79	56.81	26	25.2	29	32.9	27	25	27.5	33.5	23.8	84	80	72	58	72	83	74.8	......
31..	56.97	57.64	57.83	55.90	56.81	58.19	57.22	25.6	25.1	32	32	27.9	25.7	28	34.3	23.6	82	81	57	54	78	84	72.7	......
Mean	56.42	56.93	57.24	55.74	56.34	57.66	56.72	26.5	26.1	30.6	31.8	28.6	27	28.4	33.4	24.7	83.1	83.5	67.5	62.2	73.8	80	75	......
Total	.....	.....	.....	.....	.....	.....	......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	52.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	WSW	WSW	WSW	WSW	WSW	Calm	36.5	15.5	45.1	31.4	128.5	7	A.-Cu. ENE	S.-Cu.	6	Ci.-S.	Cu.-N. W
2..	WSW	Calm	Calm	WSW	Calm	Calm	56.5	15.1	24.9	10.7	107.2	8	Ci.-S.	S.-Cu. W	7	Ci.-S.	Cu.-N.
3..	WSW	Calm	Calm	WNW	Calm	Calm	17.7	3.5	19.6	4.6	45.4	10	....	N.	10	....	N.
4..	Calm	WNW	Calm	W	Calm	WNW	26	15.6	33.8	29	104.4	10	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N.
5..	Calm	Calm	SSW	SW	Calm	SW	6.6	22.5	47.2	31.1	107.4	7	Ci.-S.	S.-Cu. W	9	....	Cu.-N. W
6..	Calm	WSW	SW	SW	Calm	WSW	39.6	48.9	60	50.5	199	10	....	N.	8	Ci.-S.	Cu.-N. W
7..	WSW	WSW	SW	SW	Calm	SW	47.2	67.6	64.9	47.8	227.5	7	Ci.-S.	S.-Cu. W	6	Ci.-S.	Cu.-N. W
8..	SW	SW	SW	SW	SW	SW	62	71.6	62.5	52.5	248.6	2	Ci.	S.-Cu.	7	....	Cu.-N. W
9..	SW	SW	SW	WSW	W	WSW	56.8	61.7	56.3	47.5	222.3	7	....	S.-Cu. W	7	Ci.-S.	Cu.-N. W
10..	SW	WSW	SW	WSW	W	W	60.4	63.1	64.9	72.4	260.8	7	Ci.-S.	S.-Cu. W	6	Ci.-S.	Cu.-N. W
11..	SW	SW	SW	SW	W	SW	35.4	68.9	51.7	82.3	238.3	10	....	Cu.-N. W	8	Ci.-S.	Cu.-N. W
12..	SW	SW	WSW	SW	SW	SW	87.1	78.6	69.2	39.6	274.5	3	Ci.	S.-Cu.	7	....	Cu.-N. W
13..	SW	SW	SW	SW	SW	Calm	33.5	59.2	54.9	25.5	173.1	6	Ci.-S.	S.-Cu. W	4	Ci.-S.	Cu.-N. W
14..	SW	Calm	ESE	SSW	Calm	Calm	11.3	39.2	36	9.5	96	3	Ci.-S.	S.-Cu.	5	Ci.-S.	Cu.-N. W
15..	WSW	Calm	ESE	Calm	Calm	NW	9.1	15.3	25.7	9.7	59.8	0	Ci.	S.-Cu.	6	....	Cu.-N. WSW
16..	Calm	Calm	Calm	Calm	Calm	Calm	11.1	9.9	14.8	8.3	44.1	6	A.-Cu. W	S.-Cu.	5	Ci.-S.	Cu.-N.
17..	WNW	W	NW	WNW	W	NW	22.5	88.8	107.8	72.7	291.8	0	Ci.	S.-Cu.	3	Ci.	Cu. W
18..	NW	WNW	NW	NW	NW	NW	87.2	133	132.6	98.8	451.6	3	Ci.-S.	S.-Cu. NW	10	....	Cu.-N. WNW
19..	NW	NW	WNW	WNW	WNW	WNW	121.8	103.8	91.1	51.3	368	9	....	S.-Cu. W	8	Ci.-S.	Cu.-N. W
20..	WSW	Calm	SW	SW	Calm	Calm	60.2	41.5	47.8	8.9	158.4	10	....	Cu.-N. W	9	....	Cu.-N. W
21..	Calm	Calm	E	E	Calm	Calm	4	38	38.9	4	84.9	3	Ci.	S.-Cu.	2	....	Cu.
22..	Calm	Calm	Calm	W	W	Calm	15.6	24.3	72.4	31.9	144.2	0	Ci.	S.-Cu.	1	....	Cu.
23..	NW	NW	WNW	NW	NW	NW	42	118.5	132	47.5	340	4	Ci.-S.	S.-Cu. WSW	3	Ci.	Cu. W
24..	Calm	Calm	NW	NW	Calm	Calm	12.3	18.5	44.3	11.1	86.2	3	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu. W
25..	Calm	Calm	S	WSW	E	Calm	11	49.3	58.9	12.3	131.5	1	Ci.	S.-Cu.	3	Ci.	Cu. W
26..	Calm	Calm	SE	SE	Calm	Calm	3.4	47.7	39.1	12.3	102.5	0	Ci.	S.-Cu.	5	Ci.-S.	Cu.-N. W
27..	Calm	Calm	NW	S	Calm	WNW	19.3	24.7	31.9	26.2	102.1	5	Ci.-S.	Cu.	8	....	Cu.-N. W
28..	Calm	Calm	WNW	WNW	WNW	NW	19.1	93.9	115.1	74	302.1	1	Ci.	S.-Cu.	9	Ci.-S.	Cu.-N. W
29..	WNW	WNW	WNW	WNW	WNW	WSW	105.7	56.8	51.3	22.8	236.6	10	....	N. W	10	....	N. W
30..	WSW	Calm	S	W	WSW	Calm	31.2	40.2	60.2	29	160.6	10	....	Cu.-N. W	8	Ci.-S.	Cu.-N. WSW
31..	WSW	Calm	S	SW	Calm	S	32.2	40	45.3	18	135.5	5	Ci.-S.	S.-Cu. WSW	7	Ci.-S.	Cu.-N.
Mean	......	......	......	......	......	......	38.2	50.8	58.1	34.6	181.7	5.4	....	....	6.5	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	5,632.9	....	....	....	....	....	....

TACLOBAN

[ϕ=11° 15′ N; λ=125° 00′ E; barometer above sea, 3.33 meters; gravity correction not applied, —1.82 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*G.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.14	57.60	57.36	56.25	56.89	58.82	57.34	24.8	24.7	32.4	33.7	28.5	27.7	28.6	34.2	23	90	87	64	59	83	87	78.3	....
2..	58.14	58.79	59.62	57.81	58.70	60.16	58.87	25	25.1	31.7	32.2	28.3	26.5	28.1	34.7	23.7	93	95	64	65	82	88	81.2	....
3..	59.09	59.79	60.20	58.18	58.91	60.50	59.44	26	24.3	32.3	33.2	28.5	26.8	28.5	34.7	23.2	89	96	66	61	77	89	79.7	....
4..	59.21	59.94	59.62	57.63	58.89	59.75	59.17	26.5	25	31	32.3	26	26.2	27.8	35	24.3	90	93	64	53	85	87	78.7	....
5..	58.43	58.96	58.91	57.07	57.62	59.02	58.34	25.7	25	29.2	25.5	26.2	25.5	26.2	32.7	24.1	90	95	74	88	92	96	89.2	2.5
6..	57.74	58.10	58.65	56.94	56.97	57.85	57.71	25.4	25.5	28.7	26.2	25.7	25	26.1	30.4	24	93	92	77	90	88	93	88.8	6.9
7..	56.80	57.65	57.95	56.49	56.54	58.10	57.26	25	23.5	24.5	26.7	26.2	25.5	25.2	27.2	22.9	95	97	96	82	82	89	90.2	9.7
8..	56.64	57.18	58.27	56.54	56.79	58.38	57.30	25.3	25.5	27	27	25.7	25.2	26	27.2	24.2	89	85	81	80	86	93	85.7	....
9..	57.74	58.28	59.09	56.64	57.42	58.69	57.98	24.9	24.5	25.7	26.8	26.3	24.7	25.5	27.8	23.3	94	96	92	83	85	94	90.7	....
10..	56.96	57.24	58.33	56.28	56.31	56.89	57	24.4	24.5	25.5	25.2	24.7	25.7	25	26	23	95	92	93	88	94	88	91.7	6.4
11..	55.38	55.45	56.21	55.04	54.96	55.20	55.37	25.2	25.2	24.8	25.3	24	25.2	25	25.7	23.2	90	87	91	91	90	87	89.3	14.7
12..	54.21	54.30	54.82	53.42	54.47	54.62	54.31	24	24.7	27.6	28.3	26.1	26.3	26.2	29.5	22.5	90	78	77	70	83	74	78.7	....
13..	54.73	55.33	55.54	54.40	56.08	57.49	55.60	24.5	25.5	29	31.2	25.5	24.5	26.7	33.1	22.9	82	78	75	60	85	92	78.7	....
14..	56.91	57.48	57.65	56.31	56.72	58.41	57.25	24.4	24.6	30	29.7	27.5	25.5	27	33	23.3	93	95	71	72	78	91	83.3	....
15..	57.15	57.81	57.97	56.52	57.22	58.92	57.60	25.4	24.7	30.7	27.2	27.6	24.8	26.7	31	23.3	92	97	72	87	81	93	87	11.7
16..	57.90	58.38	58.66	57.19	58.29	59.48	58.32	24.2	25	30.3	27	26	25	26.2	33	23.1	93	95	78	89	94	97	91	26.7
17..	59.25	60.04	60.27	58.62	59.55	60.56	59.72	24.3	24.2	24	27	25.7	24.8	25	28.1	23	97	97	94	82	88	95	92.2	9.4
18..	59.68	60.31	60.34	58.85	59.65	60.74	59.93	24.4	24.5	26	30.8	25.4	24.9	26	31	23.5	93	96	89	74	90	94	89.3	....
19..	59.52	60.02	60.46	58.67	59.14	60.47	59.71	24.2	24.3	27.7	29	26.1	24.7	26	32.2	23.5	77	97	81	74	89	94	88.7	....
20..	58.89	59.46	59.86	57.96	58.39	60.13	59.12	24.5	24.3	29.1	30.9	27.2	25.5	26.9	33.1	23.3	96	96	71	70	84	85	83.7	....
21..	59.34	59.98	60.17	57.96	58.53	60.41	59.40	24.5	24	31	29.2	26.9	25.5	26.8	33	23.3	92	94	69	80	86	93	85.7	....
22..	59.39	59.96	60.54	58.15	58.53	60.01	59.43	24.6	24.5	30.3	33	28	26	27.7	33.9	24	97	96	72	63	85	88	83.5	....
23..	58.92	59.54	59.96	58.03	58.50	60.07	59.17	25.4	25	29	34	29.3	26	28.1	36.2	23.8	88	90	75	58	69	90	78.3	....
24..	58.83	59.33	59.67	58.06	58.68	60.06	59.10	24.8	25	29.3	29	26	25.7	26.6	32.6	23.9	92	92	74	82	95	94	88.2	6.4
25..	58.77	59.19	59.73	58.22	58.94	60.42	59.21	25	25.3	29	28.6	27.3	26	26.9	32.4	24.1	95	96	83	88	88	92	90.3	3.8
26..	58.94	59.64	60.14	58.03	58.40	60.01	59.19	25	25	31.7	33.2	28.6	26.7	28.4	35	24	97	98	70	64	75	83	81.2	....
27..	58.59	59.25	59.80	58.27	58.58	59.90	59.06	25.3	25.2	29.4	26.2	27	25.2	26.4	34.2	23.5	93	93	73	90	89	95	88.8	5.3
28..	58.46	59.16	59.69	57.87	58.63	59.89	58.95	24.5	24.2	31.2	31	27.5	24.5	27.2	33.4	23.5	94	98	69	67	83	93	84	5.3
29..	58.83	59.29	59.66	57.60	58.54	59.68	58.93	24.7	24.5	29.6	28.7	26.5	26.4	26.7	33.2	23.6	95	96	75	80	84	87	86.2	....
30..	58.90	59.49	59.60	56.81	57.82	59.32	58.66	25.4	24.5	29.5	34.3	26.1	25.3	27.5	35	23.5	93	96	72	60	93	91	84.2	28.2
Mean	58.02	58.56	58.96	57.19	57.82	59.13	58.28	24.9	24.7	28.9	29.4	26.7	25.6	26.7	32	23.5	92.6	93.1	76.7	75	85.4	90.4	85.6	....
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	137

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	S	SE	SE	SE	SE	22.5	41.6	72.2	55.7	192	1	Ci.	S.-Cu.	4	Ci.-S.	Cu.
..	Calm	Calm	SE	SE	SSE	Calm	9.1	33.8	57.7	19.1	119.7	3	Ci.	S.-Cu.	5	Ci.-S.	Cu.-N.
3..	Calm	Calm	E	S	S	Calm	3.8	26.4	60.9	19.3	110.4	1	Ci.	Cu. ESE	2	Ci.	Cu.
4..	Calm	NW	NW	NW	Calm	Calm	15.5	32	38.3	10.8	96.6	0	Ci.	Cu.	4	Ci.-S.	Cu.-N. SW
5..	Calm	Calm	NW	E	Calm	Calm	30	42.4	26.4	11.3	110.1	6	Ci.-S.	S.-Cu.	8	....	N. NNW
6..	Calm	Calm	Calm	NW	Calm	Calm	16.3	26.6	50.5	15.5	108.9	8	....	Cu.-N. NW	9	....	Cu.-N. NNW
7..	Calm	Calm	WNW	NW	NW	Calm	8.2	9.9	58.1	20.9	97.1	10	....	N.	10	....	Cu.-N. NNW
8..	WNW	W	Calm	NW	WNW	Calm	32.5	21.7	54.5	15	123.7	10	....	Cu.-N. WNW	9	Ci.-S.	Cu.-N.
9..	Calm	Calm	Calm	WNW	Calm	Calm	.8	5.9	43.5	8.2	58.4	10	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	Cu.-N.
10..	Calm	NW	Calm	NW	NW	NW	34	21.5	57.1	93.5	206.1	10	....	N.	10	Ci.-S.	N. WNW
11..	NW	NW	WNW	WNW	WNW	WNW	87.5	71.6	69.2	56.3	284.6	10	....	Cu.-N. WNW	10	....	Cu.-N. NW
12..	WNW	WNW	W	WNW	Calm	W	58.1	46.4	57.3	19.8	181.6	10	Ci.-S.	S.-Cu. W	10	....	Cu.-N.
13..	Calm	SW	Calm	SW	Calm	Calm	12.9	14	45.6	6.6	79.1	10	Ci.-S.	Cu.-N. WSW	8	Ci.-S.	Cu.-N. WSW
14..	Calm	Calm	Calm	Calm	Calm	Calm	12.3	13.4	22.8	4.8	53.3	8	Ci.-S.	S.-Cu. W	7	Ci.-S.	Cu.-N. SW
15..	Calm	W	Calm	SW	W	Calm	15.6	15.6	31.7	14.5	77.4	3	Ci.-S.	S.-Cu.	7	....	Cu.-N. W
16..	Calm	Calm	Calm	W	Calm	Calm	6.4	15.3	18	19.6	59.3	3	Ci.-S.	S.-Cu.	9	....	N. SSW
17..	Calm	Calm	Calm	NNW	Calm	Calm	3	18.7	52.1	19.1	92.9	10	....	N.	7	Ci.-S.	Cu.-N. W
18..	W	Calm	Calm	Calm	Calm	Calm	14.3	3.8	7.7	14.5	40.3	10	....	N.	4	Ci.-S.	Cu. WNW
19..	NW	Calm	Calm	Calm	Calm	NW	11.1	11.3	16.6	35.1	74.1	0	Ci.	S.-Cu.	7	....	Cu.-N. W
20..	Calm	Calm	Calm	ESE	SE	Calm	10	14.3	58.1	17.9	100.3	0	Ci.	S.-Cu.	2	Ci.	Cu.
21..	SSE	Calm	Calm	F	Calm	Calm	36.8	10.3	30.4	4.3	81.8	2	Ci.-S.	S.-Cu.	7	Ci.-Cu.	Cu.-N. SSE
22..	Calm	Calm	Calm	SSE	Calm	Calm	4.6	8	51.2	20.6	84.4	1	Ci.	S.-Cu.	4	Ci.	Cu. E
23..	W	NW	W	SE	F	Calm	35.7	26.2	34.4	15.1	111.4	0	Ci.	Cu.	2	Ci.	Cu.
24..	WNW	NW	W	Calm	Calm	Calm	37.5	32	25.7	6.7	101.9	0	Ci.	S.-Cu.	7	....	Cu.-N. ENE
25..	Calm	Calm	Calm	Calm	Calm	Calm	15.6	17.2	15	8.9	56.7	7	Ci.-S.	S.-Cu. ENE	9	Ci.-S.	Cu.-N. E
26..	Calm	Calm	Calm	SSE	Calm	W	6.2	7.5	29.2	28.4	71.3	0	Ci.	S.-Cu.	2	Ci.	Cu. ENE
27..	WNW	W	W	Calm	Calm	Calm	33.8	37.5	13.5	12.9	97.7	2	Ci.	S.-Cu.	8	....	Cu.-N. E
28..	SSW	Calm	Calm	E	Calm	Calm	31.2	21.1	24.1	16.9	93.3	0	Ci.	Cu.	6	Ci.-S.	Cu.-N. ENE
29..	Calm	Calm	Calm	Calm	Calm	NW	13.5	19.6	23.1	23.1	79.3	0	Ci.	S.-Cu.	6	Ci.-S.	Cu.-N. E
30..	Calm	Calm	W	Calm	Calm	Calm	13.2	28.7	19.6	21.5	83	0	Ci.	S.-Cu.	4	Ci.-S.	Cu.-N. E
Mean	......	......	......	......	......	......	21.1	23.1	38.8	21.2	104.2	4.5	....	....	6.6	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	3,126.7	....	....	....	....	....	....

TACLOBAN

[ϕ=11° 15′ N; λ=125° 00′ E; barometer above sea, 3.33 meters; gravity correction not applied, −1.82 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.94	58.58	59.07	56.62	57.57	58.84	58.10	24.6	24	29.4	32.5	28.4	26.8	27.6	33.3	22.5	95	96	75	58	77	86	81.2	......
2..	57.60	57.91	58.25	56.09	56.50	58.03	57.40	25.1	25.1	29	31.2	28.2	26.6	27.5	32.1	24.2	93	92	78	63	72	87	80.8	1.5
3..	57.17	57.98	58.57	56.34	56.83	58.29	57.53	25.5	25.4	28.6	32	28.5	26.6	27.8	32.8	23.5	94	93	83	58	77	81	81	4.6
4..	57.05	58.41	58.73	56.70	57.42	58.97	57.88	24	25	30.2	32.2	29	26.7	27.8	33.2	23.3	95	93	77	60	68	88	80.2	......
5..	57.55	58.58	58.91	56.47	57.72	58.92	58.02	24.6	25	31.7	30.4	27.6	25.4	27.4	33.4	23.2	95	96	68	72	84	95	85	13.5
6..	57.72	58.28	59.07	56.70	58.12	58.98	58.14	24.4	25	29	30.7	25.5	25.4	26.7	32.2	23.5	93	96	79	67	91	93	86.5	......
7..	58.24	58.64	59.50	57.55	58.09	59.44	58.58	24.5	24.4	29	26.2	24.7	24.2	25.5	32.1	22.8	96	95	85	92	92	95	92.5	19.8
8..	57.45	57.81	58.66	56.50	57.05	58.94	57.74	24	24.3	28	30	27.6	24.7	26.4	32	22.8	95	97	82	76	84	94	88	4.8
9..	57.64	57.84	58.72	57.05	57.41	59.07	57.96	23.9	23.6	29.7	28.7	26.6	26.2	26.4	31	22.9	94	95	75	81	89	94	88	2.5
10..	57.89	58.49	59.50	57.23	58.08	59.32	58.42	25.3	24.9	29.7	31.9	28	26.7	27.8	32.8	23.5	96	97	72	64	88	88	84.2	......
11..	58.03	59.28	60.12	58.19	58.98	60.48	59.18	26	25.8	29.5	26.3	24.9	24.5	26.2	31.7	23.5	95	95	78	90	94	96	91.3	9.9
12..	59.61	60.37	60.87	58.80	59.07	60.37	59.85	24.9	24.3	29.6	31	26	25.5	26.9	31.6	23.3	94	97	77	69	85	93	85.8	......
13..	59.03	59.38	59.72	57.84	57.93	58.06	58.66	26.3	26.5	28.5	25.8	25.4	25	26.2	29	23.7	88	88	78	91	93	93	88.5	41.9
14..	54.91	54.40	54.24	53.73	55.52	57	54.97	24.4	25.5	27.4	26.5	26.4	25.1	25.9	27.5	23.5	95	93	87	86	86	91	89.7	......
15..	56.65	57.01	57.35	55.84	56.89	58.48	57.04	24	23.6	30.9	31.4	26.7	25.5	27	32.6	23	95	95	71	66	84	93	84	......
16..	57.89	58.35	58.82	56.82	57.82	59.29	58.16	24.5	24.2	31.5	32.3	29.2	25	27.8	34	23.4	96	97	72	66	72	95	83	3.3
17..	57.90	58.94	59.25	57.08	57.85	58.97	58.33	24.7	24.5	30.6	33	29.4	25.7	28	33.8	23.5	96	96	77	65	72	92	83	......
18..	57.76	58.33	58.88	56.47	57.25	58.52	57.87	24.5	24	30.7	31.6	28.5	25.8	27.5	32.2	23	96	96	65	63	81	92	82.2	......
19..	57.64	58.20	58.42	55.99	56.96	58.44	57.61	25	25.6	28.7	32.2	28	26	27.6	32.5	23.9	93	95	89	63	82	92	85.7	7.9
20..	57.77	58.49	59	57.82	58.60	59.67	58.56	24.6	24.8	29.5	25.5	25	24.7	25.7	32	24	95	95	76	91	96	96	91.5	5.1
21..	59.03	59.71	60.43	58.32	59.07	60.55	59.52	24.5	23	27.3	30.6	27.5	25.6	26.4	32.5	22.5	96	97	78	69	78	88	84.3	......
22..	59.26	59.81	60.32	58.26	59.01	60.28	59.49	24.7	24.5	28.2	32.5	27.7	26.2	27.3	33.7	23.5	93	94	76	63	83	90	83.2	......
23..	59.17	59.79	60.48	58.29	59.36	60.62	59.62	24.7	24.5	28.7	31.7	26	24.7	26.7	33.8	23.6	95	94	74	70	92	96	86.8	......
24..	59.33	59.79	60.41	58.60	59.26	60.41	59.63	24.4	24	30.9	30.8	27	26	27.2	33.6	23	95	97	72	69	84	89	84.3	......
25..	59.07	60.04	60.60	58.31	59.15	60.87	59.67	24.6	24.7	31	31.9	27.6	24.4	27.4	33	23	95	96	72	65	83	95	84.3	......
26..	60.04	60.66	60.72	58.82	59.88	60.29	60.07	24.3	24.5	31.7	29.7	25.1	24.5	26.6	34.6	23.1	97	96	72	77	94	96	88.7	9.7
27..	60.08	60.61	61.17	58.90	59.38	60.70	60.14	24	24.2	29.1	29.2	27.1	26	26.6	34	22.5	97	97	83	78	88	92	89.2	......
28..	59.72	59.96	60.63	58.42	59.17	60.19	59.68	25.4	25	28.7	30.1	25.5	25.5	26.7	31.5	23.6	95	95	82	75	88	89	87.3	......
29..	59.67	59.81	59.72	58.09	58.59	59.71	59.26	25.1	25	31.8	27.7	25.5	25.4	26.8	33.3	24.3	96	96	67	88	96	93	89.3	16
30..	59.15	59.44	60.27	58.15	58.75	59.52	59.21	25	25	29.2	25.7	25.7	25.1	26	29.5	24	95	96	81	92	93	96	92.2	18.6
31..	58.71	59.29	60.12	58.22	59.06	60.16	59.26	24.9	24.8	27.2	30.1	26.7	25	26.4	31.4	24	96	97	87	76	88	95	89.8	......
Mean	58.28	58.84	59.37	57.36	58.14	59.40	58.57	24.7	24.7	29.5	30	26.9	25.5	26.9	32.3	23.4	94.8	95.2	77	73	85	92	86.2	......
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	159.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	W	Calm	W	W	W	NW	16.9	21.1	61.2	47.3	146.5	0	Ci.	Cu.	2	Ci.	Cu.
2..	NW	Calm	WNW	WNW	W	W	25.2	31.9	64.6	34.4	156.1	4	Ci.	S.-Cu.	4	Ci.-S.	Cu.-N. W
3..	Calm	W	WNW	WNW	NW	Calm	12.9	33.2	49.6	24.1	119.8	2	Ci.	S.-Cu.	4	Ci.-S.	Cu. W
4..	Calm	Calm	W	WNW	W	Calm	10.8	37.3	74.8	18	140.9	1	Ci.-S.	Cu.	2	Ci.	Cu.
5..	Calm	Calm	E	S	E	Calm	4.2	15.8	31.1	4.6	55.7	3	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.-N. W
6..	Calm	Calm	WNW	W	Calm	W	4.5	31.6	42.4	8.2	86.7	2	Ci.	S.-Cu.	6	Ci.-S.	Cu.-N. WNW
7..	Calm	Calm	Calm	S	Calm	Calm	1.9	16.7	32	10.3	60.9	3	Ci.-S.	S.-Cu.	10	......	N.
8..	Calm	Calm	SE	Calm	Calm	S	5	26.6	24.7	21.1	77.4	2	Ci.	S.-Cu.	7	......	Cu.-N. WSW
9..	S	Calm	SE	SSE	S	SE	12.7	46.9	62.8	33	155.4	4	Ci.-S.	S.-Cu. SSW	7	Ci.-S.	Cu.-N. SW
10..	Calm	Calm	Calm	S	Calm	Calm	1	11.9	29.8	3.5	46.2	8	Ci.-S.	S.-Cu. W	3	......	Cu. W
11..	Calm	Calm	Calm	Calm	Calm	Calm	10.8	19.5	11.1	17.9	59.3	9	......	Cu.-N. WNW	10	Ci.-S.	N.
12..	WNW	NW	NW	NW	NW	NW	30.4	50.1	73.8	40.5	194.8	0	Ci.	S.-Cu.	3	Ci.	Cu. W
13..	NW	NW	NW	NNW	NNW	NW	64.6	78.6	67.6	93.3	304.1	10	......	Cu.-N. W	10	......	N. NE
14..	NW	NW	E	E	ESE	ESE	83.4	96.1	150.5	69.4	389.4	10	......	Cu.-N. NE	10	......	Cu.-N. ESE
15..	SE	Calm	ESE	SE	Calm	Calm	29.6	24.6	37.2	10.7	102.1	1	Ci.	S.-Cu.	3	Ci.	Cu.
16..	Calm	Calm	Calm	Calm	Calm	Calm	2.4	13.7	23.3	12.9	62.3	2	A.-Cu. WSW	S.-Cu.	4	Ci.-S.	Cu.-N. W
17..	Calm	Calm	Calm	Calm	Calm	Calm	6.4	11.6	32.7	14.3	65	0	......	Cu.	3	......	Cu. W
18..	Calm	Calm	NW	WNW	NW	Calm	10.7	34.8	80.3	20.1	145.9	0	Ci.	Cu.	2	Ci.	Cu.
19..	Calm	Calm	Calm	NNW	WNW	NW	10	30.3	62.2	52	154.5	4	Ci.-S.	S.-Cu.	3	Ci.	Cu. WNW
20..	Calm	WNW	NW	WNW	Calm	Calm	26	26.8	22.8	13.9	89.5	3	Ci.-S.	S.-Cu.	10	......	N. NNW
21..	Calm	Calm	NW	ENE	NW	NW	4.2	20.6	38.9	35.6	99.3	3	Ci.-S.	S.-Cu.	7	......	Cu.-N. N
22..	Calm	NW	Calm	SE	Calm	Calm	26.4	34.1	38.1	17.2	115.8	3	Ci.-S.	S.-Cu.	1	Ci.	Cu.
23..	Calm	W	W	SE	Calm	Calm	24.6	33.8	33	12.9	104.3	0	......	S.-Cu.	4	......	Cu. WSW
24..	Calm	Calm	SSE	E	Calm	Calm	4.6	30.8	36.8	14.8	87	3	Ci.-S.	S.-Cu.	6	......	Cu. ESE
25..	Calm	Calm	S	S	Calm	SSE	7.4	32.4	60	22.5	122.3	2	......	S.-Cu.	3	Ci.-S.	Cu.
26..	Calm	Calm	Calm	Calm	Calm	Calm	6.1	11.3	30.9	5.4	53.7	4	A.-Cu. E	S.-Cu.	4	Ci.-S.	Cu.-N. WSW
27..	Calm	Calm	Calm	E	Calm	Calm	2.6	1.6	20.6	19.6	44.4	4	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu.
28..	Calm	Calm	Calm	Calm	Calm	Calm	11.5	20.4	32.4	9.5	73.8	6	Ci.-S.	S.-Cu. E	5	Ci.-S.	Cu.-N. ENE
29..	Calm	Calm	Calm	SW	SW	Calm	14.8	6.2	26	12.3	59.3	5	Ci.-S.	S.-Cu.	7	......	Cu.-N. E
30..	Calm	Calm	Calm	Calm	NW	Calm	3	8.7	19.1	19.6	50.4	7	Ci.-S.	Cu.-N. E	9	......	Cu.-N. E
31..	SW	Calm	Calm	Calm	Calm	Calm	19	4	16.7	5.3	45	7	Ci.-S.	N.	6	Ci.-S.	Cu.-N.
Mean	......	......	......	......	......	......	15.9	27.8	44.7	23.4	111.9	3.6	......	......	5.3	......	......
Total	......	......	......	......	......	......	......	......	......	......	3,467.8	......	......	......	......	......	......

TACLOBAN

[ϕ=11° 15′ N; λ=125° 00′ E; barometer above sea, 3.33 meters; gravity correction not applied, —1.82 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.03	59.91	60.32	58.67	59.52	60.24	59.62	25	24	30.5	27.2	26	25.3	26.3	32.6	23.4	97	97	76	90	92	95	91.2	......
2..	59.15	59.77	60.35	58.26	59.14	60.17	59.47	25	24.7	30	32.7	27	26.6	27.7	34.5	24	96	97	75	62	84	85	83.2	......
3..	59	59.43	59.63	58.17	58.52	59.90	59.11	25.6	25.5	31.1	29.2	27.2	25.7	27.4	34	24.3	93	96	74	79	86	94	87	15.7
4..	59	59.33	59.80	58.12	58.64	59.72	59.10	25.1	25.2	29.8	27.6	26.4	26	26.7	33.3	24.3	96	97	87	89	92	94	92.5	15
5..	58.64	59.20	59.70	57.47	58.17	59.18	58.73	25.5	25	29	31.6	26.9	25.5	27.2	32.6	24	94	96	81	72	86	94	87.2	5.9
6..	58.14	58.59	59.31	57.60	58.48	59.51	58.60	25	24.7	29.5	26.5	25.7	25.2	26.1	31.9	24	97	97	77	92	90	93	91	17
7..	58.58	59.62	60.52	58.22	58.94	60.19	59.34	24.9	23.8	25.6	30.3	26.2	24.3	25.8	31.8	23	94	97	90	72	87	96	89.3	22.7
8..	58.81	59.11	59.91	57.48	58.22	59.33	58.81	23	23.7	27.2	30.5	26.2	25	25.9	32	22.5	97	98	83	74	90	93	89.2	5.1
9..	57.95	58.45	59.20	57.28	57.98	58.94	58.30	24.7	24.2	28.7	25.5	25.5	24.2	25.5	31.4	23.5	94	97	83	92	93	97	92.7	3.6
10..	57.73	58.31	58.59	57.01	57.24	57.65	57.76	24	23.5	28.7	25.2	26.2	24.6	25.4	30.8	22.5	97	96	80	92	92	95	92	9.7
11..	57.09	57.53	57.83	55.97	56.53	57.95	57.15	24.4	24.7	28.3	28	26.7	24.5	26.1	29.6	23.5	94	91	77	82	88	92	87.3	.8
12..	57.41	58.08	58.36	56.61	57.42	58.57	57.74	24.7	24.5	28.5	30.5	27.6	25.6	26.9	31	23.5	93	96	85	67	83	92	86	......
13..	57.46	57.98	58.97	56.82	57.39	58.57	57.86	24.1	24	27	29	26.9	26.4	26.2	29.2	23.3	96	95	87	74	85	87	87.3	......
14..	57.59	57.82	58.43	56.77	56.96	57.90	57.58	26.1	26	27.7	28	26.9	26.4	26.8	28.2	24.9	85	84	78	75	79	79	80	......
15..	57.07	56.99	57.87	55.72	56.08	56.40	56.69	24.7	25.2	26.2	27.2	25.7	25	25.7	27.5	23.8	91	88	92	77	84	81	85.5	7.1
16..	55.59	56.71	57.26	55.04	56.44	57.05	56.35	24	24.2	25.7	26.7	23.2	23	24.5	26.8	22.5	86	86	89	85	96	98	90	100.1
17..	56.22	56.54	58.15	56.90	57.53	58.46	57.30	23.6	23.7	25.7	24.8	24.5	23.1	24.2	26	22.4	98	99	94	98	97	97	97.2	9.1
18..	57.77	58.84	59.43	57.65	58.74	59.63	58.68	22.4	22.6	29.5	31	26.7	25.3	26.2	31.7	22	98	98	84	79	91	95	90.8	5.6
19..	58.83	59.24	60.12	58	58.83	60.25	59.21	24.9	24.6	29.2	30.6	27.1	25.6	27	31.3	23.5	96	98	83	69	87	95	88	......
20..	58.51	59.41	59.45	57.12	58.19	59.36	58.67	24.2	24	29.8	31.6	26.9	25	26.9	32.2	23.4	97	98	79	68	81	95	86.3	2.5
21..	58.24	58.73	58.84	56.87	57.22	58.92	58.14	24.1	24	26.9	29.6	27.1	26	26.3	31	23.3	98	97	86	72	83	88	87.3	......
22..	57.79	58.31	59.37	57.40	58.19	59.46	58.42	25.1	25	26.2	29	25.4	24.8	25.9	29.4	23.7	91	88	89	72	89	93	87	1.8
23..	59.35	59.81	60.95	58.93	59.50	60.58	59.85	24.5	24.7	26.6	29	26.3	24.7	26	30	23.5	94	93	80	69	82	88	84.3	......
24..	59.53	60.06	60.60	59.10	59.62	60.71	59.94	24	24	27.8	26.5	24.5	23	25	29	22.4	91	88	69	82	76	88	82.3	2.5
25..	59.77	60.08	60.75	58.52	59.38	60.03	59.76	22.4	22.3	27.6	29.9	25.5	24.6	25.4	30.3	21.7	96	95	73	67	84	90	84.2	6.4
26..	59.11	59.43	60.36	58.25	58.35	58.47	59	24.2	24.5	25	24.6	23.9	23.4	24.3	25.3	22.9	91	91	90	97	96	97	93.7	71.8
27..	57.32	58.16	58.83	57.83	58.50	59.74	58.40	23.5	23.8	27.9	28.6	26.2	25.2	25.9	29	22.7	97	98	87	78	84	90	89	......
28..	59.31	59.98	60.52	58.90	59.80	61.14	59.94	24.1	23.8	28.6	30.3	25.2	24.7	26.1	31	23	97	97	83	72	95	97	90.2	3.3
29..	59.98	60.39	60.98	59.03	59.31	59.62	59.88	24.4	24.6	26.4	26.6	24.5	24.4	25.2	27.1	23.7	97	97	90	90	96	97	94.5	35
30..	59.11	59.69	60	58.49	59.22	60.02	59.42	24.5	24.7	27.3	28.6	26.6	25	26.1	29.7	23.5	97	96	87	89	92	95	92.7	4.8
Mean	58.30	58.85	59.48	57.61	58.27	59.26	58.63	24.4	24.3	27.9	28.5	26	24.9	26	30.3	23.3	94.6	94.7	82.9	79.2	88	92.3	88.6	......
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	345.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	Calm	E	Calm	Calm	1.8	17.1	28.4	14	61.3	4	Ci.-S.	Cu.	8	Ci.-S.	Cu.-N. ESE
2..	Calm	Calm	Calm	Calm	Calm	NW	7.7	13.1	23.1	25.1	69	3	Ci.-S.	S.-Cu.	4	Ci.	Cu.
3..	Calm	Calm	ESE	ESE	Calm	NW	20.1	21.7	33.5	26.2	101.5	10	....	N. E	7	Ci.-S.	Cu.-N. E
4..	ESE	Calm	Calm	ESE	Calm	Calm	17.2	18.3	22	12.7	70.2	4	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.-N. E
5..	E	Calm	Calm	ESE	ESE	Calm	17.7	23.5	39.4	16.3	96.9	1	Ci.	S.-Cu.	3	Ci.	Cu.
6..	Calm	W	Calm	Calm	Calm	Calm	24.1	36	18.7	11.5	90.3	1	Ci.	Cu.	10	....	N.
7..	SSE	Calm	Calm	Calm	E	Calm	23.6	12.9	20.9	11.6	69	10	....	N.	6	Ci.-S.	Cu.-N. ENE
8..	Calm	Calm	WNW	Calm	Calm	Calm	14.2	20.3	24.6	8	67.1	10	Ci.-S.	Cu.-N.	5	Ci.-S.	Cu. ENE
9..	W	Calm	ESE	Calm	Calm	Calm	8.2	21.2	19.8	5.4	54.6	9	Ci.-S.	N.	8	....	Cu.-N. ESE
10..	Calm	Calm	Calm	SW	Calm	Calm	14.5	7.5	28.5	11.1	61.6	6	A.-Cu.SW	S.-Cu.	7	....	Cu.-N. W
11..	NW	WNW	NW	WSW	WSW	W	41.6	75.3	48.8	31.9	197.6	9	Ci.-S.	S.-Cu. W	6	Ci.-S.	Cu.-N. WNW
12..	Calm	Calm	NW	NW	NW	Calm	11.6	31.7	58.1	16.9	118.3	6	Ci.-S.	S.-Cu. W	4	Ci.-S.	Cu.-N. WNW
13..	Calm	Calm	Calm	WNW	W	WSW	10.5	21.9	56.5	58.7	147.6	8	Ci.-S.	Cu.-N. W	8	Ci.-S.	Cu.-N. W
14..	WSW	WSW	W	WNW	NW	NW	70	63.6	82.1	64.1	279.8	10	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu.-N. WSW
15..	SW	SW	Calm	SW	W	SW	45.6	24.4	49.4	67.1	186.5	10	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu.-N. W
16..	Calm	WSW	Calm	WSW	WSW	SSW	43.7	42.8	58.5	55.7	200.7	10	....	Cu.-N. W	7	Ci.-S.	Cu.-N. W
17..	Calm	S	S	Calm	Calm	Calm	37.5	57.4	27.9	5	127.8	10	....	N. W	10	Ci.-S.	N. WSW
18..	Calm	Calm	ESE	SSE	Calm	Calm	1.9	20.7	64.2	11.8	98.6	4	Ci.-Cu.	S.-Cu. S	2	Ci.	Cu.
19..	Calm	Calm	ESE	SE	Calm	W	14.2	20.6	42.3	17.4	94.5	6	....	Cu.-N. S	3	....	Cu.
20..	E	W	Calm	ESE	W	Calm	27.9	19	41.8	31.4	120.1	0	....	S.-Cu.	1	Ci.	Cu.
21..	NW	Calm	Calm	NW	WNW	NW	21.5	20.3	49.3	28.7	119.8	1	Ci.-S.	S.-Cu.	4	Ci.	Cu.-N. W
22..	Calm	W	NW	NNW	W	NNW	31.6	85.9	81.8	51.7	251	1	Ci.	S.-Cu.	6	Ci.-S.	Cu.-N. WNW
23..	NNW	NW	NNW	NNW	W	NNW	37.3	48.1	51.5	37	173.9	7	Ci.-S.	Cu.-N. WNW	8	Ci.-S.	Cu.-N. NW
24..	Calm	W	WNW	NNW	NNW	W	12.9	46.7	58.1	29.2	146.9	4	A.-Cu.WNW	S.-Cu.	8	....	Cu.-N. W
25..	Calm	Calm	NNW	W	W	WNW	34.9	39.1	34.1	51	159.1	4	Ci.-S.	S.-Cu.	3	Ci.	Cu.
26..	WNW	W	Calm	WNW	W	NW	44.3	31.7	45.1	49.7	170.8	10	Ci.-S.	Cu.-N. WNW	10	....	N.
27..	Calm	Calm	SE	ESE	SSE	Calm	26.8	46.7	74.3	27.7	175.5	10	....	Cu.-N. ESE	5	Ci.-S.	Cu. SSE
28..	Calm	W	Calm	SSE	Calm	NW	21.1	29.5	47.8	26.2	124.6	6	Ci.-S.	S.-Cu.	3	Ci.	Cu.
29..	SSW	W	Calm	E	Calm	Calm	40.7	24.7	24.6	21.7	111.7	7	Ci.-S.	S.-Cu. ENE	10	....	N.
30..	Calm	W	Calm	SE	Calm	W	25.5	20.7	40.8	23.1	110.1	7	Ci.-S.	Cu.-N. E	5	Ci.-S.	Cu.-N. E
Mean	......	......	......	......	......	......	25	32.1	43.2	28.3	128.5	6.3	....	....	6.3	....	....
Total	......	......	......	......	......	......	......	......	......	......	3,856.4	....	....	....	....	....	....

TACLOBAN

[ϕ=11° 15′ N; λ=125° 00′ E; barometer above sea, 3.33 meters; gravity correction not applied, −1.82 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.31	59.71	60.16	58.02	59.30	59.74	59.37	24.6	24.9	27.3	28.6	25.5	24.1	25.8	29.2	23.5	95	96	86	86	94	96	92.2	5.6
2..	58.93	59.54	59.92	59.05	59	59.82	59.38	24	24.2	27.6	24.7	24.5	24.1	24.8	29	22.9	97	98	84	91	91	92	92.2	17.2
3..	58.21	58.39	58.89	56.60	56.74	57.31	57.69	23.7	24.1	24.4	24.9	24.4	23.9	24.2	26	22.8	97	95	94	96	97	96	95.8	53.7
4..	55.19	56.21	57.45	56.05	56.33	57.85	56.51	24.7	25.2	25.1	25.7	25.9	25	25.3	27	23.5	94	97	96	93	94	97	95.2	5.1
5..	57.19	57.93	58.68	56.98	57.88	59.04	57.95	24.6	24.5	26.7	28.2	26	24.5	25.8	30.4	23.9	95	97	94	83	94	97	93.3	2
6..	58.15	58.81	59.47	58.02	58.47	59.35	58.71	23.5	23.7	28.5	29.2	27.2	25.1	26.2	32	23	97	98	85	79	87	94	90	10.4
7..	58.98	59.53	59.92	58.36	58.72	60.17	59.28	24.4	24.2	29.8	27.7	26.1	24.7	26.2	31.7	23.5	98	98	83	88	89	94	91.7	......
8..	59.10	59.64	60.22	58.42	58.68	60.02	59.35	23.5	23.6	28.2	29.2	26.5	25.3	26	32	22.5	97	97	85	78	90	96	90.5	......
9..	58.80	59.18	60.11	58.47	59.03	60.38	59.33	24.7	24.5	27.6	29.7	25.8	24.4	26.1	30.8	23.5	96	96	80	72	85	94	87.2	......
10..	59.74	60.47	60.92	59.01	59.73	60.74	60.10	23	22.2	29	28.7	25.4	23.8	25.4	31.1	21.5	97	98	74	83	92	95	89.8	6.3
11..	59.81	60.29	60.93	58.79	59.53	60.07	59.90	23.9	23.7	27.2	32	26.5	25.3	26.4	32.2	22.5	93	94	80	64	80	91	83.7	......
12..	59.46	59.99	60.83	58.83	59.12	59.78	59.67	24.2	24	25.3	26	25.7	24	24.9	27.1	23.2	95	95	93	92	92	97	94	1.8
13..	59.21	59.56	59.82	57.47	58.30	58.93	58.88	23.5	23.2	28	30.4	25.8	24.4	25.9	31	22.5	97	98	77	70	87	95	87.3	......
14..	58.16	58.84	59.26	57.31	57.70	58.97	58.37	23.5	23.2	28.7	30.3	25.5	23	25.7	31	22.2	97	98	78	63	84	95	85.8	......
15..	57.70	59.01	59.62	57.75	57.79	59.93	58.63	23.2	23.1	27.3	31	26.5	24	25.8	31.5	22	98	97	76	67	86	93	86.2	......
16..	59.05	59.58	60.55	58.73	59.53	60.36	59.63	23.6	23.5	27.4	27.5	24.3	24.2	25.1	29.4	22.9	98	97	81	82	96	96	91.7	7.8
17..	59.62	59.97	61.07	59.21	58.81	61.08	59.96	23.7	23.5	27.9	30	26.5	25.2	26.1	31.4	22.9	96	99	80	71	88	90	87.3	......
18..	60.12	60.56	61.36	59.44	59.60	61.28	60.39	23.8	24	28.5	29.5	25.7	24.7	26	30	23	97	95	79	75	94	94	89	29.6
19..	60.41	60.91	61.82	60.42	61.47	62.42	61.24	24.6	24	25.9	27	24.8	24	25	27.1	23	97	97	90	89	95	97	94.2	54.9
20..	61.34	61.97	62.14	60.63	61.32	62.11	61.58	23.4	23.2	26	28.5	25.9	25	25.3	29.5	22.2	97	97	89	80	86	92	90.2	3.6
21..	61.37	61.91	62.65	60.31	60.96	62.26	61.58	24.3	24	26.7	27	26.1	25.7	25.6	28	23	94	93	90	84	85	86	88.7	13.2
22..	61.26	61.94	62.26	61.04	61.69	61.95	61.69	25	23.1	25.6	24	22.5	23.4	23.9	27	21.6	93	97	92	97	96	97	95.3	39.4
23..	60.79	61.20	61.78	59.35	59.96	61.27	60.72	23	23.4	28.7	29.2	26.9	26	26.2	31	21.7	96	97	83	76	81	92	87.5	2
24..	59.40	59.87	60.52	58.64	58.75	59.92	59.52	25.2	24.8	27.3	27.5	25.7	25.6	26	29.4	23.5	92	93	84	88	91	90	89.7	......
25..	58.29	59.38	59.97	57.99	59.25	60.13	59.17	24.9	24	28.2	30.5	26.4	26	26.7	31.5	23	92	96	80	76	90	92	87.7	.8
26..	59.35	59.96	60.31	58.74	59.36	59.78	59.58	25	24.7	28	25	24.5	24.4	25.3	28.5	23.8	95	96	85	95	96	95	93.7	3.8
27..	59.14	59.64	60.30	58.65	59.54	60.47	59.62	24.5	24	27.5	31.2	26.7	25.6	26.6	32	22.5	96	98	84	73	85	93	88.2	......
28..	59.43	60.08	60.48	58.66	59.71	60.46	59.80	25.5	24.2	28.4	30.5	27.2	25.5	26.9	32.5	23.5	95	98	84	76	81	92	87.7	......
29..	59.61	60.24	60.98	58.66	59.84	60.59	59.99	25.2	24.7	26	27.7	25	24.7	25.6	28	23.9	93	94	92	84	93	94	91.7	13.2
30..	59.79	60.46	61.76	59.93	60.84	61.70	60.75	24.5	24	24	24	23.7	23.6	24	25.2	22	96	97	96	94	94	95	95.3	122.5
31..	60.94	61.44	62.46	59.92	61.11	61.44	61.22	22.8	22.7	23.6	25	23.6	23.7	23.6	26.4	21.7	94	94	95	93	97	97	95	37.5
Mean	59.29	59.88	60.54	58.69	59.29	60.30	59.66	24.1	23.9	27.1	28.1	25.6	24.6	25.6	29.6	22.8	95.6	96.5	85.5	81.9	90	94	90.6	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	430.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	W	WNW	NW	Calm	Calm	Calm	40	41	22.7	16.1	119.8	3	Ci.-S.	S.-Cu.	7	....	Cu.-N. ENE
2..	W	WNW	WNW	Calm	NW	Calm	40.2	39.9	29.5	30.6	140.2	4	Ci.	S.-Cu. E	10	....	N.
3..	W	NW	Calm	Calm	Calm	ENE	34	38	27.4	35.7	135.1	10	....	N.	10	Ci.-S.	N. E
4..	ESE	ESE	ESE	Calm	ESE	Calm	95.2	47.3	21.5	36.7	200.7	9	Ci.-S.	Cu.-N. E	10	....	Cu.-N. SE
5..	Calm	Calm	Calm	ESE	Calm	Calm	8.2	9.1	33.2	3	53.5	10	....	Cu.-N. ESE	7	Ci.-S.	Cu.-N.
6..	Calm	Calm	SE	Calm	Calm	Calm	2.2	26.8	41	11.3	81.3	3	Ci.-S.	S.-Cu.	7	....	Cu.-N. W
7..	Calm	Calm	Calm	E	Calm	Calm	10.2	18.8	33.3	17.2	79.5	0	Ci.	S.-Cu.	5	Ci.-S.	Cu.-N. SSE
8..	Calm	Calm	Calm	SE	S	Calm	13.2	19.9	26.9	16.3	76.3	2	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu.
9..	W	NW	Calm	ESE	Calm	Calm	35.7	30	28.2	13.7	107.6	5	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.-N. E
10..	Calm	Calm	Calm	S	Calm	Calm	11.3	17.2	27.6	16.3	72.4	2	Ci.	S.-Cu.	5	Ci.-S.	Cu.-N. E
11..	Calm	Calm	Calm	E	Calm	NW	22.5	24.1	41.6	15.5	103.7	5	A.-Cu. E	S.-Cu.	2	Ci.	Cu.
12..	Calm	Calm	Calm	S	Calm	Calm	27.4	27.1	23.3	14.8	92.6	7	Ci.-S.	S.-Cu. E	9	....	N. ESE
13..	W	Calm	NW	Calm	Calm	Calm	24.3	37.6	21.7	19.5	103.1	3	Ci.-S.	S.-Cu.	3	....	Cu.
14..	W	NW	Calm	SE	S	Calm	26	26.8	54.5	16.6	123.9	2	Ci.-S.	S.-Cu.	1	....	Cu.
15..	W	W	Calm	SE	S	Calm	30.6	31.2	57.1	16.1	135	0	Ci.	Cu.	1	Ci.	Cu.
16..	W	NW	Calm	Calm	W	W	27.6	34.3	30	29.2	121.1	3	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.-N. ESE
17..	Calm	WNW	Calm	Calm	Calm	Calm	26.4	28.4	45.1	16.7	116.6	3	Ci.-S.	S.-Cu.	2	Ci.	Cu.
18..	Calm	Calm	Calm	S	Calm	W	23.6	23.3	48.9	13.4	109.2	5	Ci.-S.	S.-Cu.	2	Ci.	Cu.
19..	E	Calm	W	ESE	W	W	22.2	26.2	24.1	47.3	119.8	8	....	Cu.-N. E	10	....	N. E
20..	Calm	SW	Calm	E	Calm	W	15.6	9.5	34.8	23.8	83.7	10	Ci.-S.	Cu.-N. E	8	Ci.-S.	Cu.-N. ESE
21..	Calm	Calm	Calm	NW	Calm	NW	19.1	16.7	30	31.7	97.5	10	....	Cu.-N.	9	Ci.-S.	Cu.-N. E
22..	Calm	S	E	SE	Calm	NW	28.5	22.2	40.2	21.2	112.1	10	....	N.	10	....	N. E
23..	E	W	Calm	S	W	Calm	37.5	22.3	28.2	25.2	113.2	5	Ci.-S.	S.-Cu. E	5	Ci.-S.	Cu. E
24..	Calm	NW	Calm	Calm	Calm	S	29.5	26	27.4	30.1	113	7	Ci.-S.	Cu.-N. E	9	Ci.-S.	N. ESE
25..	W	Calm	WSW	Calm	Calm	NW	31.1	36	29.6	32.2	128.9	4	Ci.-S.	S.-Cu. E	3	Ci.-S.	Cu.
26..	WSW	W	WNW	NW	NW	Calm	37	46.5	63.4	22.2	169.1	4	Ci.-S.	S.-Cu.	10	....	N. E
27..	Calm	Calm	Calm	E	Calm	Calm	15.9	24.1	30.4	17.5	87.9	3	Ci.	Cu.	3	Ci.	Cu.
28..	Calm	Calm	Calm	S	E	Calm	29.5	25.2	51.2	13.4	119.3	1	....	S.-Cu.	1	Ci.	Cu.
29..	S	NW	NW	ESE	Calm	NW	33.6	42.1	37.6	35.1	148.4	6	Ci.-S.	S.-Cu. E	9	....	Cu.-N. ENE
30..	W	WNW	NW	NW	NNW	W	35.6	44.8	56.1	46.9	183.4	10	Ci.-S.	Cu.-N. ENE	10	....	N. E
31..	W	NW	Calm	Calm	Calm	NW	49.9	39.9	26.6	33.5	149.9	10	....	N.	10	....	N.
Mean	......	......	......	......	......	......	28.5	29.1	35.3	23.2	116.1	5.3	....	....	6.3	....	....
Total	......	......	......	......	......	......	......	......	......	......	3,597.8	....	....	....	....	....	....

CAPIZ

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6.7 meters; gravity correction not applied, —1.81 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.28	60.93	62.03	60.10	60.78	61.48	60.93	24.9	24.5	27.5	29.2	26.1	26	26.4	30.7	23.9	91	94	83	77	91	92	88	......
2..	60.52	60.62	62.11	60.11	60.61	61.67	60.94	25.8	25.2	28.2	28.3	26.2	26.1	26.6	30.4	25	92	92	83	82	90	90	88.2	0.5
3..	60.87	61.45	62.52	60.43	60.93	62.02	61.37	25.5	25	28.9	28.7	26.6	26	26.8	31.2	24.8	92	93	76	80	88	86	85.8	......
4..	61.27	61.87	63.18	60.97	61.53	62.41	61.87	25.5	24.7	28.5	29.1	25.4	25.2	26.4	30.6	24.5	89	92	80	77	94	94	87.7	1.3
5..	61.72	62.23	63.52	61.68	62.36	63.67	62.53	24.3	24.2	28.5	29	26.4	25.9	26.4	30.2	23.7	95	90	75	74	74	80	81.3	......
6..	63.24	63.82	64.73	62.86	63.33	64.27	63.71	24.9	24.8	27.2	27.3	25.2	25.4	25.8	29.8	24.6	89	91	80	86	86	84	86	1.5
7..	62.67	62.74	63.69	61.83	61.98	63.44	62.72	25.1	24.5	28.5	24.5	25.9	25.3	25.6	30	24.3	86	90	71	92	84	87	85	2
8..	62.47	62.48	62.94	60.66	61.36	61.90	61.97	24.5	24	27.4	29	25.8	23.5	25.7	30	22.8	87	92	81	71	85	94	85	......
9..	60.47	61.08	61.97	59.91	60.16	60.98	60.76	22.4	21.7	29.1	29.4	25.7	25.5	25.6	30.2	21.5	95	96	71	68	85	90	84.2	......
10..	59.83	60.44	61.46	59	59.51	60.43	60.11	24.2	22	27.2	29.1	26.3	25.5	25.7	30.5	21.8	91	95	75	70	78	89	83	.3
11..	58.89	59.47	60.78	58.73	59.46	60.32	59.61	24.4	24.1	28.1	29.7	26.1	24.2	26.1	30.8	23.7	91	95	79	70	88	94	86.2	......
12..	59.40	59.89	61.06	59.18	59.43	61.03	60	24	22.8	30	29.6	25.8	23.8	26	31.7	22.6	96	97	70	70	85	93	85.2	......
13..	60.02	60.38	61.81	59.92	60.38	61.67	60.70	23	22	29.2	30	25.3	22.7	25.4	31	21.9	95	96	67	63	84	92	82.8	......
14..	61.40	62.21	63.88	61.95	62.09	63.05	62.43	21.8	22.2	27.6	28.8	24.7	22.3	24.6	30	21.5	96	97	66	59	78	89	80.8	......
15..	62.55	62.58	63.74	61.40	61.71	62.77	62.46	21.6	20.9	27.8	30.3	25.2	23.2	24.8	30.5	20.7	92	96	70	60	82	91	81.8	......
16..	61.80	62.19	63.18	61.38	61.86	63.07	62.25	22.5	22.1	27.1	28.6	25.7	26	25.3	30.3	21.9	93	96	75	70	78	79	81.8	......
17..	62.38	62.97	64.09	62.43	63.27	64.45	63.26	25.4	23.6	28.6	29.6	26.1	25.1	26.4	30.5	23.4	83	86	64	67	77	78	75.8	......
18..	63.28	63.95	65.27	63.06	63.42	64.28	63.88	24.1	23.6	29	29	25.7	24.8	26	30.5	23.4	79	81	64	64	81	81	75	......
19..	63.58	63.79	65.05	63.13	63.69	64.91	64.02	23.8	22.4	28.2	29.1	25.3	23.9	25.4	30.4	22.2	85	89	69	63	79	80	77.5	......
20..	63.35	63.30	64.29	61.91	62.02	63.77	63.11	24	23.5	26.7	28.6	25.8	24.7	25.6	29.5	22.2	81	85	79	70	76	78	78.2	2.5
21..	62.80	63.18	64.25	62.22	62.32	63.88	63.11	23.7	24.2	27.3	27	24.9	25	25.4	30.2	23.5	81	82	74	75	86	82	80	.3
22..	62.80	63.10	64.13	61.85	62.23	63.50	62.94	24.4	23.6	28.5	29.6	25.8	24.3	26	30.6	23.3	82	84	68	61	69	74	73	......
23..	62.33	62.27	63.39	61.24	61.28	62.62	62.19	23.7	24.2	26.5	27.1	26	25.6	25.5	28.8	23.5	77	79	73	72	80	80	76.8	......
24..	61.23	61.54	62.77	60.20	60.71	61.69	61.36	24.8	24.8	28.1	30	26.5	24.4	26.4	30.6	24.2	82	85	76	69	82	96	81.7	1.3
25..	60.68	61.17	62.42	60.38	60.54	61.64	61.14	24.5	24.7	28.2	28.2	26.1	25.8	26.2	30.8	24.3	95	94	79	80	89	85	87	......
26..	61.06	61.57	63.19	61.20	61.57	62.72	61.88	24.9	24.4	28.7	29.2	25.9	24.3	26.2	30.4	22.9	87	89	71	67	71	68	75.5	......
27..	61.48	61.79	63.09	60.85	61.33	62.78	61.89	23	20.8	28.2	29	25.7	25.6	25.4	30.4	20.6	76	92	69	68	79	80	77.3	......
28..	61.68	61.79	63.39	60.48	60.88	61.80	61.67	24.6	24	28.4	30.5	25.5	24.7	26.3	30.9	23.6	85	89	70	59	84	74	76.8	......
29..	61.14	61.64	63.26	61.23	61.47	62.37	61.85	23.3	22	28.5	29.5	25.3	23	25.3	30.8	21.5	84	90	66	65	81	90	79.3	......
30..	61.44	61.92	62.76	60.76	61.31	62.36	61.76	24	24	28	29.2	26	25.2	26.1	30.8	23.2	87	88	70	66	78	83	78.7	......
31..	61.27	61.67	62.77	60.50	61.07	62.23	61.58	24	22.8	27.3	29	25.9	24.1	25.5	29.5	22.5	89	96	78	71	82	92	84.7	......
Mean	61.55	61.94	63.12	61.02	61.44	62.55	61.94	24.1	23.5	28.1	28.9	25.8	24.7	25.8	30.4	23	87.8	90.7	73.3	70.5	82.1	85.3	81.6	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	Calm	NE	NE	Calm	NE	27.9	39.4	44.5	34.6	146.4	9	Ci.-S.	S.-Cu. ENE	3	....	Fr.-Cu. ENE
2..	NE	NE	NNE	NE	N	Calm	39.4	42.9	49.4	25.1	156.8	5	A.-Cu.	....	7	A.-Cu.	Fr.-Cu. ENE
3..	NE	NE	NE	NNE	NNE	NNE	33.8	53.6	44.3	40.8	172.5	7	A.-Cu. ENE	S.-Cu. NE	8	Ci.	S.-Cu. NE
4..	NNE	NNE	NE	N	Calm	NE	38	47	53.7	39.6	178.3	5	A.-Cu. ENE	Fr.-S. NE	9	Ci.-S.	S.-Cu. N
5..	ENE	NNE	NNE	NNE	NNE	NE	38.4	44.6	46.1	51.8	180.9	3	....	Fr.-Cu. NE	10	Ci.-S.	S.-Cu. NE
6..	N	N	N	N	ENE	ENE	39.6	62	60.6	64.1	226.3	7	Ci.	S.-Cu. NNE	10	A.-S. NE	....
7..	NE	NE	NE	NE	ENE	NE	36.4	84.8	78.7	71	270.9	5	Ci.-S.	Fr.-Cu. ENE	10	Ci.-S.	N. ENE
8..	Calm	Calm	NE	NE	Calm	Calm	30.3	53.7	59.3	4.3	147.6	7	A.-Cu.	S.-Cu. ENE	7	A.-Cu.	Fr.-Cu. ENE
9..	Calm	Calm	NE	NE	Calm	Calm	3.4	27.6	35.7	11.6	78.3	1	....	Fr.-Cu. ENE	1	....	Fr.-Cu. ENE
10..	Calm	Calm	N	N	Calm	Calm	10.5	27.1	33.6	10	81.2	1	Ci.	....	2	Ci.	Cu. NNE
11..	Calm	Calm	E	ENE	Calm	Calm	12.3	44.3	47	3.4	107	1	....	Fr.-Cu. E	1	....	Fr.-Cu. E
12..	Calm	Calm	NE	NE	Calm	Calm	2.7	27.9	43.3	4.5	78.4	5	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu. ENE
13..	Calm	Calm	NE	NE	Calm	Calm	4.3	37.3	41.6	2.6	85.8	2	Ci.-S.	S.-Cu.	1	....	Fr.-Cu. ENE
14..	Calm	Calm	NE	NE	Calm	Calm	7.8	50.9	51.3	3.7	113.7	1	....	Fr.-Cu.	1	....	Cu. ENE
15..	Calm	Calm	NE	NE	Calm	Calm	6.1	32.2	40.8	6.1	85.2	1	....	S.-Cu.	1	....	Cu. ENE
16..	Calm	Calm	E	E	Calm	NE	3.8	68.6	46.4	45.3	164.1	10	Ci.-S.	Fr.-N. ENE	9	A.-Cu. SE	....
17..	NE	NE	NE	NE	Calm	NE	49.7	49.7	34	34.6	168	5	Ci.-S.	Fr.-Cu. ENE	2	Ci.-S.	Fr.-Cu. ENE
18..	NNE	NNE	NNE	N	Calm	ENE	37.8	44.6	40.7	34	157.1	3	Ci.-S.	Fr.-Cu. NE	1	....	Fr.-Cu. NNE
19..	NE	Calm	ENE	N	Calm	E	28	47.7	38.4	24.7	138.8	1	....	Fr.-Cu. ENE	3	....	Cu. NNE
20..	Calm	N	NNE	NNE	E	E	38.4	57.6	47.3	51.8	195.1	10	Ci.-S.	S.-Cu. NNE	2	....	Cu. NE
21..	Calm	NNE	N	N	Calm	N	35.9	49.4	37.3	45.4	168	5	Ci.-S.	Fr.-Cu. NE	10	Ci.-S.	Fr.-N. NNE
22..	N	N	NNE	NNE	N	N	43.5	53.6	59.3	48	204.4	10	A.-Cu. NE	....	1	....	Fr.-Cu. NE
23..	NE	NE	NE	N	Calm	N	44.9	51.8	46.9	43.7	187.3	9	Ci.-S.	S.-Cu. ENE	10	A.-Cu. NE	....
24..	N	Calm	NE	N	Calm	NE	33.5	40.7	47.8	40.4	162.4	10	A.-Cu. E	....	5	Ci.-S.	Fr.-Cu. NNE
25..	N	N	N	N	N	N	36.4	45.3	50.2	51.2	183.1	8	Ci.-S	S.-Cu. NNE	9	A.-Cu. NE	....
26..	N	NE	NE	NNE	NNE	NNE	53.6	83.5	68.6	67.1	272.8	8	Ci.-S.	S.-Cu. ENE	2	....	Cu. NE
27..	Calm	Calm	N	N	Calm	N	19.6	35.4	42.4	32.8	130.2	2	Ci.-S.	S.-Cu.	3	....	Fr.-Cu. NNE
28..	N	Calm	NE	NE	Calm	NE	28.4	45.6	53.3	58.9	186.2	5	A.-Cu.	Fr.-Cu. ENE	2	A -Cu. E	Fr.-Cu. ENE
29..	NE	Calm	NE	NE	Calm	Calm	27.2	52.6	41.2	4.6	125.6	3	Ci.-S.	....	1	....	Fr.-Cu. ENE
30..	Calm	Calm	NE	NE	Calm	NE	8.6	38	44	29.6	120.2	9	A.-Cu.	Fr.-Cu.	6	Ci.-S.	Fr.-Cu. ENE
31..	Calm	Calm	E	E	Calm	Calm	10	26	29.3	6.1	71.4	7	Ci.-S.	S.-Cu.	10	A.-Cu.	....
Mean	......	......	......	......	......	......	26.8	47.3	47	32	153	5.3	....	....	4.8	....	....
Total	......	......	......	......	......	......	......	......	......	......	4,744	....	....	....	....	....	....

CAPIZ

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6.7 meters; gravity correction not applied, −1.81 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.78	62.20	62.71	60.91	61.29	62.38	61.88	23.1	22.8	28.8	30.4	26.4	24	25.9	30.6	22.6	94	96	68	54	77	91	80	....
2..	61.45	62.63	63.68	61.80	62.14	63.03	62.46	24	22.8	28.9	29.6	25.7	23.4	25.7	31	22.6	91	92	69	64	80	91	81.2	....
3..	62.43	63.67	64.25	61.98	62.66	63.57	63.09	24.2	23	28.3	27.9	25.7	25.1	25.7	30.6	22.8	86	88	68	71	78	78	78.2	....
4..	62.78	63.79	64.78	62.72	63.72	64.22	63.67	24.1	22.1	29	29.2	25.7	25	25.8	30.1	21.9	83	86	64	63	75	76	74.5	....
5..	63.74	64.73	65.21	63.03	64.17	65.17	64.34	24.8	25.1	27.3	29.7	26.2	24.8	26.3	30.7	24	75	72	69	58	76	78	71.3	1
6..	64.15	64.83	65.58	62.93	63.88	64.27	64.27	23.5	23.5	27.5	28.5	24.4	24.8	25.4	30.3	23.1	81	90	73	68	87	84	80.5	....
7..	63.70	64.42	65.18	62.65	63.36	63.61	63.82	23.5	23.9	28.9	30.6	26.2	24.9	26.3	30.7	23.2	86	84	67	60	75	88	76.7	....
8..	62.73	63.82	64.60	62.33	62.84	63.49	63.30	24.2	23.3	28	30	25.8	25.3	26.1	30.8	23.1	91	92	75	61	82	85	81	....
9..	62.42	63.33	64.48	62.45	63.02	64.06	63.29	23.9	23.5	29.2	29.8	26.5	25.7	26.4	30.7	23.3	89	91	72	65	80	79	79.3	....
10..	62.13	62.79	63.73	61.31	61.88	63.27	62.52	24.2	23.5	27.1	28.3	24.7	24.1	25.3	30.2	23.1	84	87	75	72	92	92	83.7	3.8
11..	62.38	63.07	64.08	61.73	62.41	63.82	62.92	23.9	23.8	28	29	26.2	23.4	25.7	29.4	23.2	91	91	74	67	80	94	82.8	5.6
12..	62.40	62.43	63.21	60.78	61.12	62.48	62.07	24	23.6	28	29.8	26.4	24.4	26	30.9	23.4	93	95	71	64	85	93	83.5	....
13..	61.24	61.64	63.13	60.52	60.92	62.11	61.59	23.7	23.8	27.3	30.3	26.7	25.1	26.2	31.3	23.5	94	93	78	66	78	90	83.2	....
14..	61.52	61.94	62.91	61.02	61.56	62.59	61.92	24.7	23.8	29.1	30.8	26.3	24.4	26.5	31.7	23.6	91	89	64	59	79	89	78.5	....
15..	62.34	62.43	63.18	61.27	61.79	62.74	62.29	24.6	24.4	28.9	30.4	26.6	25.5	26.7	30.6	23.8	88	89	74	66	82	86	80.8	....
16..	61.94	61.93	62.46	60.77	60.56	61.49	61.52	25.1	25	27.9	29.8	26.7	24.9	26.6	30.5	24.4	89	91	80	70	83	91	84	....
17..	60.01	60.53	61.55	59.18	59.22	60.39	60.15	24.3	23.7	29.2	30.5	26.3	24.8	26.5	31.1	23.5	94	96	73	63	82	89	82.8	....
18..	59.15	60.05	61.13	59.07	59.61	60.76	59.96	24.5	23.5	28.5	30.8	26.6	24.3	26.4	31.1	23.3	92	96	71	64	82	90	82.5	....
19..	60.39	61.17	61.97	59.31	59.95	61.28	60.68	24.6	24.6	29.2	31.4	26.8	25.1	27	32.1	24.2	90	90	70	60	83	91	80.7	....
20..	60.53	61.33	61.78	59.37	59.41	60.58	60.50	25.4	24.8	29.3	30	27	25.8	27	31.3	24.6	90	89	72	65	80	83	79.8	.5
21..	59.81	60.23	61.37	58.68	59.01	59.58	59.78	24.2	23.5	29.2	30.8	26.9	25	26.6	31.7	23.3	90	96	74	67	80	92	83.2	....
22..	58.83	58.90	59.93	57.72	58.32	59.62	58.89	24.4	24.6	30.4	32.4	27.2	26.1	27.5	32.5	24.2	94	96	73	56	84	91	82.3	....
23..	58.83	59.31	60.31	58.25	58.78	60.51	59.33	25.9	23.7	29.4	32	27.3	25.8	27.4	32.2	23.5	92	94	73	66	78	88	81.8	....
24..	59.53	60.22	61.11	59.04	59.06	60.42	59.90	25.3	24.5	30	31.7	26.8	23.8	27	31.8	23.6	90	92	72	59	78	91	80.3	....
25..	59.12	59.93	61.39	59.12	59.42	60.63	59.94	24.2	22.2	29	30	26.5	25.5	26.2	31.1	22	92	94	68	66	77	72	78.2	....
26..	60.17	60.85	62.12	60.38	60.91	62.08	61.08	24.4	23.7	29.7	28.2	25.7	25.4	26.2	30	23.5	75	85	66	76	83	84	78.2	....
27..	60.98	61.37	62.56	60.41	60.36	61.46	61.19	25.3	24.5	28.2	30.5	26.4	24.6	26.6	31.2	24.3	84	85	72	66	81	87	79.2	....
28..	60.38	61.35	62.46	60.15	59.92	61.11	60.90	24.8	25	29.5	30	26.6	25.1	26.8	31	24.6	83	81	67	67	80	85	77.2	....
Mean	61.32	61.96	62.89	60.67	61.12	62.17	61.69	24.4	23.8	28.7	30.1	26.3	24.9	26.4	31	23.4	88.3	90	71.1	64.4	80.6	86.7	80.2	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	NE	NE	Calm	Calm	4.8	50.2	62.6	7	124.6	1	....	Fr.-Cu.	0	....	....
2..	Calm	Calm	N	N	Calm	Calm	21.1	46.2	38.1	5.3	110.7	1	....	Fr.-Cu.	1	....	Fr.-Cu. NNE
3..	N	Calm	N	N	N	N	32.2	36.2	47.2	40.8	156.4	1	A.-Cu.	....	10	A.-Cu. NE	S.-Cu. NNE
4..	Calm	Calm	N	N	N	N	21.1	41.5	63.1	48.9	174.6	0	....	....	1	....	Fr.-Cu. NNE
5..	N	N	N	N	Calm	N	61.2	70.3	51.5	54.5	237.5	10	A.-Cu. NE	Fr.-Cu. NNE	7	A.-Cu. NE	S.-Cu. NNE
6..	Calm	N	N	N	N	N	38.9	66	55	52.5	212.4	10	A.-Cu. NE	....	9	A.-Cu. NE	Fr.-Cu. NNE
7..	Calm	N	NE	E	Calm	Calm	37.6	71.6	56.9	17.9	184	7	Ci.-S.	S.-Cu. NNE	1	....	Fr.-Cu. ESE
8..	N	Calm	ENE	NE	Calm	Calm	31.2	44.8	61.7	20.6	158.3	1	A.-Cu.	....	6	Ci.-Cu.	....
9..	N	Calm	N	N	N	NE	34	44.1	53.7	44.1	175.9	2	Ci.-Cu.	Fr.-Cu. NE	3	A.-Cu. NE	Cu. NNE
10..	Calm	Calm	NE	N	Calm	NE	30.9	54.1	35.6	33.3	153.9	1	A.-Cu.	....	9	A.-Cu. NE	Cu. NNE
11..	NE	NE	N	NF	NE	E	45.9	50.5	53.1	37.6	187.1	8	A.-Cu.	S.-Cu. ENE	7	A.-Cu. E	Fr.-Cu. ENE
12..	E	E	E	ENE	Calm	Calm	32.7	56.5	56.9	6.1	152.2	8	Ci.-S.	Fr.-Cu. ESE	1	Ci.-Cu.	Fr.-Cu. E
13..	Calm	Calm	NE	NE	Calm	Calm	18.5	42.1	61	8.2	129.8	3	A.-Cu.	Fr.-S. ENE	1	....	Cu. ENE
14..	Calm	NE	E	E	Calm	Calm	26	56	49.6	10.3	141.9	4	Ci.-S.	Fr.-Cu. ENE	8	A.-Cu. SE	....
15..	Calm	Calm	N	N	N	Calm	25.9	43.5	48.3	20.1	137.8	7	A.-Cu.	....	7	A.-Cu.	Fr.-Cu. NNE
16..	N	N	N	N	Calm	Calm	31.2	38.8	54.5	4.5	129	10	Ci.-S.	Fr.-Cu. NNE	1	Ci.-Cu.	Cu. NNE
17..	Calm	Calm	NE	N	N	Calm	3	35.6	48.5	11.8	98.9	2	....	Fr.-Cu.	1	....	Fr.-Cu. NNE
18..	Calm	Calm	NE	NE	Calm	Calm	7	36.5	47	11.6	102.1	10	A.-Cu.	....	1	....	Fr.-Cu. ENE
19..	N	Calm	NE	E	N	Calm	41.6	49.4	57.7	13.7	162.4	8	Ci.-S.	S.-Cu. NNE	1	....	Cu. E
20..	NE	NE	NE	NE	NE	E	49.1	68.4	66.5	43.1	227.1	3	Ci.-S.	Fr.-Cu. ENE	5	Ci.-S.	Fr.-Cu. ENE
21..	Calm	Calm	E	N	Calm	Calm	15.8	31.1	46.4	7.7	101	3	Ci.-S.	Fr.-Cu.	1	....	Cu. NNE
22..	Calm	Calm	NE	E	Calm	Calm	4.8	45.7	54.2	7	111.7	5	Ci.-S.	Fr.-Cu. ENE	1	....	Cu. ESE
23..	NE	Calm	NE	N	Calm	Calm	25.9	45.3	52	18.5	141.7	2	Ci.-S.	....	1	A.-Cu.	Cu. NNE
24..	E	Calm	NE	E	Calm	Calm	33.5	50.4	53.3	5.6	142.8	3	A.-Cu.	Fr.-S. E	1	Ci.-S.	Fr.-Cu. ESE
25..	E	Calm	NE	NE	Calm	NE	20.9	48.5	45.4	56.5	171.3	5	Ci.-S.	Fr.-Cu.	1	Ci.-S.	Fr.-Cu. ENE
26..	Calm	Calm	NE	NE	NNE	NE	33.2	42.4	59.3	47.3	182.2	5	A.-Cu.	Cu.	9	A.-Cu.	Cu. ENE
27..	NE	NE	NNE	NNE	N	NE	44.3	54.5	54.5	52.3	205.6	8	Ci.-S.	Cu. ENE	6	Ci.-S.	Cu. NE
28..	NE	E	NNE	NNE	Calm	E	41.2	60	37	25.7	163.9	10	Ci.-S.	Fr.-Cu. ESE	6	A.-Cu.	Fr.-Cu. NE
Mean	......	......	......	......	......	......	29.1	49.3	52.5	25.4	156.3	4.9	....	....	3.8	....	....
Total	......	......	......	......	......	......	......	......	......	......	4,376.8	......	....	....	......	....	....

CAPIZ

[φ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6.7 meters; gravity correction not applied, —1.81 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.04	60.42	62.08	60.07	59.91	61.14	60.61	25.4	25.3	28.5	30.9	26.7	25.5	27	31.1	24.9	80	79	72	64	78	82	75.8	....
2..	59.96	60.25	61.81	60.38	60.13	61.81	60.72	25.2	24.8	28.2	29	26.5	25.2	26.5	30.3	24.3	83	86	69	71	80	86	79.2	....
3..	60.93	61.83	62.73	60.82	60.91	62.14	61.56	25.2	23.5	29.9	30	26.6	26.1	26.9	32	23.3	87	88	62	69	83	78	77.8	....
4..	61.36	61.95	63.23	61.20	61.33	62.44	61.92	24.5	23.3	29	30.4	27	25	26.5	31.3	23.1	83	91	68	64	80	79	77.5	....
5..	61.67	62.19	63.34	61.06	61.01	62.30	61.93	24.5	23.7	28.8	30.5	26	23.2	26.1	31.4	23	82	85	72	65	81	88	78.8	....
6..	61.43	61.80	62.52	60.53	60.36	61.46	61.35	24.1	23	29.7	30.8	26.3	24.2	26.4	32.3	22.8	86	87	64	71	78	86	78.7	....
7..	60.91	61.42	62.42	60.47	60.11	61.44	61.13	25.3	25	29.5	31	27.2	25.4	27.2	31.9	24.2	84	85	68	61	70	77	74.2	....
8..	60.79	61.27	62.07	59.85	60.23	61.51	60.95	24.4	24.5	27.7	30.7	26.2	25	26.4	31	22.8	80	81	76	56	79	87	76.5	5.6
9..	60.66	60.97	61.98	60.02	60.16	61.37	60.86	24.9	24.5	27.6	28.5	26.6	25.5	26.3	29.9	24.3	86	86	79	70	90	90	83.5	.3
10..	60.51	61.45	62.76	60.56	60.21	61.83	61.22	25.4	25	28.4	31.5	27.4	24.9	27.1	31.8	24.1	89	87	75	59	73	88	78.5	....
11..	61.04	61.78	62.47	60.42	60.59	61.68	61.33	25.1	23.5	29.9	29.4	26.6	26.4	26.8	31.5	23.3	87	89	64	67	79	79	77.5	....
12..	60.91	61.70	63.23	60.87	60.61	61.92	61.54	24.7	23.1	29.3	30.5	26.8	25.1	26.6	31.4	22.9	84	94	72	63	80	90	80.5	....
13..	60.69	61.32	62.85	60.80	60.21	61.64	61.25	25.5	25.6	29.4	30.5	26.8	25.1	27.2	32.3	24.3	88	84	64	65	78	88	77.8	....
14..	60.71	61.33	62.78	60.36	60.61	62.07	61.31	24.8	24.9	29.6	32.2	27.1	26.5	27.5	32.4	24.1	86	87	64	56	77	80	75	....
15..	60.83	61.43	63.11	60.92	60.82	61.96	61.51	25.6	25.4	30.1	30.5	27.2	26.2	27.5	31.4	25.2	81	82	69	62	74	85	75.5	....
16..	60.92	61.31	62.60	60.56	60.58	61.58	61.26	25.7	24.6	30	31	26.9	25.7	27.3	31.6	24.4	84	83	62	60	77	78	74	2.3
17..	60.78	60.97	62.68	60.81	60.92	62.34	61.42	25.2	23.7	27.5	28.2	25.8	25.8	26	30.4	23.5	83	94	76	77	84	86	83.3	1.5
18..	61.26	61.55	62.86	61.31	61.25	62.79	61.84	24.3	23.6	29.9	31.5	27	25.1	26.9	32.3	23.4	88	90	65	62	80	90	79.2	....
19..	61.67	62.06	63.32	61.17	61.17	62.76	62.02	25.6	25	30.6	31	27.8	26.7	27.8	32.3	24.8	88	91	68	65	79	84	79.2	....
20..	61.61	62.02	62.76	60.59	60.42	61.94	61.56	25.4	25.8	30.6	32.6	28.4	26.1	28.2	32.7	25.2	90	88	67	54	64	82	74.2	....
21..	60.31	60.79	61.98	60.06	60.01	61.14	60.72	25.8	23.8	30.5	31.7	27.1	23.9	27.1	32.6	22.8	84	87	61	50	64	84	71.7	....
22..	60.77	60.81	61.36	59.15	59.17	60.94	60.37	22.7	21.5	30.5	31.2	27.1	23.8	26.1	32.2	21.2	89	94	55	61	76	89	77.3	....
23..	60.19	60.68	61.36	59.31	59.48	60.46	60.25	23.2	22.4	30.8	31.1	27.7	24.1	26.6	32.6	22.2	91	94	62	62	70	89	78	....
24..	59.60	60.19	61.12	59.04	59.18	60.59	59.95	23.7	23.7	30.5	32	27.5	24.6	27	32.8	23	92	94	72	60	75	89	80.3	....
25..	59.58	60.10	61.17	59.05	59.47	61.28	60.11	22	22	29.6	31.1	27.8	25.8	26.4	32.4	21.3	91	93	68	64	79	89	80.7	....
26..	60.53	61.22	61.98	59.47	59.73	60.99	60.65	25.4	24.8	29.9	30.5	27.8	26.6	27.5	32.1	24.6	88	83	64	60	70	80	74.2	....
27..	59.62	59.88	61.48	59.05	59.01	60.47	59.92	26	25.7	29.2	31.2	27.6	25.2	27.5	32.5	24.8	81	82	71	64	77	88	77.2	....
28..	59.52	60.21	61.21	58.77	59.50	61.26	60.08	25.9	25.8	30	31.2	28	25.2	27.7	32.2	24.8	86	87	70	67	80	91	80.2	5.6
29..	59.75	60.04	61.16	59.12	59.15	60.96	60.03	23.7	23.8	28.6	31.3	27.6	25.5	26.8	32.4	23.4	93	95	73	60	79	86	81	....
30..	59.26	59.78	60.21	57.75	58.34	60.53	59.31	25.9	25.4	30.2	32.3	27.5	25.5	27.8	32.6	24.9	84	85	64	54	78	88	75.5	....
31..	58.73	58.91	60.11	57.63	57.74	59.73	58.81	25.3	24.9	29.5	31	27.4	25.8	27.3	32	24.7	88	91	71	65	81	91	81.2	.8
Mean	60.53	61.02	62.15	60.04	60.07	61.50	60.89	24.9	24.2	29.5	30.8	27.1	25.3	27	31.9	23.7	86	87.8	68	62.8	77.2	85.4	77.9	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	16.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	Calm	NNE	NNE	Calm	NE	50.9	42.8	43 8	21.9	159.4	9	A.-Cu.	....	3	A.-Cu.	Cu. NE
2..	NE	Calm	N	N	Calm	NE	36.8	35.9	39.6	21.5	133.8	9	Ci.-S.	S.-Cu.	9	A.-Cu.	Fr.-Cu. NNE
3..	ENE	Calm	N	N	Calm	ENE	38.4	70.5	50.7	50.2	209.8	6	Ci.	....	8	Ci.-S.	....
4..	NE	Calm	NE	N	Calm	N	37.3	64.7	42.6	37.6	182.2	1	....	Fr.-Cu.	5	Ci.-S.	Cu. NNE
5..	NNE	Calm	NNE	NNE	Calm	Calm	39.6	61.5	45.4	9.7	156.2	4	Ci.-Cu.	Fr.-Cu. NE	1	....	Fr.-Cu. NE
6..	NNE	N	E	NE	Calm	Calm	30.6	55.3	52.5	6.1	144.5	3	Ci.	....	4	Ci.-S.	....
7..	Calm	NE	NNE	NE	Calm	NE	33.3	76.6	52.5	51.3	213.7	4	Ci.-S.	Fr.-Cu. NE	8	Ci.-S.	Fr.-Cu. ENE
8..	ENE	NE	NNE	E	Calm	Calm	34.9	61.5	64.1	10.2	170.7	9	A.-Cu.	....	1	Ci.-S.	Cu. E
9..	Calm	ENE	N	N	N	ENE	21.7	41.8	52.9	33.8	150.2	3	Ci.-S.	....	10	A.-Cu.	....
10..	E	E	N	ENE	Calm	Calm	32.4	65.4	51.2	17.7	166.7	10	Ci.-S.	S.-Cu. E	3	A.-Cu. ESE	Fr.-Cu. E
11..	ENE	Calm	E	N	N	NE	35.4	60.4	51.7	41.8	189.3	1	....	Cu.	8	A.-Cu. NE	Cu. NNE
12..	Calm	Calm	N	N	N	Calm	18.5	40.5	48.6	3.4	111	6	Ci.-S.	Cu.	7	A.-Cu.	Fr.-Cu. NNE
13..	NE	N	NE	N	Calm	Calm	34.1	57.1	44.9	12.7	148.8	9	A.-Cu.	....	2	....	Fr.-Cu. NNE
14..	Calm	E	ENE	ENE	Calm	E	19.9	60.6	56	39.7	176.2	5	....	Cu. E	1	Ci.-S.	Fr.-Cu. E
15..	N	NNE	ENE	NE	Calm	Calm	40.2	62.2	47.8	20.6	170.8	3	A.-Cu.	....	1	A.-Cu. E	Cu. ENE
16..	E	Calm	N	N	Calm	NE	28.7	51.5	44.8	26.8	151.8	2	A.-Cu.	....	1	Ci.	Fr.-Cu. NNE
17..	NNE	NE	ENE	ENE	N	NE	52.3	55.7	60	32.7	200.7	10	A.-S. E	....	9	A.-Cu.	Cu. E
18..	Calm	Calm	ENE	N	Calm	Calm	21.7	54.2	52	4.3	132.2	1	Ci.-Cu.	Fr.-Cu.	1	Ci.	Cu.
19..	NE	NE	N	NNE	N	NE	25.7	52.1	53.4	43.7	174.9	4	Ci.	Fr.-Cu. ENE	2	Ci.	Fr.-Cu. NE
20..	NE	NE	ENE	NE	E	Calm	34	61.4	72.9	20.4	188.7	9	A.-Cu. E	Fr.-Cu. ENE	0	....	....
21..	Calm	Calm	E	F	Calm	Calm	15.9	63.9	63.4	5.6	148.8	1	Ci.	Fr.-Cu.	1	Ci.-S.	....
22..	Calm	Calm	ENE	NE	Calm	Calm	2.4	43.3	57.3	3.2	106.2	1	....	Cu.	0	....	....
23..	Calm	Calm	ENE	N	Calm	Calm	2.4	29	44.5	2.4	78.3	2	....	Cu.	1	....	Cu.
24..	Calm	Calm	NNE	NE	Calm	Calm	2.9	44.5	50.5	8.9	106.8	6	Ci.-S.	S.-Cu.	1	Ci.-S.	....
25..	Calm	Calm	E	ENE	NE	Calm	3.8	33.2	48.3	18.7	104	3	Ci.-S.	Fr.-Cu.	7	Ci.	Fr.-Cu. E
26..	ENE	ENE	NE	N	N	N	56.3	65.7	49.6	42.3	213.9	3	A.-Cu.	S.-Cu. E	2	....	Cu. NNE
27..	ENE	ENE	NE	N	Calm	Calm	44.9	60	48.8	5.6	159.3	4	A.-Cu.	Fr.-Cu. E	2	....	Fr.-Cu. NNE
28..	NNE	Calm	N	NNE	Calm	NNE	26.9	44	41.6	37	149.5	7	A.-Cu.	Fr.-Cu. NNE	9	A.-Cu.	Fr.-Cu. NE
29..	Calm	Calm	NNE	ENE	Calm	Calm	27.9	55	44.3	13.2	140.4	1	....	Fr.-Cu.	6	Ci.-Cu.	Fr.-Cu. E
30..	NNE	NNE	NNE	NE	Calm	Calm	39.6	74.3	62.3	8.7	184.9	5	....	Fr.-Cu. NE	0	....	....
31..	Calm	Calm	ENE	NE	Calm	Calm	19.1	49.9	45.3	9.9	124.2	8	Ci.-S.	....	9	Ci.-S.	....
Mean	......	......	......	......	......	......	29.3	54.7	51.1	21.3	156.4	4.8	....	....	3.9	....	....
Total	......	......	......	......	......	......	......	......	......	......	4,847.9	....	....	....	....	....	....

CAPIZ

[φ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6.7 meters; gravity correction not applied, —1.81 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	mm.
1..	59	59.52	60.71	58.25	59.23	60.89	59.60	25.9	25.7	28.8	32.6	27.6	25.7	27.7	33.4	25	93	95	82	66	81	90	84.5	....
2..	59.08	59.65	61.57	59.40	60.07	60.99	60.13	24.6	24.4	30	32	27.5	25.4	27.3	32.5	24.2	93	95	73	59	77	88	80.8	....
3..	59.89	60.22	60.55	58.50	58.25	59.63	59.51	24.7	23.3	29.4	33.3	27.8	25.4	27.3	33.9	23.1	92	95	76	55	77	85	80	....
4..	58.79	59.33	60.66	58.32	58.71	60.33	59.36	25.2	25	30.6	32.7	28	24.7	27.7	33.6	24.3	87	88	65	52	68	87	74.5	....
5..	60.22	60.25	61.03	58.87	59.17	61.32	60.14	24	23.1	30.9	31.3	28.1	25.2	27.1	32.8	22.9	91	95	65	61	71	88	78.5	....
6..	60.32	60.40	61.30	59.17	59.45	61.24	60.31	24.2	23.6	31.2	32.4	27.9	25.8	27.5	33.2	23.4	92	95	62	58	74	88	78.2	....
7..	60.11	60.37	60.84	58.50	58.68	59.76	59.71	26.1	25	31	32.5	28.3	25.1	28	33.8	24.6	88	92	68	55	76	89	78	....
8..	58.60	58.79	59.57	57.32	57.83	58.88	58.50	25.5	24.9	29.7	31.7	28.6	27.3	28	32.7	24.7	88	89	71	62	77	85	78.7	....
9..	57.21	57.52	58.97	57	57.47	59.03	57.87	27.1	26.6	27.9	29.6	27.2	26.3	27.4	31.4	25.7	86	89	85	78	88	90	86	1.3
10..	57.26	57.56	59.04	56.77	57.41	58.87	57.82	25.3	24.8	31	31	28.7	27	28	32.7	24.6	91	93	69	69	74	90	81	....
11..	57.54	58.39	59.29	56.42	56.85	58.93	57.90	26.5	26.1	32.3	33.7	28.7	27.8	29.2	34.8	25.9	93	95	71	59	75	86	79.8	....
12..	57.91	58.34	59.29	56.90	57.33	58.91	58.11	26.3	24.4	31.9	33.6	29	27.3	28.8	34.2	24.2	88	92	62	58	71	83	75.7	....
13..	58.17	58.81	59.66	57.23	57.32	59.43	58.44	25.9	24.8	29.7	30.5	28.5	26.6	27.7	33.2	24.6	87	92	73	60	66	83	76.8	....
14..	58.14	58.84	60.04	57.94	58.20	59.88	58.84	26.8	26.2	31.7	33.5	28.7	27.1	29	34.2	25.9	84	89	66	51	76	87	75.5	....
15..	59.25	59.68	60.47	58.50	58.44	61.02	59.56	27.3	26.6	30.7	32.6	29.1	27	28.9	35.4	26.1	88	92	69	53	67	86	75.8	....
16..	60.13	59.82	60.61	58.53	58.25	59.98	59.55	25.5	26.1	31.8	34.3	28.6	26.3	28.8	34.5	25.5	93	92	58	47	75	86	75.2	....
17..	58.53	59.27	60.07	57.75	57.85	59.50	58.83	26.3	25.8	30.5	33.3	28.4	27.7	28.7	33.9	25.6	86	86	71	56	80	89	78	1.3
18..	58.16	58.70	60.32	57.96	57.84	59.50	58.75	26.9	26	33	34.5	29.6	27.4	29.6	35	25.8	90	92	63	55	71	85	76	....
19..	59.06	59.64	60.97	59.33	59.15	61.05	59.87	27.4	26.6	32	33.4	28.7	27.5	29.3	34.5	26.3	86	86	66	55	78	86	76.2	....
20..	60.62	60.49	61.75	59.83	59.71	61.80	60.70	27.1	26.1	31.2	33.6	30.3	27.4	29.3	34.4	25.9	87	89	68	57	76	84	76.8	....
21..	60.96	61.42	61.65	59.51	59.19	61.38	60.68	26.7	25.4	30.9	33.1	29.3	26.1	28.6	34.2	25.2	86	90	62	54	68	83	73.8	....
22..	60.28	60.33	61.02	58.95	58.94	60.40	59.99	26	24.1	31.5	32.5	28.9	26.8	28.3	33.6	23.9	85	91	67	62	76	86	77.8	1.5
23..	59.62	60.63	61.46	58.79	59	61.32	60.14	26.3	25.2	31	33	29.3	27.3	28.7	34.5	25	89	91	69	56	72	87	77.3	....
24..	60.29	60.68	61.59	59.41	59.67	61.46	60.52	26.6	25.7	32.1	33.2	28.7	26.8	28.8	34.3	25.5	90	91	67	53	78	86	77.5	....
25..	60.26	60.57	61.32	58.90	58.92	60.68	60.11	26.4	25.5	31.4	33.3	28.8	26.8	28.7	34.5	25.5	88	90	69	54	79	89	78.2	2.5
26..	59.18	59.68	60.46	58.13	58.58	60.11	59.36	25.9	26	31.4	33.2	28.5	26.1	28.5	34	25.2	95	94	66	59	78	90	80.3	....
27..	58.65	59	59.70	57.16	57.35	59.03	58.48	25.2	24.8	32	33.7	29	27.4	28.7	34.4	24.6	93	97	67	53	71	87	78	....
28..	58.02	58.67	59.46	57.41	57.80	58.94	58.38	26.9	26	29.8	33	29.5	27	28.7	34	25.8	90	92	73	60	75	84	79	....
29..	58.33	58.82	59.76	57.68	58.32	60.07	58.83	26.8	26	32.3	34.1	28.8	27.2	29.2	34.7	25.8	86	92	64	57	81	88	78	....
30..	58.87	59.20	60.04	58.10	57.96	59.43	58.93	26.3	26.5	31.6	33	29.7	27.7	29.1	34.4	26.1	89	90	68	59	71	79	76	....
Mean	59.08	59.49	60.44	58.22	58.43	60.13	59.30	26.1	25.3	31	32.8	28.7	26.6	28.4	33.9	25	89.1	91.6	68.5	57.8	74.9	86.5	78.1	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	6.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	Km.	Km.	Km.	Km.	0–10			0–10		
1..	Calm	Calm	ENE	ENE	Calm	Calm	15.9	46.5	57.3	6.2	125.9	5	A.-Cu.	Cu.	1	Ci.-S.	Fr.-Cu. E
2..	Calm	Calm	NNE	NNE	Calm	Calm	3.7	48.3	46.2	5	103.2	9	Ci.-S.	Cu.	2	Ci.	Cu. NE
3..	Calm	Calm	NNE	NE	Calm	Calm	2.6	35.1	56.1	3.8	97.6	5	Ci.-S.	S.-cf.	1	Ci.-S.	....
4..	Calm	E	ENE	ENE	Calm	Calm	9.4	52.3	59.3	4.8	125.8	5	Ci.-S.	....	1	Ci.	Cu. E
5..	Calm	Calm	NE	NE	Calm	Calm	2.4	38.6	50.9	3.5	95.4	6	Ci.-S.	....	1	Ci.-S.	....
6..	Calm	Calm	ENE	ENE	Calm	Calm	4.3	35.7	52.5	4.5	97	1	Ci.-S.	Fr.-Cu.	1	Ci.-S.	....
7..	ENE	Calm	NNE	NE	Calm	Calm	17.7	54.4	48.9	12.6	133.6	3	....	Fr.-Cu.	1	Ci.	....
8..	NNE	Calm	NNE	NNW	Calm	Calm	31.7	48.8	48.3	25.5	154.3	2	Ci.	Fr.-Cu. E	4	Ci.-S.	Fr.-Cu. N
9..	NNE	NNE	NNE	NNE	Calm	ESE	44	55.8	48.6	28.2	176.6	9	Ci.-S.	Fr.-N. NE	7	A.-Cu. ENE	Cu. NE
10..	Calm	Calm	ENE	E	E	Calm	10.3	48.1	62.8	15.5	136.7	8	Ci.-S.	....	8	Ci.-S.	....
11..	Calm	Calm	ENE	ENE	SE	Calm	7.4	59.5	79.7	25.7	172.3	8	Ci.-S.	Cu.	1	Ci.-S.	....
12..	ESE	Calm	ENE	ENE	Calm	Calm	23.3	54.7	78.6	22	178.6	0	....	....	1	Ci.	....
13..	ENE	Calm	ENE	NE	Calm	Calm	23	51.7	66.8	9.2	150.7	3	....	Cu.	8	A.-Cu.	....
14..	ENE	ENE	NNE	ENE	ENE	Calm	29.3	57.6	59.7	9.7	156.3	6	A.-Cu.	Fr.-Cu. E	4	Ci.-S.	....
15..	Calm	Calm	E	E	Calm	Calm	21.2	57.1	52.6	9.5	140.4	10	A.-Cu.	Fr.-Cu. E	5	A.-Cu.	Fr.-Cu. ESE
16..	Calm	Calm	ENE	ENE	Calm	Calm	16.9	65.7	57.6	14.5	154.7	6	A.-Cu.	Fr.-Cu. E	1	....	Cu. E
17..	E	ENE	ENE	N	Calm	Calm	41.6	55.2	53.4	20.1	170.3	8	A.-Cu.	S.-cf. E	1	....	Cu. NNE
18..	NNE	Calm	ENE	E	Calm	Calm	32.4	56.6	63.6	21.5	174.1	3	....	Fr.-Cu. E	1	....	Cu. ESE
19..	ENE	ENE	ENE	ENE	ENE	ENE	43.7	67.8	64.4	29	204.9	3	....	Fr.-Cu. E	1	....	Cu. E
20..	ENE	ENE	ENE	ENE	Calm	ENE	45.4	80.2	67.4	36.5	229.5	3	....	Fr.-Cu. E	3	Ci.-S.	Cu. E
21..	ENE	Calm	NE	NE	Calm	Calm	40.4	63.3	60.4	8.2	172.3	5	Ci.-S.	Fr.-Cu. E	1	Ci.	Fr.-Cu. ENE
22..	Calm	Calm	NE	NE	NE	Calm	17.5	48.8	54.1	19.3	139.7	3	Ci.-S.	Fr.-Cu.	3	Ci.-S.	....
23..	Calm	Calm	ENE	ENE	ENE	ENE	16.7	58.1	64.9	30.8	170.5	8	A.-Cu.	Cu. E	5	Ci.-S.	Cu. E
24..	ENE	Calm	NNE	ENE	Calm	Calm	25.1	59.2	62.5	17.9	164.7	6	Ci.-S.	Fr.-Cu.	1	Ci.-S.	Cu. E
25..	ENE	Calm	NE	ENE	ENE	Calm	30	58.5	62.8	9.1	160.4	3	Ci.-S.	Fr.-Cu. E	1	Ci.	Cu. E
26..	Calm	Calm	E	NNE	Calm	Calm	7.5	59	51.7	2.7	120.9	4	....	Cu.	8	Ci.-S.	Cu. NE
27..	Calm	Calm	ENE	ENE	ENE	Calm	4	45.6	67	29.5	146.1	3	Ci.-S.	Fr.-Cu.	5	Ci.-S.	....
28..	Calm	Calm	ENE	ENE	Calm	Calm	20.1	49.1	52.9	19	141.1	8	A.-Cu.	S.-cf.	6	A.-Cu.	Fr.-Cu. E
29..	Calm	Calm	NNE	ENE	ENE	ENE	10	56	81.9	40.5	188.4	8	A.-Cu.	Fr.-Cu.	2	A.-Cu.	Cu. E
30..	Calm	ENE	ENE	ENE	Calm	ENE	23.5	75.4	73.5	33.8	206.2	8	Ci.-S.	Fr.-Cu. E	1	....	Fr.-Cu. E
Mean	......	......	......	......	......	......	20.7	54.8	60.2	17.3	152.9	5.3	....	....	2.9	....	....
Total	......	......	......	......	......	......	......	......	......	......	4,588.2	....	....	....	....	....	....

CAPIZ

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6.7 meters; gravity correction not applied, −1.81 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.94	59.57	59.66	57.58	58.02	59.90	58.94	26.5	25.5	31.8	33.2	29.6	27	28.9	33.9	24.9	84	88	67	53	67	90	74.8	....
2..	59.03	59.54	60.14	57.84	57.90	60.28	59.12	25.6	25.8	32.3	34.2	29.8	27.7	29.2	34.6	25.2	93	93	60	52	75	81	75.7	....
3..	58.98	59.23	60.10	58.05	58.12	59.80	59.05	26.7	25.9	31.8	33.8	29.7	28.1	29.3	34	25.7	84	88	65	58	75	82	75.3	....
4..	58.88	59.18	59.92	58.36	58.32	60.17	59.14	26.9	26.4	31.7	33.7	29.4	28.4	29.4	35.	26.2	87	90	68	64	80	82	78.5	....
5..	59.58	59.91	60.79	59.23	59.37	60.66	59.92	27.6	26.8	32.7	33.7	29.3	27.9	29.7	35.2	26.6	87	91	68	58	79	88	78.5	....
6..	59.42	60.13	60.69	58.49	59.01	60.25	59.66	26.9	26.7	32.6	34.2	29.2	28.1	29.6	35.3	26.4	90	91	69	58	83	82	78.8	....
7..	58.97	59.42	60.10	58.14	58.02	59.25	58.98	27.3	26.4	32.4	34.5	29.2	27.3	29.5	34.7	26.2	87	92	70	57	83	91	80	....
8..	58.21	58.42	59.47	57.84	58.15	60.03	58.69	27.2	26.5	32.5	34	29.3	27.5	29.5	35.2	26.3	91	92	67	58	82	89	79.8	....
9..	58.94	59.22	59.54	57.69	57.77	59.65	58.80	27.4	26	32.8	33.6	30	27	29.5	34.8	25.8	91	94	71	64	72	88	80	10.9
10..	58.12	58.73	59.42	57.41	57.08	58.68	58.24	27.5	25.5	32	33	28.9	27.1	29	33.5	24.8	86	93	72	65	83	93	82	....
11..	57.20	57.92	58.41	56.25	56.97	58.93	57.61	26.3	25.7	31.2	32.8	29.4	27.1	28.8	34.4	25.5	96	98	74	71	81	91	85.2	....
12..	57.38	58.03	58.79	56.43	56.57	58.57	57.63	25.7	25	31.8	34	29.6	27	28.8	34.2	24.7	94	97	75	67	75	88	82.7	....
13..	57.65	57.93	58.66	56.54	56.55	58.86	57.70	26.3	25.6	33.5	34.2	29.2	27.1	29.3	34.6	25.4	90	93	62	58	70	82	75.8	....
14..	57.81	58.15	58.41	56.34	56.99	58.43	57.69	26.7	26.4	33.2	35.2	29.4	27	29.6	35.4	26	90	91	63	55	74	80	75.5	....
15..	57.22	57.30	58.15	56.41	56.62	57.83	57.26	25.9	25.2	31.5	31.7	28	25.7	28	34.6	25	85	88	65	68	76	84	77.7	....
16..	57.05	57.26	57.99	55.56	56.05	58.11	57	24.9	24.8	32.1	34.9	30.2	28.1	29.2	35.6	24.2	90	92	61	57	74	84	76.3	....
17..	57.18	57.49	57.76	55.47	56.50	58.16	57.09	27.3	26.3	32	34.1	30.3	27.2	29.5	34.5	25.9	87	90	69	59	72	82	76.5	....
18..	56.41	57.33	57.54	55.44	56.27	58.13	56.85	25.9	25.4	33.1	31.2	26.8	25.7	28	35.9	25	86	89	58	71	90	93	81.2	9.4
19..	57.34	58.05	58.08	55.89	57.02	58.65	57.50	26.1	25.5	32.8	33.4	25.3	25.5	28.1	34	24.6	93	95	65	68	93	94	84.7	15.5
20..	58.08	59.26	59.28	56.64	57.51	59.52	58.38	25.2	25.6	29.2	31.7	29.7	27	28.1	33.5	25	97	97	76	70	77	84	83.5	....
21..	58.61	59.25	59.60	57.63	57.67	59.73	58.75	25.9	25.7	31.6	34.1	29.7	28	29.2	34.5	25.5	93	94	72	61	79	88	81.2	....
22..	58.62	58.23	59.09	57.35	57.55	58.87	58.28	27.9	27.2	32.8	31.5	30.5	27.5	29.6	35.2	26.9	90	91	57	62	66	84	75	....
23..	57.96	58.52	58.95	56.81	57.85	59.08	58.20	27	26.6	32.9	33.6	30	27.2	29.6	35	26	88	95	66	62	75	87	78.8	....
24..	58.29	58.52	59.24	57.46	57.43	59.30	58.37	25.8	25.6	31.5	27.5	29.4	26.8	27.8	33.1	25.3	90	92	72	92	79	94	86.5	16.8
25..	57.98	58.60	59.47	57.65	57.81	59.16	58.44	25.6	25.4	30.4	30.8	29.2	26.6	28	34.3	25.2	96	97	73	72	87	94	86.5	5.1
26..	58.14	58.15	58.39	56.16	56.55	58.56	57.66	25.8	25.5	31.6	34.2	29.9	27.6	29.1	34.9	25	95	95	65	63	79	84	80.2	....
27..	57.33	57	57.45	55.17	56.19	57.54	56.78	26.9	26.1	33.2	30.2	24.8	25.5	27.8	35.1	24.4	89	94	57	80	93	95	84.7	17.3
28..	56.65	56.85	57.87	55.34	55.70	57.72	56.69	25.5	26	30.8	33	30	27.8	28.8	34.8	25.1	94	92	73	64	68	79	78.3	....
29..	56.39	56.57	57.54	55.79	55.85	57.86	56.67	26.4	25.8	31.8	32.2	29.6	27.5	28.9	34	25.6	89	93	70	68	75	88	80.5	7.1
30..	56.92	57.55	57.83	56.40	56.21	58.89	57.30	27.4	25.2	27.8	32.8	29	26.3	28.1	33	25	94	96	86	65	81	89	85.2	5.9
31..	58.23	58.45	59.43	57.93	57.28	58.69	58.34	25.5	25.2	30.6	27.5	27.9	26.3	27.2	32	25	93	96	74	90	91	95	89.8	15.7
Mean	57.98	58.38	58.96	56.94	57.25	59.01	58.09	26.4	25.8	31.9	32.9	29.1	27.1	28.9	34.5	25.5	90.3	92.8	68.1	64.8	78.5	87.3	80.3	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	103.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	ESE	ENE	E	E	Calm	26.8	66.6	73.8	10	177.2	1	....	Fr.-Cu. SE	0	....	....
2..	Calm	ENE	ENE	E	Calm	ENE	12.9	65.5	59.7	19.3	157.4	2	Ci.-S.	Fr.-Cu. E	0	....	....
3..	ENE	ENE	ENE	ENE	Calm	ENE	38.4	67.9	54.1	70.6	231	2	Ci.-S.	Fr.-Cu. E	3	Ci.-S.	Fr.-Cu. E
4..	ENE	Calm	ENE	ENE	Calm	ENE	39.1	67.8	47.3	41	195.2	4	Ci.-S.	Fr.-Cu. NE	1	....	Fr.-Cu. E
5..	ENE	ENE	ENE	E	E	E	44.3	75	71.4	50.5	241.2	3	....	Fr.-Cu. E	1	Ci.-Cu.	Cu. ESE
6..	E	NNE	ENE	NE	N	NE	38.4	64.4	52.1	42.4	197.3	7	Ci.-S.	Fr.-Cu. NE	1	Ci.	Cu. ENE
7..	NE	ENE	NE	ENE	N	Calm	42.3	55.2	57.6	11.5	166.6	2	....	Fr.-Cu. E	1	Ci.	Cu. E
8..	ENE	ENE	N	ENE	Calm	Calm	41.8	67.1	58.2	18.2	185.3	2	Ci.-S.	Fr.-Cu. E	3	Ci.-S.	Cu. E
9..	NNE	Calm	ENE	ENE	Calm	Calm	33.5	64.6	65.4	9.4	172.9	3	Ci.-S.	Fr.-Cu. E	1	Ci.-Cu.	....
10..	ENE	Calm	NE	ENE	Calm	Calm	29.2	42.6	44	16.3	132.1	9	A.-Cu.	....	5	Ci.-S.	Cu. E
11..	Calm	Calm	N	N	Calm	Calm	9.9	32.7	44	5.6	92.2	4	....	Fr.-Cu.	3	Ci.-S.	Cu. NNE
12..	Calm	Calm	N	NE	Calm	Calm	5.1	32.7	52.1	3	92.9	7	Ci.-S.	....	2	Ci.-S.	Cu. ENE
13..	Calm	Calm	ENE	NE	Calm	Calm	2.6	35.7	57.6	3	98.9	2	Ci.-S.	....	3	Ci.-S.	Cu. ENE
14..	Calm	Calm	ENE	NE	Calm	Calm	3.5	46.1	42.4	16.4	108.4	4	Ci.-S.	Cu.	5	Ci.-S.	Cu.-N. ENE
15..	Calm	Calm	N	N	Calm	Calm	2.6	19.3	30.1	3.7	55.7	10	Ci.-S.	....	9	Ci.-S.	Cu.
16..	Calm	Calm	N	NE	NE	Calm	4.6	30.1	45.7	3.5	83.9	7	Ci.-S.	Cu.	3	Ci.-S.	Cu.
17..	Calm	Calm	NNW	N	Calm	Calm	8.5	25.9	40.2	7	81.6	6	Ci.-S.	Fr.-Cu.	3	Ci.-S.	Cu.
18..	Calm	Calm	ESE	N	Calm	Calm	4.5	42.4	38.6	8.5	94	7	Ci.-S.	....	9	Ci.-S.	Cu.-N.
19..	Calm	Calm	N	ENE	Calm	Calm	5.1	38.8	53.3	8.2	105.4	9	Ci.-S.	....	4	Ci.-S.	Cu. E
20..	S	Calm	SSE	N	Calm	WSW	11.8	31.9	49.4	9.1	102.2	10	A.-S.	....	9	Ci.-S.	Fr.-Cu. NNE
21..	Calm	Calm	Calm	NNE	SE	Calm	9.9	19.8	51.7	5	86.4	10	A.-S.	....	5	Ci.-S.	Cu. NE
22..	Calm	Calm	E	ENE	Calm	Calm	11.6	48.9	38.6	5.3	104.4	3	Ci.	Fr.-Cu. S	7	Ci.-S.	Cu. E
23..	Calm	Calm	SSE	ENE	Calm	Calm	3.5	29.8	32.8	8.7	74.8	7	Ci.-S.	Cu.	7	Ci.-S.	Fr.-Cu. E
24..	Calm	Calm	NE	Calm	Calm	Calm	5.1	26.2	18.8	2.2	52.3	7	Ci.-S.	S.-Cu.	8	A.-S.	....
25..	Calm	Calm	Calm	SSW	Calm	Calm	4.3	34	23.8	5	67.1	2	Ci.-S.	....	8	Ci.-S.	Cu.-N. SW
26..	Calm	Calm	Calm	E	Calm	Calm	2.7	27.4	40.7	12.7	83.5	3	Ci.-S.	....	3	Ci.-S.	Fr.-Cu. E
27..	Calm	Calm	Calm	Calm	Calm	Calm	16.7	36.7	40.7	6.1	100.2	2	Ci.-S.	....	9	A.-Cu.	S.-Cu.
28..	Calm	S	S	SSE	Calm	Calm	19	50.5	44.5	20.6	134.6	9	A.-S.	....	9	Ci.-S.	Cu.-N. S
29..	Calm	Calm	SSE	E	Calm	Calm	5.6	35.1	47.7	4.8	93.2	8	Ci.-S.	....	7	Ci.-S.	Cu. E
30..	Calm	Calm	S	ENE	Calm	SSW	21.2	20.3	55.5	19.8	116.8	10	Ci.-S.	N. ENE	7	Ci.-S.	Cu. E
31..	Calm	Calm	S	Calm	Calm	Calm	9.7	27.7	19.9	5.3	62.6	10	A.-Cu.	....	10	Ci.-S.	Fr.-N. S
Mean	.....	.....	.....	.....	.....	.....	16.6	42.9	46.8	14.6	120.9	5.5	.....	.....	4.7	.....	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,747.3	.....	.....	.....	.....	.....	.....

CAPIZ

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6.7 meters; gravity correction not applied, —1.81 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.30	58.86	59.52	57.39	57.05	58.27	58.23	25.5	25.2	31.8	32.7	30.1	27.9	28.9	33.7	25	97	98	69	66	71	84	80.8	......
2..	57.56	57.49	57.96	56.25	56.11	57.79	57.19	27	26.9	32.4	33.5	29.9	26.8	29.4	33.9	26.4	90	91	69	56	67	86	76.5	......
3..	56.71	57.13	57.49	55.66	56.10	57.72	56.80	26.4	26.9	32.5	32.7	29.8	26.9	29.2	33.6	26.2	88	93	67	63	75	89	79.2	......
4..	56.83	57.35	57.67	56.10	56.51	57.97	57.07	25.9	25.6	32.5	33	29.8	27	29	33.6	25.3	90	92	69	61	73	86	78.5	......
5..	57.30	58.10	58.66	56.97	57.66	59.01	57.95	25.8	25	32.1	33.3	29.9	27.2	28.9	34.9	24.8	90	93	67	65	75	84	79	......
6..	57.97	58.70	59.20	57.44	58.49	59.44	58.54	26	26.2	30.5	32	25.7	25	27.6	33.7	24.8	87	90	74	66	88	91	82.7	3.3
7..	58.63	58.95	59.11	57.08	57.79	58.87	58.40	24.7	24.8	30.8	32.9	29.7	28	28.5	33.9	24.4	96	97	72	61	69	85	80	8.9
8..	58.20	58.05	58.29	57.24	56.46	57.80	57.67	24.5	24.7	30	25.9	25.8	25	26	31.2	24.3	96	94	73	91	93	95	90.3	24.2
9..	56.14	54.95	55.94	54.52	54.96	56.29	55.47	24.4	24	25	29.3	27	25.5	25.9	29.5	23.8	96	97	96	74	83	91	89.5	13.7
10..	55.99	55.70	56.26	55.46	55.80	57.13	56.06	24.5	24.4	25.7	26.5	25.6	25.7	25.4	26.8	24.2	95	97	90	86	93	90	91.8	2.8
11..	55.89	55.99	56.61	55.28	55.81	57.43	56.17	25	25.5	29.5	30	27.5	26.9	27.4	30.5	24.8	93	88	76	74	81	84	82.7	......
12..	56.09	56.18	57.47	56.14	56.48	58.50	56.81	25.9	25.5	30	29	27.2	25.8	27.2	34	25.3	90	92	75	78	79	85	83.2	8.6
13..	56.85	57.59	57.97	57.18	57.30	58.29	57.53	26.1	25	32	26.3	25.8	26	26.9	33.4	24.8	85	92	64	91	88	85	84.2	7.1
14..	57.46	57.80	58.08	56.61	56.95	58.64	57.59	25.8	25.1	32	31.5	28.2	26.5	28.2	33.4	24.8	87	93	66	70	85	86	81.2	3
15..	58.20	58.38	58.23	56.89	57.33	59.09	58.02	26.4	25.5	32	33.2	25.8	25.2	28	34	25	87	90	63	59	91	91	80.2	9.4
16..	58.19	58.28	58.96	57.40	58.06	59.23	58.35	25.7	25	32.5	32.4	26.8	26.2	28.1	34.7	24.8	93	97	63	64	82	86	80.8	......
17..	58.39	58.74	59.22	57.40	57.52	58.78	58.34	25.8	25.8	32.4	32.5	29.2	26.2	28.6	33.8	25.6	92	93	62	62	73	82	77.3	......
18..	57.90	57.74	58.50	56.51	57.32	58.15	57.69	25.3	25	31.8	33.1	27.5	25.9	28.1	33.9	24.7	88	92	62	60	74	88	77.3	......
19..	56.20	56.99	57.58	56.11	56.52	57.97	56.90	24.9	24.9	30.3	30.8	27	26.6	27.4	32.6	24.7	91	92	68	67	80	85	80.5	4.8
20..	57.37	57.63	57.84	57.01	57.42	58.75	57.67	25.6	24.5	29.4	29.8	27.7	25.8	27.1	30.7	24.3	91	94	72	69	79	91	82.7	......
21..	57.84	58.16	59.16	57.98	57.98	59.69	58.47	23.9	23.9	31.7	26.8	29	25.4	26.8	33.7	23.3	93	95	62	88	79	88	84.2	3.5
22..	59.04	59.11	59.47	57.89	58.17	59.56	58.87	24.5	24.1	31.4	33.2	30.1	27.3	28.4	34	23.8	92	95	63	58	71	81	76.7	......
23..	58.03	58.49	58.83	57.56	58.16	59.18	58.38	25.2	23.5	31.5	32.6	29.9	27.1	28.3	33.7	23.3	87	91	57	57	69	83	74	......
24..	58.13	58.51	58.14	56.81	57.57	59.10	58.04	26.1	24.7	32.7	32.5	27.3	26.2	28.2	33.8	24.5	89	95	58	60	77	78	76.2	......
25..	57.53	57.73	57.91	56.33	56.33	57.67	57.25	26.2	25.8	28.2	28.7	27.3	26.3	27.1	30.1	24.9	82	89	76	73	75	82	79.5	......
26..	56.61	56.85	57.38	56.07	55.94	57.63	56.75	25	24.7	25.7	29	26.2	24.6	25.9	29.2	24.1	85	88	88	74	82	89	84.3	3.8
27..	56.79	57.40	57.52	56.48	56.91	59.29	57.40	25	25	31	31.8	27.4	25.8	27.6	34	24.6	84	86	67	67	82	93	79.8	......
28..	58.58	58.77	59.17	57.73	58.09	59.81	58.69	24.2	23.8	32.1	32.2	30.1	26.9	28.2	33.3	23.6	95	97	61	66	74	86	79.8	1.3
29..	58.73	59.04	60.21	57.75	57.57	58.38	58.61	25.9	25.7	26.7	29.9	28.2	27.6	27.3	31	25.2	89	91	88	69	79	83	83.2	12.7
30..	57.10	57	57.31	55.77	55.34	55.74	56.38	26.6	26.4	29.8	30	28.1	26.2	27.8	30.6	25.5	89	94	79	73	84	95	85.7	21.3
Mean	57.48	57.72	58.19	56.70	56.99	58.37	57.58	25.5	25.1	30.5	30.9	28	26.3	27.7	32.6	24.7	90.2	92.9	70.5	68.9	79	86.7	81.4	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	128.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	ENE	NE	Calm	Calm	5	39.4	58.7	22	125.1	3	Ci.-S.	....	3	Ci.-S.	Cu. ENE
2..	Calm	Calm	E	E	Calm	Calm	14.2	56.3	53.3	3.4	127.2	3	....	Cu.	1	Ci.-S.	....
3..	Calm	Calm	NNE	NNE	Calm	Calm	4	38.1	34.9	4.3	81.3	7	Ci.-S.	Cu.	4	Ci.-S.	Cu. NE
4..	ENE	Calm	N	ENE	Calm	Calm	15.1	27.4	38.9	7.2	88.6	2	Ci.-S.	....	5	Ci.-S.	S.-Cu. E
5..	Calm	Calm	N	N	Calm	Calm	5.6	23.8	42.4	12.9	84.7	8	Ci.	....	8	Ci.-S.	Cu. NNE
6..	Calm	Calm	N	NW	Calm	Calm	8.7	36.4	47.3	28.6	116	10	Ci.-S.	N.	7	Ci.-S.	Cu.
7..	Calm	Calm	ENE	N	Calm	Calm	5.4	27.2	37.2	13.5	83.3	4	Ci.-S.	Cu.	8	Ci.-S.	Cu. NNE
8..	Calm	Calm	WNW	NNW	Calm	Calm	17.2	34.9	38	26.2	116.3	7	Ci.-S.	....	10	Ci.-S. ENE	N. N
9..	Calm	Calm	Calm	SSW	S	S	18.3	11.3	37.5	58.1	125.2	10	A.-S. WSW	....	10	Ci.-S. WNW	Cu. SW
10..	S	S	S	S	Calm	S	66.3	89.8	66	43.3	265.4	10	Ci.-S. W	....	10	A.-S. SW	....
11..	S	S	S	S	S	S	40.4	81.6	75.4	73.7	271.1	10	A.-Cu. SW	....	10	Ci.-S. W	S.-Cu. SSW
12..	S	S	S	W	S	SSE	72.1	81	55.3	66.2	274.6	10	A.-Cu. SW	S.-Cu. SSW	10	Ci.-S.	N. WNW
13..	S	Calm	SSE	W	Calm	S	48.1	52.6	37.5	48	186.2	8	A.-Cu.	....	10	Ci.-S.	N. WNW
14..	S	S	S	N	Calm	S	44.1	48.1	32.7	36.7	161.6	0	....	....	8	....	Cu.-N. NNE
15..	S	Calm	Calm	N	SE	Calm	26.4	84.1	48	26.4	134.9	0	....	....	7	Ci.-S.	Cu.-N. NNE
16..	S	Calm	S	WNW	S	S	25.7	41	59.5	34.1	160.3	3	A.-Cu.	....	2	....	Cu.-N. NW
17..	S	S	SSE	NNW	Calm	Calm	34.9	44.6	53.9	17.7	151.1	1	Ci.-S.	....	5	Ci.-S.	Cu. N
18..	Calm	S	S	NNE	Calm	Calm	18.2	34	54.1	13.9	120.2	2	Ci.-S.	....	8	Ci.-S.	Cu. NE
19..	Calm	Calm	SSE	N	S	S	12.9	25.4	40.4	30.4	109.1	9	A.-Cu.	....	10	A.-Cu.	....
20..	Calm	Calm	Calm	NNW	Calm	Calm	11.8	21.5	22.8	14.7	70.8	9	A.-Cu. SSW	....	10	Ci.-S.	Fr.-Cu. N
21..	Calm	Calm	N	SSE	Calm	Calm	12.4	30.6	45.3	15.8	104.1	0	....	....	10	Ci.-S.	N. S
22..	Calm	Calm	SSW	NW	Calm	Calm	8.2	29.6	62.2	14.8	114.8	1	Ci.	....	2	Ci.-S.	Cu. NNW
23..	Calm	Calm	N	NW	NW	SSE	11.9	33.3	65.2	18	128.4	2	Ci.-S.	....	9	Ci.-S.	Cu. NNW
24..	Calm	Calm	NNW	WNW	S	S	5.6	29.8	65.7	20.4	121.5	2	Ci.-S.	....	9	Ci.-S. NNE	Fr.-Cu. NW
25..	S	Calm	Calm	NW	Calm	Calm	25.4	17.1	25.5	16.1	84.1	10	A.-Cu.	....	10	A.-S.	....
26..	Calm	Calm	S	S	S	Calm	22	29.6	42	42.4	136	10	Ci.-S. W	N. SSW	10	Ci.-S. W	Fr.-Cu. SSW
27..	S	S	S	S	Calm	Calm	47	59.3	39.6	8.2	154.1	10	A.-S. SW	....	8	....	Cu. SSW
28..	Calm	Calm	S	NE	Calm	Calm	7.7	40	43.1	10.7	101.5	2	A.-Cu.	....	2	....	Cu. ENE
29..	Calm	Calm	S	W	W	W	11.3	32	56.8	39.1	139.2	7	Ci.-S.	Fr.-Cu. NW	1	Ci.-S.	....
30..	W	WNW	WNW	NW	NNW	Calm	42	69.4	52.1	19.3	182.8	10	Ci.-S.	N. NW	10	Ci.-S. NE	Fr.-Cu. NNW
Mean	......	......	......	......	......	......	22.9	40.6	47.7	26	137.3	5.5	....	....	7.2	....	....
Total	......	......	......	......	......	......	......	......	......	......	4,119.5	......	....	....	......	....	....

CAPIZ

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6.7 meters; gravity correction not applied, −1.81 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	54.58	54.79	55.85	53.80	54.24	55.56	54.80	25.6	25	25.6	28.5	26.5	25.5	26.1	29	24.8	95	96	97	82	88	84	90.3	8.7
2..	55.45	56.30	57.04	56.96	58.10	58.91	57.13	24.6	24.2	26.7	25.3	24.2	23	24.7	27.8	22.7	91	94	86	93	92	93	91.5	5.8
3..	58.43	58.81	59.83	58.49	59.67	61.07	59.38	23.5	24.3	30	32.5	26.8	26.2	27.2	33.1	22.8	92	95	73	58	86	89	82.2	......
4..	60.06	60.25	59.96	58.99	59.26	60.17	59.78	24.6	24	30.8	31.7	29.4	27.1	27.9	32.4	23.8	93	97	71	66	71	85	80.5	.3
5..	59.37	59.97	59.90	58.55	58.99	60.13	59.48	27.3	24	30.6	32.1	26.7	25.5	27.7	32.3	23.8	84	92	65	68	87	93	81.5	.3
6..	58.88	59.12	59.12	58.02	58.92	60.41	59.08	23.9	23.5	29.5	30.7	28.3	25.4	26.9	31.5	23.3	94	96	76	71	80	85	83.7	......
7..	59.49	60.07	60.98	59.70	59.98	61.11	60.22	23.9	23.4	30.7	30.7	28.1	25.8	27.1	32.7	23.3	91	94	66	69	82	93	82.5	......
8..	59.77	59.94	60.87	59.36	59.14	60.51	59.93	24.2	23.7	30.7	31.5	29	26.8	27.6	32.7	23.5	95	97	69	67	76	89	82.2	3.8
9..	59.01	59.14	59.78	57.94	57.83	59.36	58.84	27	26.6	31	32.7	29	26.6	28.8	32.9	26	91	93	74	65	76	90	81.5	23.6
10..	58.30	58.90	59.26	57.18	57.68	59.53	58.48	26	23.5	29.5	32.7	29.6	26.4	28	33.6	23.3	93	96	68	62	73	92	80.7	.8
11..	58.46	58.43	59.06	57.49	58.81	60.05	58.72	25	24.4	31.7	31.2	25.3	24.4	27	32.9	24.2	94	96	65	69	88	89	83.5	......
12..	58.79	59.60	60.13	58.29	58.30	59.95	59.18	24.4	24.5	30.2	32.4	29.6	26.7	28	33.4	23.8	92	96	74	64	73	89	81.3	2
13..	58.96	58.74	59.83	58.31	58.42	59.36	58.94	24.9	24.1	30.5	32.2	28.8	26.8	27.9	33.1	23.9	93	96	75	65	79	90	83	......
14..	58.51	59	59.19	57.88	58.07	59.41	58.68	25.2	24.2	31.5	32.5	29.5	25.9	28.1	33.2	24	92	94	66	66	73	88	79.8	......
15..	58.03	58.40	57.88	56.78	57.06	58.83	57.83	24.9	25.2	32.5	32.5	29.5	26.2	28.5	33.2	24.6	92	90	63	62	71	86	77.3	......
16..	57.80	57.98	58.13	56.60	57.69	58.79	57.83	25.9	24.6	29.7	31.2	26	24.4	27	32.5	24.2	88	95	77	68	86	92	84.3	......
17..	57.80	58.24	58.91	57.44	58.18	59.16	58.29	23.9	24	30.2	32.5	26.7	25.1	27.1	33	23.7	94	93	68	62	86	91	82.3	.5
18..	58.16	57.69	58.18	56.85	56.76	57.98	57.60	24.2	23.9	31.1	32.2	29.1	26.8	27.9	32.7	23.7	94	96	69	66	74	86	80.8	1.8
19..	57.22	56.95	57.46	55.83	55.82	57.24	56.75	25.5	25	29.4	29.9	28.2	26.5	27.4	30.9	24.8	93	96	78	73	80	76	82.7	3.6
20..	55.79	56.18	56.82	55.81	56.13	57.29	56.34	25.9	24.5	28.7	29.1	26.8	25.7	26.8	30	24.2	82	95	81	77	84	94	85.5	6.4
21..	55.31	55.89	56.48	55.54	56	57.59	56.14	24.9	24.4	27	26.8	25.6	24.2	25.5	29.4	23.8	96	97	91	92	91	94	93.5	16.7
22..	55.69	56.04	56.66	55.83	56.20	57.40	56.30	23.9	23.8	30.5	24.8	25.4	24.3	25.4	32	23.3	96	97	72	93	93	93	90.7	39.6
23..	55.84	56.15	56.77	55.39	55.60	57.33	56.18	23.5	23.5	29.7	27	25.3	25	25.7	30.8	23.3	98	97	73	88	93	92	90.2	2.1
24..	56.06	56.07	56.64	55.48	55.84	57.70	56.30	24.7	24.5	30	26.5	26.5	26.2	26.4	32.4	24.2	93	95	75	92	85	85	87.5	3
25..	56.43	56.79	57.42	55.82	56.18	57.38	56.67	25.4	24.9	29.9	30.4	26	25.4	27	32.2	24.6	89	91	73	72	92	94	85.2	12.7
26..	56.48	56.74	56.01	54.37	54.64	55.82	55.68	24.3	24.8	29.5	31.2	27	25.6	27.1	32.1	24	95	92	75	68	85	84	83.2	.8
27..	54.22	54.11	54.88	53.18	53.89	55.24	54.25	24.7	24.5	28.2	30.3	28.3	24.5	26.8	30.5	24	90	92	77	73	75	90	82.8	1.6
28..	54.37	54.53	56.19	54.84	54.34	55.68	54.99	25	25.5	26.8	28.4	26.7	25.5	26.3	28.6	24	89	88	83	76	80	86	83.7	2
29..	54.53	54.35	54.21	53.23	53.77	54.94	54.17	25.1	25.3	32.2	32.7	29.7	27.1	28.7	33.4	24.6	81	82	60	51	67	83	70.7	......
30..	53.83	54.04	53.81	52.98	53.04	54.84	53.76	26.2	24.6	32.8	33.8	30.3	27	29.1	35.8	24.4	86	91	54	50	68	85	72.3	......
31..	54.49	54.72	54.52	53.47	54.09	55.97	54.54	26.1	25.6	32.3	32.2	29.2	27.4	28.8	35.2	25.4	86	87	59	65	74	79	75	......
Mean	57.10	57.35	57.80	56.46	56.86	58.22	57.30	25	24.5	30	30.6	27.6	25.8	27.2	32.1	24	91.4	93.7	72.7	70.7	80.9	88.4	83	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	136.1

Day.	Wind. Direction.						Wind. Total movement in 6 hours.				Total movement in 24 hours.	Clouds. 6 a. m.			Clouds. 2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	Calm	W	Calm	S	.....	9.1	36	34.6	......	10	A.-S.	....	10	A.-Cu. NW	....
2..	S	Calm	S	S	S	S	49.3	25.2	35.6	33.6	143.7	10	Ci.-S. NW	Fr.-N. WSW	10	Ci.-S.	Fr.-N. SSW
3..	S	S	S	S	Calm	Calm	59	53.1	61.2	17.5	190.8	8	Ci.-S.	....	5	Ci.-S. SW	Cu. SSW
4..	Calm	Calm	N	N	N	Calm	5.4	24.3	45.1	11.9	86.7	8	Ci.-S.	....	2	Ci.-S.	Cu. NNE
5..	NNE	Calm	WNW	NNW	S	Calm	23	27.2	41.2	9.2	100.6	2	Ci.-S.	....	7	A.-Cu.	Cu. N
6..	Calm	Calm	E	N	Calm	Calm	5.9	19.9	37	13.5?	76.3	2	Ci.	....	9	Ci.-S.	Cu.-N. NNE
7..	Calm	Calm	N	NE	Calm	Calm	7.5?	17.4?	25.7?	4.2	54.8	10	Ci.-S.	....	9	Ci.-S.	Cu. ENE
8..	Calm	Calm	N	N	Calm	Calm	4.8	26.8	43.5	.....	......	1	Ci.-S.	....	4	Ci.-S.	Cu. NNE
9..	Calm	Calm	NNE	NNE	Calm	Calm	.....	39.7	40.4	3.7	......	8	Ci.-S.	Fr.-Cu. NNE	2	Ci.-S.	Fr.-Cu. NE
10..	E	E	Calm	N	Calm	Calm	22.5	25.2	30.9	9.1	87.7	10	A.-S. SE	....	4	Ci.-S.	Fr.-Cu. NNE
11..	Calm	Calm	ENE	NNE	Calm	Calm	6.4	29.3	37.3	10.5	83.5	9	Ci.-S.	....	7	Ci.-S.	Cu.-N. NE
12..	Calm	Calm	Calm	N	Calm	Calm	7.4	23.3	38.6	4	73.3	9	A.-Cu.	....	2	Ci.-S.	Cu. NNE
13..	Calm	Calm	NW	Calm	Calm	Calm	17.4	32	33.2	2.7	85.3	3	Ci.-S.	Cu. NNE	9	Ci.-S.	Cu. NNW
14..	Calm	Calm	N	N	Calm	Calm	5.6	27.9	37.8	14.8	86.1	1	Ci.-S.	....	3	Ci.-S.	Fr.-Cu. NNE
15..	Calm	S	Calm	N	Calm	Calm	32	36.2	45.7	20.3	134.2	9	Ci.-S.	....	3	Ci.-S.	Cu. NNE
16..	Calm	Calm	Calm	N	Calm	SE	11	19	41.6	15	86.6	6	Ci.-S.	....	9	Ci.-S.	Cu. NNE
17..	Calm	Calm	Calm	N	S	Calm	12.1	22.2	54.5	18.5	107.3	5	Ci.-S.	....	7	Ci.-S.	Cu. NNE
18..	Calm	Calm	N	NNW	Calm	Calm	3.2	29	39.7	2.9	74.8	6	Ci.-S.	....	2	Ci.-S.	Fr.-Cu. N
19..	Calm	Calm	Calm	NNW	NNW	NNE	10.5	16.6	43.7	29.3	100.1	8	Ci.-S.	S.-Cu.	10	Ci.-S. ENE	Fr.-Cu. N
20..	Calm	Calm	NE	N	NNW	Calm	10.2	25.1	42.1	11.6	89	7	A.-Cu.	....	10	Ci.-S.	Fr.-Cu. NNE
21..	Calm	Calm	Calm	Calm	Calm	Calm	5.4	12.6	18	21.1	57.1	10	A.-S.	....	10	A.-S. SE	....
22..	Calm	SSE	S	Calm	Calm	Calm	10.5	40.8	21.1	18.7	91.1	6	Ci.-S.	....	10	Ci.-S.	N.
23..	Calm	Calm	Calm	S	Calm	S	2.4	25.7	31.1	19.1	78.3	9	Ci.-S.	....	10	Ci.-S.	N. SSW
24..	Calm	Calm	SSW	Calm	Calm	S	16.7	43.3	27.1	30.9	118	4	A.-Cu.	....	9	A.-Cu.	S.-Cu.
25..	Calm	S	S	Calm	Calm	Calm	20.3	46.4	19.9	11.8	98.4	9	A.-Cu. SW	....	10	Ci.-S.	S.-Cu. N
26..	Calm	Calm	S	SSE	S	Calm	13.4	26.4	32.4	12.1	84.3	9	Ci.-S.	....	10	Ci.-S. WSW	S.-Cu. S
27..	Calm	Calm	S	SW	Calm	Calm	11.6	23.6	29.3	21.2	85.7	10	A.-S. SW	....	10	A.-Cu. W	....
28..	SSW	Calm	SSW	S	Calm	Calm	34.8	35.9	36.7	14.8	122.2	10	A.-Cu. WSW	....	10	A.-S. SW	....
29..	Calm	SSW	SSW	WSW	Calm	SW	17.2	33.6	51.5	24.6	126.9	9	A.-Cu. WSW	Fr.-Cu. SW	8	A.-Cu. WNW	Fr.-Cu. W
30..	Calm	Calm	SW	SW	SW	Calm	13.4	30.3	50.9	29.8	124.4	6	A.-Cu. W	....	3	A.-Cu. W	Fr.-Cu. WSW
31..	Calm	Calm	SW	SW	SW	SW	25.2	44.6	57.1	66	192.9	6	Ci.-S. NW	....	8	Ci.-S. NW	Cu. WSW
Mean	....	....	....	....	....	....	16	28.8	38.3	17.9	101.4	7.1	....	....	7.2	....	....

CAPIZ

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6.7 meters; gravity correction not applied, —1.81 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	mm.
1..	55.13	55.14	55.46	54.03	54.91	56.47	55.19	27	27	33.2	34	29.2	27.3	29.6	35.5	26.8	82	83	57	54	72	81	71.5	......
2..	55.64	56.02	56.36	55.21	55.73	56.95	55.98	26.2	25.5	29.6	31.6	26.3	26.5	27.6	32	25.3	82	84	74	68	92	90	81.7	5.8
3..	55.87	56.19	56.57	54.81	55.51	56.70	55.94	25.6	25.6	27.8	30.2	27.8	25.9	27.2	31.1	25.3	88	88	83	71	79	85	82.8	2.3
4..	55.51	55.92	56.24	54.66	56.16	57.73	56.04	24.8	24.2	28	29.2	24.8	24.4	25.9	29.9	24	88	91	77	80	95	95	87.7	21.8
5..	56.20	56.19	57.06	55.34	55.63	56.54	56.16	24.1	24.7	27.2	31.9	27.5	27.8	27.2	32.7	23.9	97	98	82	64	84	81	84.3	3.8
6..	55.60	55.48	56.71	54.91	55.28	55.70	55.61	26	26.5	28.5	31.8	27	25.8	27.6	32.7	25.5	84	85	83	64	79	86	80.2	......
7..	54.69	54.18	54.12	52.92	53.46	55.78	54.19	26.6	27.3	31.6	31.7	29	27	28.9	34.2	25.6	80	75	61	59	67	83	70.8	.5
8..	53.83	53.19	54.01	52.93	53.38	56.28	53.94	25.4	26.5	32.9	32.5	27.8	25	28.4	34.7	24.5	88	86	56	55	76	92	75.5	7.8
9..	53.75	54.08	54.95	53.45	54.47	56.02	54.45	25.1	25	32.5	31.8	28.1	25.9	28.1	33.9	24.5	94	95	58	61	74	85	77.8	.3
10..	54.37	54.69	54.93	53.48	54.86	55.66	54.66	25.8	25.8	31.6	33.7	27.9	26.4	28.5	34.3	25.5	86	85	63	48	74	81	72.8	......
11..	54.69	54.55	54.94	53.48	54.02	55.72	54.57	26.1	25.5	29.5	33.3	28.9	25.5	28.1	34.3	25.3	82	84	68	50	65	84	72.2	.3
12..	54	54.34	55.15	53.55	54.45	56.22	54.62	26.6	26.7	32.2	33.3	28.7	26.8	29	34.2	25.7	74	71	51	51	73	80	66.7	......
13..	55.59	55.49	56.02	54.95	56	57.68	55.96	26.8	26.5	31.7	31.4	28	26	28.4	34.2	24.9	80	82	62	62	76	89	75.2	.3
14..	56.83	57.38	57.84	56.33	57.08	58.39	57.31	24.6	26.3	29.9	30.5	28.7	26	27.7	31.1	24.4	93	84	69	68	71	79	77.3	......
15..	57.57	57.30	57.39	56.47	57.33	59.11	57.53	26.2	25.7	31.9	29.3	29	24.2	27.7	33.4	24	82	88	62	78	76	94	80	10.7
16..	58.31	58.36	58.91	57.72	58.57	59.66	58.59	24.2	24.3	31.8	29.5	27.8	26.2	27.3	33.3	23.9	93	92	64	74	82	90	82.5	......
17..	58.70	58.69	58.97	57.19	57.93	59.12	58.43	24.8	24.5	31.5	32.4	29.5	27.2	28.3	33.8	24.3	92	93	62	58	64	78	74.5	......
18..	58.22	58.13	58.11	56.25	56.81	58.73	57.71	25.4	24.5	31.9	32.5	29.7	27.8	28.6	34	24.3	88	92	59	55	68	71	72.2	......
19..	56.62	56.95	57.57	56.12	55.92	57.02	56.70	27.1	26.6	31	30.7	28.4	26.1	28.3	31.9	25.1	77	79	62	59	71	72	70	......
20..	54.90	55.06	56.31	55.37	56.52	58.38	56.09	24.5	24.5	26.7	28.5	26.2	24.7	25.8	29	24.2	83	85	83	78	80	94	83.8	5.1
21..	57.55	58.11	58.19	56.68	57.42	59.12	57.84	24.6	24.9	28.2	31.4	29	26.8	27.5	34.1	24.5	95	87	77	64	74	82	79.8	......
22..	58.20	58.68	58.66	56.94	57.22	59.29	58.16	25.2	24.2	32.5	33	28.9	25.9	28.3	33.6	24	90	96	58	60	76	87	77.8	......
23..	57.69	57.67	58.25	56.01	56.01	58.06	57.28	24.6	23.5	31	34.1	29.6	27.1	28.3	34.3	23.3	91	94	55	48	59	70	69.5	......
24..	57.07	56.25	57.11	54.87	56.04	57.31	56.44	25.1	24.9	32.3	33.9	30	27.1	28.9	35.1	24.7	86	89	54	43	62	77	68.5	......
25..	56.14	56.54	56.75	55.11	55.88	8.36	56.46	25.8	25.3	32.2	32	28.3	27	28.4	33.2	25.1	84	88	62	63	79	83	76.5	......
26..	57.63	56.82	58.10	58.28	58.05	60.14	58.17	26	26.1	30.8	23.3	24.4	24.2	25.8	33.4	23	84	83	64	85	92	97	84.2	56
27..	59.17	59.40	59.23	57.62	58.13	59.25	58.80	23	23.8	29.6	30.8	27.7	25.1	26.7	31.6	22.5	97	96	72	65	83	94	84.5	4.8
28..	57.33	57.92	57.83	55.94	56.41	58.41	57.31	24.4	23.7	30.8	32.3	29	26.5	27.8	33.1	23.4	96	97	64	58	68	90	78.8	1.8
29..	56.10	55.90	56.24	55.33	56.78	57.30	56.28	25	24.1	28.8	28.8	24.6	23.7	25.8	29.9	23.5	92	92	76	70	91	92	85.5	4.6
30..	56.09	55.56	57	56.23	56.41	57.70	56.50	23.6	23.1	29	25.6	25	25	25.2	29.8	22.9	93	95	68	79	89	88	85.3	13
31..	57.17	57.01	57.08	54.95	56.36	57.98	56.76	24.5	23	27.1	31.3	27.8	24.7	26.4	32.7	22.8	92	96	76	64	79	86	82.2	.6
Mean	56.33	5 .36	56.84	55.39	56.09	57.64	56.44	25.3	25.2	30.4	31.2	27.9	26	27.7	32.9	24.4	87.5	88.2	66.5	63.1	76.5	85	77.8	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	139.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	Km.	Km.	Km.	Km.	0–10			0–10		
1..	SW	SW	SW	WSW	WSW	WSW	65	66.6	59.7	36.4	227.7	5	A.-Cu. W	....	4	Ci.-S. NNW	Fr.-Cu. W
2..	Calm	WSW	SW	Calm	Calm	SW	24.4	41	32.4	19	116.8	10	Ci.-S. NNW	Fr.-Cu. W	10	Ci.-S.	Fr.-Cu. WSW
3..	Calm	SSW	Calm	SSW	S	SSE	19.9	16.7	42.8	36.4	115.8	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	Fr.-Cu. SW
4..	Calm	Calm	Calm	SW	Calm	Calm	18	23.3	44.1	12.6	98	10	Ci.-S.	S.-Cu. SSW	10	Ci.-S. NW	Fr.-Cu. WSW
5..	Calm	Calm	Calm	SW	SSW	SSW	7.7	28.8	51	57.7	145.2	10	Ci.-S. NNE	S.-Cu. NW	6	A.-Cu. W	....
6..	SSW	SSW	SW	SSW	SW	Calm	32.8	42.1	57.6	28.5	161	10	Ci.-S. WNW	S.-Cu. SW	10	Ci.-S. WNW	S.-Cu. SW
7..	Calm	SSW	SSW	SW	SW	SSW	43.1	64.9	56	43.8	207.8	10	Ci.-S. WNW	S.-Cu. SW	10	Ci.-S. NW	Fr.-Cu. WSW
8..	Calm	SSW	SSW	WSW	SW	Calm	15.9	49.9	55.5	28.8	150.1	8	Ci.-S. WNW	Fr.-Cu. SW	8	Ci.-S. NNW	Fr.-Cu. W
9..	SW	Calm	SW	SW	SW	Calm	21.5	43.1	57.4	18.8	140.8	10	A.-Cu. W	....	8	Ci.-S. NW	Fr.-Cu. WSW
10..	Calm	Calm	SW	SW	SW	Calm	15	31.4	59.5	21.1	127	10	Ci.-S.	S.-Cu. WSW	8	Ci.-S. NW	....
11..	Calm	Calm	SW	SW	SSW	Calm	20.3	41.3	52.1	36.2	149.9	10	A.-S. W	....	8	Ci.-S. NW	Fr.-Cu. WSW
12..	SW	SW	SSW	SSW	SSW	Calm	48.3	64.6	71.9	30.9	215.7	10	Ci.-S. NW	Fr.-Cu. WSW	7	Ci.-S. WNW	Fr.-Cu. SW
13..	Calm	SSW	SSW	SSW	SSW	Calm	38.6	67	61.5	38.1	205.2	10	Ci.-S. WNW	S.-Cu. SW	10	Ci.-S. WNW	N.-cf. SW
14..	SSW	SSW	S	S	Calm	SSW	55.5	51.2	40.8	31.7	179.2	8	Ci.-S. WNW	S.-Cu. SW	10	Ci.-S. W	Fr.-Cu. SSW
15..	SSW	SSW	SW	SW	SW	Calm	32	34.4	36.4	20.4	123.2	7	A.-Cu. WSW	....	4	A.-Cu.	Fr.-Cu. WSW
16..	Calm	S	SSW	SSW	Calm	Calm	18.3	48.8	35.7	11.8	114.6	1	Ci. WNW	....	8	A.-S. WSW	....
17..	Calm	WSW	WSW	W	W	Calm	13.2	40.8	78.7	23	155.7	0	Ci.	....	8	A.-Cu. NW	....
18..	Calm	Calm	WNW	WNW	WNW	WNW	6.9	54.2	95.2	60	216.3	1	Ci.	....	4	Ci.-S. NNE	Cu. NW
19..	WNW	WNW	WNW	WNW	WNW	W	46.5	82.9	95	45.9	270.3	8	Ci.-S. NNE	....	10	Ci.-S. NNE	....
20..	Calm	Calm	SW	SSW	SSW	Calm	14.8	26.2	38.8	16.7	96.5	10	Ci.-S. NNW	Fr.-Cu. W	10	Ci.-S. WNW	S.-Cu. SW
21..	Calm	SSW	SSW	SSW	Calm	Calm	31.9	62	43.5	18	155.4	10	Ci.-S. WNW	Fr.-N. SW	7	A.-Cu. WSW	Cu. SW
22..	Calm	Calm	Calm	NW	S	Calm	11.1	27.2	51.5	11.6	101.4	1	....	Fr.-Cu. SW	2	....	Cu. N
23..	Calm	Calm	WNW	WNW	WNW	Calm	8.5	32.8	101.4	35.4	178.1	8	A.-Cu.	....	1	Ci. NE	Cu. NW
24..	Calm	Calm	WSW	WSW	Calm	Calm	12.7	33.6	75.8	21.2	143.3	10	Ci.-S.	....	7	Ci.-S. NNW	Fr.-Cu. W
25..	Calm	Calm	SSW	Calm	SSW	S	17.5	38.4	48	58.7	162.6	5	Ci.-S. WNW	....	10	Ci.-S. WNW	Cu. SW
26..	S	S	S	S	Calm	Calm	49.6	70.5	38.4	12.3	170.8	10	Ci.-S. W	S.-Cu. SSW	10	Ci.-S. W	N. SSW
27..	Calm	Calm	Calm	W	Calm	Calm	9.5	31.6	42.4	12.9	96.4	7	A.-Cu.	....	8	Ci.-S. N	Cu.-N. WNW
28..	Calm	Calm	W	W	W	WSW	7.4	32.2	71.4	43.5	154.5	9	Ci.-S.	....	8	Ci.-S. N	Cu. WNW
29..	Calm	Calm	Calm	WSW	WSW	Calm	12.4	11.8	34.6	16.6	75.4	9	A.-Cu.	....	10	A.-S. WNW	....
30..	Calm	Calm	WSW	Calm	Calm	SSW	22.7	40.4	27.6	45.3	136	10	A.-S. WNW	....	10	Ci.-S.	Fr.-N. W
31..	SSW	Calm	SSW	SSW	SSW	SSW	30	48.3	54.5	33.5	166.3	10	Ci.-S. WNW	Fr.-N. SW	8	Ci.-S. WNW	Cu. SW
Mean	......	......	......	......	......	......	24.9	43.5	55.2	29.9	153.5	8	....	....	7.9	....	....
Total	......	......	......	......	......	......	......	......	......	......	4,757	......	....	....	......	....	....

CAPIZ

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6.7 meters; gravity correction not applied, −1.81 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	mm.
1..	56.55	56.55	57.18	55.49	56.22	58.55	56.76	24.3	24	30.8	32.2	28.7	25.4	27.6	33.1	23.7	86	87	67	56	76	87	76.5	......
2..	57.61	58.11	58.63	57.49	58.31	60.09	58.37	24.3	24.5	31	28.5	27.5	25.4	26.9	33.7	24.1	93	92	61	74	78	92	81.7	1.8
3..	58.98	59.28	59.85	58.31	59.28	60.58	59.38	24.8	23.8	30.9	30.8	28.3	27	27.6	32.6	23.6	94	97	67	73	77	83	81.8	......
4..	59.38	59.61	60.05	58.54	58.71	60.18	59.41	25.4	24.5	31.3	31.7	28.5	26.2	27.9	32.5	24.3	89	94	71	68	81	91	82.3	......
5..	58.63	58.87	59.36	57.35	57.98	59.48	58.61	26.7	26.7	31	31.1	28.8	24.7	28.2	32.5	24.2	89	90	71	69	76	95	81.7	52.9
6..	57.92	58.05	58.99	57.01	56.94	57.93	57.81	23.9	24	30.2	31	28.1	27.4	27.4	31.6	23.5	96	97	72	66	80	87	83	19.8
7..	56.70	57.34	57.60	56.48	56.22	58.09	57.07	25	23.5	26.8	29.5	27.1	24.9	26.1	29.7	23.3	92	96	85	75	87	88	87.2	......
8..	56.71	56.94	57.91	56.62	57.17	58.30	57.28	24.5	24.5	27	28.3	25.9	24.6	25.8	28.6	24	92	93	88	82	88	90	88.8	......
9..	57.39	57.87	59	56.52	57.43	58.59	57.80	24.2	23.8	26.6	29.3	24.5	23.5	25.3	29.7	23.3	93	96	87	73	90	95	89	2.1
10..	57.29	57.48	58.41	55.78	56.80	57.04	57.13	23.5	23	26.8	27.7	25.5	24.2	25.1	28.5	22.7	96	97	78	79	93	96	89.8	6
11..	56.10	55.97	56.93	55.48	54.55	56.27	55.88	23.4	23.8	25.7	26.2	25.2	24.4	24.8	26.5	23.2	97	97	94	89	92	97	94.3	26
12..	55.17	54.87	55.59	53.89	54.66	55.51	54.95	23.4	23.3	26.9	29	25.6	25	25.5	29.2	23.1	97	97	86	74	87	88	88.2	......
13..	54.79	55.34	55.87	54.58	55.74	56.94	55.54	24.3	23.9	27.9	26.6	25	24.5	25.4	30.2	23.6	91	92	79	87	95	96	90	3.1
14..	56.49	57.24	57.39	55.86	56.33	57.91	56.87	24.4	24	30.2	27.7	26.6	25.1	26.3	31	23.8	97	97	71	84	90	94	88.8	3.8
15..	57.35	57.55	58.02	56.58	56.90	58.68	57.51	24.7	23.8	29.5	25.4	25.7	24.9	25.7	30.9	23.6	96	97	75	91	94	92	90.8	22.4
16..	57.50	58	58.63	56.53	58.06	59.36	58.01	23.7	23.9	30.2	29.7	25.6	25.5	26.4	31.6	23.3	96	95	72	74	89	92	86.3	......
17..	58.54	59.14	60.46	58.33	59.26	60.47	59.37	24.6	24.3	25.8	26.7	26.3	25	25.4	27.5	23.8	97	97	94	86	91	95	93.3	30.5
18..	59.85	60.63	60.27	59.07	59.57	60.58	60	24.5	23.7	28.5	30.1	27	25.7	26.6	30.5	23.2	96	97	75	68	83	93	85.3	2.8
19..	59.65	60	60.47	58.26	58.74	60.01	59.52	23.9	23.7	29.6	30.7	27.6	27.2	27.1	31.4	23.5	96	97	71	69	81	85	83.2	1
20..	58.68	59.23	59.57	57.40	57.98	59.78	58.77	25.3	24.8	30.2	31.5	28	27	27.8	32.1	24.6	92	94	71	66	81	88	82	64.3
21..	58.94	59.93	60.03	57.22	58.02	60.12	59.04	24.8	23.3	29.4	31.2	27.9	26.7	27.2	31.7	23.1	95	97	78	71	82	90	85.5	38.9
22..	59.03	59.47	60.26	58.03	58.14	59.56	59.08	24.9	25.8	30.2	31.2	27.9	27.5	27.9	31.4	24.4	94	92	74	74	83	82	83.2	.5
23..	58.88	59.25	60.07	58.15	58.43	59.89	59.11	26.5	26	30.5	31	27.4	25.6	27.8	32	25.3	85	87	70	65	81	92	80	......
24..	59.01	58.95	59.96	58.27	58.58	59.79	59.09	24.6	24.3	29.8	30.7	27.6	26	27.2	31.4	24.1	90	89	68	64	76	93	80	2.5
25..	58.44	58.93	59.86	58.09	58.16	60.10	58.93	26	26.1	30.7	31.1	27.6	27.4	28.2	32	25.8	90	87	73	71	89	87	82.8	3.3
26..	58.92	59.29	60.30	58.22	58.26	59.88	59.14	27	26.6	30.8	32	27.8	26	28.4	32.5	25.5	87	88	73	66	84	92	81.7	......
27..	58.92	59.08	60	58.06	58.29	59.66	59	25.4	24.5	30.5	31.2	28	26.7	27.7	31.9	24.3	93	93	67	66	76	86	80.2	14.5
28..	58.51	58.71	59.60	57.37	58.16	59.32	58.61	24.8	25	29.7	31.4	27.6	25.9	27.4	31.8	24.3	96	94	75	66	83	89	83.8	1.5
29..	58.78	59.06	59.43	57.17	58.07	59.31	58.64	25.4	24.7	29.5	31.3	27.8	26	27.4	32.2	24.5	93	96	75	67	84	92	84.5	2
30..	58.44	59.31	59.58	57.20	57.71	58.75	58.50	25.1	24.3	28.6	30.8	27.6	25.8	27	31.6	24.1	94	96	79	67	80	90	84.3	6.9
Mean	57.97	58.34	58.98	57.11	57.62	59.02	58.17	24.8	24.4	29.2	29.9	27.1	25.7	26.8	31.1	23.9	93.1	93.9	75.6	72.7	84.2	90.6	85	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	306.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	Km.	Km.	Km.	Km.	0–10			0–10		
1..	Calm	SSW	S	S	Calm	Calm	33.5	69	36.2	20.1	158.8	5	A.-Cu. WSW	....	5	Ci.-S. W	Cu. SSW
2..	S	Calm	S	W	Calm	Calm	39.9	44	43.8	10.5	138.2	7	Ci.-S. W	....	5	Ci.-S. N	Cu. WNW
3..	Calm	Calm	Calm	N	WNW	Calm	14	24.6	52.5	27.6	118.7	9	Ci.-S.	....	7	Ci.-S.	Fr.-Cu. N
4..	Calm	Calm	Calm	NNW	Calm	Calm	7.2	24.9	44.1	6.6	82.8	2	Ci.-S.	....	1	Ci.	Fr.-Cu. N
5..	NNW	Calm	NN W	NW	Calm	WNW	30.3	54.2	39.2?	20.3	144	9	Ci.-S. ENE	S.-Cu. N	8	A.-Cu. NE	Fr.-Cu. NNW
6..	Calm	Calm	WNW	WNW	Calm	Calm	16.3	35.9	52.5	23.9	128.6	7	A.-Cu. NNW	S.-Cu. NW	4	Ci.-Cu. N	Fr.-Cu. NW
7..	WNW	Calm	Calm	WNW	Calm	Calm	31.6	16.9	27.6	11.8	87.9	10	Ci.-S.	....	10	Ci.-S.	Fr.-Cu. NW
8..	Calm	Calm	SW	Calm	S	S	6.6	15	23.6	39.9	85.1	10	Ci.-S.	....	10	A.-S.	....
9..	S	Calm	Calm	Calm	Calm	Calm	23.9	11.5	29	20.6	85	10	A.-Cu.	....	10	Ci.-S.	Fr.-Cu. SSW
10..	Calm	Calm	Calm	Calm	Calm	Calm	2.4	11	13.7	14.3	41.4	9	A.-Cu.	....	10	A.-S.	....
11..	Calm	Calm	Calm	Calm	Calm	Calm	9.1	9.9	16.3	10	45.3	10	Ci.-S.	N.	10	A.-S.	....
12..	Calm	Calm	Calm	SW	SSW	SSW	5	16.1	25.1	48.9	95.1	10	A.-Cu. NW	....	10	A.-Cu. W	....
13..	Calm	Calm	SSW	Calm	Calm	Calm	17.5	24.9	18.5	6.1	67	10	A.-S. WSW	....	10	Ci.-S.	N. SW
14..	Calm	Calm	Calm	Calm	Calm	Calm	5.4	33	21.5	21.2	81.1	8	A.-Cu. SW	....	8	A.-Cu.	....
15..	Calm	Calm	S	Calm	Calm	S	11	26.8	17.2	21.7	76.7	9	A.-S. W	....	10	Ci.-S.	N. WSW
16..	Calm	Calm	Calm	NNW	SSE	Calm	11	26	52.1	24.6	113.7	6	Ci.-S.	....	10	Ci.-S. ENE	Cu.-N. N
17..	Calm	Calm	SSE	Calm	Calm	Calm	4	19.3	16.7	6.1	46.1	8	Ci.-S.	....	10	Ci.-S.	Fr.-Cu. W
18..	Calm	Calm	NW	NNE	Calm	Calm	19.6	35.1	35.7	11.3	101.7	8	Ci.-S.	....	8	Ci.-S. ESE	Fr.-Cu. NE
19..	Calm	Calm	E	N	Calm	NNE	6.7	30	36.7	18.7	92.1	2	Ci.-Cu.	....	1	....	Cu. N
20..	Calm	Calm	ENE	ENE	Calm	Calm	15.6	40.8	39.2	14	109.6	4	Ci.	Cu. ENE	1	Ci.-S.	Cu. E
21..	Calm	NE	NE	NE	Calm	Calm	26.9	30.4	43.1	11.9	112.3	10	Ci.-S.	N. ENE	7	Ci.-S. SE	Cu. ENE
22..	Calm	NE	NE	NE	Calm	ENE	20.1	69.5	55	33.5	178.1	6	Ci.-S. SE	Fr.-Cu. ENE	8	Ci.-S.	Fr.-Cu. ENE
23..	ENE	ENE	E	ENE	Calm	Calm	33.2	44.6	37.3	1.9	117	4	A.-Cu. ESE	Fr.-Cu. E	3	....	Fr.-Cu. E
24..	Calm	Calm	NNE	NE	Calm	Calm	15	37	36.4	18.7	107.1	3	Ci.-Cu.	Cu.	2	Ci.-S.	Fr.-Cu. ENE
25..	Calm	NE	NNE	N	N	NE	28.4	48.8	47.5	46.7	171.4	3	Ci.-S.	Fr.-Cu. NE	7	Ci.-S.	N.-cf. NNE
26..	NE	NE	NE	NE	Calm	Calm	38	59.7	40	4.3	142	8	Ci.-S.	Fr.-Cu. ENE	1	Ci.	Fr.-Cu. ENE
27..	Calm	Calm	NE	N	Calm	Calm	6.1	32.8	36.7	17.5	93.1	2	Ci.-Cu.	Fr.-Cu.	3	Ci.-S.	Fr.-Cu. NNE
28..	Calm	Calm	NE	NE	Calm	Calm	7.4	36.5	33	6.4	83.3	3	Ci.-S.	S.-Cu. NE	2	Ci.-S.	....
29..	Calm	Calm	ENE	ENE	Calm	Calm	10.5	29	36.5	5	81	10	A.-S.	....	2	Ci.-S.	Cu. E
30..	Calm	Calm	NE	NE	Calm	Calm	9.2	27.9	41.5	3.7	82.3	2	Ci.-S.	Cu.	1	....	Fr.-Cu. ENE
Mean	......	......	......	......	......	......	16.8	32.8	34.9	17.6	102.2	6.8	....	....	6.1	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	3,066.5	....	....	....	....	....	....

CAPIZ

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6.7 meters; gravity correction not applied, —1.81 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.82	58.41	59.23	56.99	57.86	59.16	58.24	25.8	24.5	30.5	31	27.5	25	27.4	31.5	24.2	92	96	75	65	78	88	82.3	4.6
2..	57.28	57.65	58.64	55.98	56.41	58.22	57.36	24.1	24.1	27.8	30.6	27.6	26.1	26.7	31.1	23.6	95	96	84	72	84	89	86.7	2.8
3..	57.15	57.76	58.23	56.20	56.76	58.37	57.41	24.2	23.8	31.3	31.1	28	25.3	27.3	32.4	23.6	95	97	63	69	84	89	82.8	......
4..	57.35	58.25	58.85	56.56	57.16	58.68	57.81	24.3	23.7	31.1	31.7	28.6	26.1	27.6	32.5	23.5	92	95	62	68	82	85	80.7	......
5..	57.59	57.84	58.81	55.96	57.29	58.22	57.62	25.1	24.4	30.7	31.6	27.3	25.6	27.4	32.8	24.2	92	96	67	72	86	91	84	......
6..	57.21	57.71	58.68	56.66	57.50	58.73	57.75	25	24.3	31.5	30	25.5	24.3	26.8	31.6	23.9	93	96	66	78	88	93	85.7	20.1
7..	57.77	58.60	59.29	56.85	57.68	59.28	58.24	24.6	24.1	29.2	29.4	26	25	26.4	30.4	23.6	92	97	78	81	91	98	89.5	13.7
8..	57.50	57.66	58.24	56.18	56.79	57.89	57.38	24.2	23.4	29.1	23.9	24.5	23.7	24.8	30.5	23.2	97	97	77	95	97	98	93.5	82.5
9..	56.60	56.62	57.47	55.65	56.33	57.78	56.74	23.5	24.2	28.5	29.7	25.1	25.1	26	30.9	23.3	98	93	76	82	92	92	88.8	.8
10..	57.15	57.51	58.59	56.56	56.99	58.51	57.55	24.1	24	27.2	29.7	26.8	25.6	26.2	31.6	23.3	94	96	83	80	90	92	89.2	1.5
11..	58.08	58.46	59.10	57.61	58.74	59.84	58.64	25.2	25	29.5	30.6	27	25.7	27.2	32	24.8	90	88	78	69	75	90	81.7	5.1
12..	59.20	60.32	61.52	58.82	59.39	60.63	59.98	25	24.6	25.5	29.7	26.6	25.2	26.1	30.2	24.4	92	95	94	70	87	93	88.5	24.9
13..	59.10	59.50	60.34	58.10	58.75	59.20	59.16	26.8	27.1	31	30.7	28.5	26.3	28.4	31.4	25	90	87	72	70	81	82	80.3	11.2
14..	57.15	57.10	56.79	52.52	53.06	54.95	55.26	26	25.5	26	25.5	25.7	25.5	25.7	26.9	24.5	85	90	92	95	92	88	90.3	53.1
15..	54.32	55.20	56.29	54.67	55.73	57.39	55.60	24.6	24.7	27.7	28.4	26	24.7	26	28.9	24.1	86	84	73	76	84	92	82.5	1.1
16..	56.90	57.70	57.73	55.91	57.34	58.98	57.43	24.4	24	30	31.6	26.6	25.1	27	32.7	23.4	92	93	71	63	88	94	83.5	......
17..	57.78	58.40	58.91	57.18	57.54	58.98	58.13	24.1	24.1	31.5	26.4	24.6	24.4	25.8	32.9	23.6	94	95	65	91	92	95	88.7	20.6
18..	57.79	57.95	58.50	56.10	57.03	58.47	57.64	23.9	24.1	31	32.5	28	25.4	27.5	32.9	23.7	96	97	70	60	82	89	82.3	......
19..	57.51	58	58.58	56.06	56.93	58.58	57.61	24.4	23.9	31	30.6	28.8	28	27.8	32.3	23.7	93	96	61	66	73	70	76.5	10.2
20..	57.50	58.60	59.71	57.04	58.59	59.71	58.52	26	24.7	25.8	28	24.9	25	25.7	28.9	23.4	83	92	89	79	93	96	88.7	13.9
21..	58.46	59.40	60.75	58.53	59.28	60.39	59.47	24.5	25.3	28.8	29.5	27.2	26.2	26.9	30.3	24	97	87	71	69	79	82	80.8	......
22..	59.46	59.98	60.27	58.25	58.76	60.21	59.49	25.8	24.4	30.6	31.4	27.7	27.1	27.8	31.8	24.2	87	91	65	66	79	87	79.2	......
23..	59.08	59.65	60.56	58.45	58.98	60.48	59.53	25.1	24.3	31.2	31.3	27.8	25.7	27.6	32.4	24.1	90	93	66	64	79	90	80.3	11.7
24..	58.96	59.18	60.05	57.92	58.37	59.86	59.06	25	24.8	28.7	31.2	27.9	25	27.1	31.4	24.4	92	94	80	71	84	93	85.7	23.4
25..	58.85	59.41	60.20	58.53	59.10	60.45	59.42	24.4	24.4	30	24.4	24.2	23.8	25.2	31.2	23.4	97	97	76	92	95	96	92.2	15
26..	59.42	60.04	60.90	58.12	59.26	59.91	59.61	23.3	22.6	29.1	31.1	26.6	24.8	26.2	31.6	22.4	97	97	77	67	86	95	86.5	......
27..	59.30	60.09	61	58.80	59.33	60.68	59.87	24.2	24.1	28.5	30.8	27.3	25.8	26.8	31.6	23.9	96	97	78	67	82	92	85.3	7.1
28..	59.38	59.51	59.93	58.01	58.39	59.72	59.16	25.1	25.3	30.5	30.6	27.8	25.3	27.4	32.3	24.9	96	95	71	68	86	93	84.8	1.8
29..	58.54	59.04	59.58	57.47	57.98	59.53	58.69	26.4	25.8	30	29.3	26.5	26.5	27.4	31.9	25.5	88	89	75	84	88	91	85.8	5.6
30..	57.90	58.87	59.67	57.07	58.52	59.58	58.60	26.5	26.5	30	30.5	25.5	25.2	27.4	31.7	24.7	90	90	77	73	92	96	86.3	12.2
31..	58.14	58.81	59.86	57.31	58.39	59.51	58.67	24.8	25.4	30.4	29.6	27.3	25.6	27.2	31.1	24.5	97	94	78	77	87	94	87.8	2.5
Mean	57.94	58.49	59.23	56.97	57.75	59.09	58.25	24.9	24.6	29.5	29.8	26.8	25.4	26.8	31.3	24	92.5	93.5	74.5	74.2	85.7	90.7	85.2	......
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	345.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	Calm	N	N	Calm	Calm	17.9	25.7	43.5	3.7	90.8	7	Ci.-S.	Fr.-Cu.	2	Ci.-S.	Fr.-Cu. NNE
2..	Calm	Calm	NW	NW	Calm	Calm	6.2	26.8	43.5	11	87.5	10	A.-S.	....	8	Ci.-Cu.	Fr.-Cu. NW
3..	Calm	Calm	W	NNW	Calm	Calm	3	25.1	40.8	9.9	78.8	1	Ci.-S.	....	3	Ci.-S.	Cu. N
4..	Calm	Calm	NNW	NW	Calm	Calm	2.1	29.5	45.9	25.5	103	7	Ci.-S.	....	7	Ci.-S.	Cu. NNW
5..	Calm	Calm	Calm	NW	Calm	Calm	5.1	30.8	53.4	16.6	105.9	3	Ci.-S.	....	7	Ci.-S.	Cu. NNW
6..	Calm	Calm	N	WNW	S	Calm	5.4	26.2	33	14	78.6	8	Ci.-S.	....	9	Ci.-S.	Fr.-Cu. NW
7..	Calm	Calm	NNW	N	SSE	Calm	18.3	23.3	40.2	16.7	98.5	10	A.-S.	S.-Cu.	10	Ci.-S.	Fr.-Cu. N
8..	Calm	Calm	W	Calm	Calm	Calm	10.3	31.6	19	12.6	73.5	9	Ci.-S.	S.-Cu.	10	Ci.-S.	N.
9..	SSE	SSE	SSE	SSE	SSE	SSE	31.4	74.8	[a]38	......	......	9	A.-Cu. SSW	Fr.-Cu. S	10	Ci.-S. WSW	N.-cf. S
10..	SSE	SSE	SSE	SSE	Calm	SSE	......	......	[b]32.8	39.4	......	10	Ci.-S. WSW	N. S	9	A.-Cu. SSW	Fr.-Cu. S
11..	SSE	SSE	SSE	N	Calm	Calm	30.1	25.9	25.4	5.9	87.3	5	A.-Cu.	....	10	Ci.-S.	S.-Cu.
12..	Calm	SE	Calm	Calm	Calm	Calm	6.2	21.9	20.1	2.9	51.1	10	Ci.-S.	N. SSE	9	A.-Cu.	....
13..	NNW	NNW	NNW	N	NNW	Calm	31.4	52.5	53.7	32.7	170.3	10	Ci.-S.	Fr.-Cu. N	10	Ci.-S.	Fr.-Cu. N
14..	NNW	NNW	NNW	NNW	ENE	ESE	52.6	85.1	125.5	80.7	343.9	10	Ci.-S. ENE	Fr.-N. N	10	Ci.-S. ENE	N. N
15..	ESE	SE	SSE	SSE	SSE	SSE	45.4	62	53.6	39.6	200.6	10	Ci.-S.	....	10	Ci.-S.	Fr.-N. S
16..	SSE	SSE	S	SSW	Calm	Calm	38.3	59.5	39.5	3.7	141.1	9	Ci.-S.	S.-Cu. S	7	A.-Cu. WSW	S.-Cu. SW
17..	Calm	Calm	S	N	Calm	Calm	3.5	38.9	28	8.9	79.3	0	....	....	10	Ci.-S.	N.
18..	Calm	Calm	Calm	WNW	Calm	Calm	4.2	24.7	51.7	5.6	86.2	1	A.-Cu.	....	2	Ci.-S.	Cu. NW
19..	Calm	Calm	WNW	NNW	WNW	Calm	2.1	31.9	56.8	23.9	114.7	0	....	....	3	Ci.-S.	Cu. N
20..	Calm	W	WNW	WNW	N	Calm	24.3	42.8	48.9	5	121	10	A.-S. SW	....	9	Ci.-S.	S.-Cu. NW
21..	Calm	N	N	N	Calm	Calm	15.5	39.6	41.3	22.3	118.7	9	Ci.-S.	Fr.-Cu. NNE	7	Ci.-S.	Fr.-Cu. NNE
22..	Calm	Calm	NNE	NNE	Calm	Calm	15.5	33.8	82.4	7	88.7	8	Ci.-S.	Cu.	7	A.-Cu.	Fr.-Cu. NE
23..	Calm	Calm	NNE	N	Calm	Calm	3.5	30.9	33.6	16.9	84.9	1	Ci.	Fr.-Cu.	1	....	Cu. NNE
24..	Calm	Calm	WNW	N	Calm	Calm	11.9	26.6	35.7	14.5	88.7	8	Ci.-S.	....	3	Ci.-S.	Cu. NNE
25..	NE	Calm	N	WNW	Calm	Calm	12.4	20.6	24.4	9.9	67.3	7	Ci.-S.	S.-Cu.	10	Ci.-S.	N. NW
26..	Calm	Calm	Calm	N	Calm	Calm	5.3	21.2	26.6	8.7	61.8	1	Ci.-Cu.	....	3	Ci.-S.	Fr.-Cu. NNE
27..	Calm	Calm	Calm	NNW	Calm	Calm	8.9	20.7	33	14.8	77.4	6	A.-Cu.	Cu.	3	Ci.-S.	Cu. N
28..	Calm	Calm	NE	NE	Calm	Calm	10.8	40.5	39.4	11.5	102.2	7	Ci.-S.	Cu.	9	Ci.-S.	....
29..	Calm	Calm	NE	N	N	Calm	22.7	48.8	40.5	17.4	129.4	3	....	Fr.-Cu. ENE	10	Ci.-S.	N. NNE
30..	Calm	Calm	NNE	NE	Calm	Calm	80	48.1	44.8	3.2	126.1	8	Ci.-S.	Fr.-Cu. NE	7	Ci.-S.	Cu. ENE
31..	Calm	Calm	E	ENE	Calm	Calm	9.2	33.2	34.9	2.7	80	10	Ci.-S.	N. E	7	Ci.-S.	Cu. E
Mean	......	......	......	......	......	......	16.1	36.8	41.3	16.2	108.2	6.7	....	....	7.2	....	....

[a] 2 hours missing.

[b] 1 hour missing.

CAPIZ

[φ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6.7 meters; gravity correction not applied, —1.81 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.61	59.35	59.86	57.92	59.08	59.96	59.13	25.6	24.5	29.4	30.2	26.9	26.6	27.2	32	24.3	95	95	77	70	80	91	84.7	1
2..	58.70	59.58	60.30	58.06	59.02	59.87	59.26	26.5	25.5	30	31.1	27.8	27.3	28	32.3	25.3	93	94	75	69	85	82	83	......
3..	58.92	59.31	59.59	57.59	58.72	59.57	58.95	26.6	26.2	30.8	32.3	25.1	26.5	27.9	32.5	24.9	85	88	70	60	93	92	81.3	14.5
4..	58.40	58.77	59.66	57.34	57.76	59.01	58.49	26.5	26.5	29.2	31.8	28	27.6	28.3	31.9	26.1	91	90	81	67	85	87	83.5	8.1
5..	57.63	58.35	59.21	57.10	57.43	58.87	58.10	26.8	25	30.6	31.5	28.1	27	28.2	31.8	24.8	91	95	74	69	85	89	83.8	......
6..	57.63	57.95	58.81	56.71	57.56	58.98	57.94	26.9	26.2	30	31.4	27.5	25.9	28	32	25.6	90	91	77	70	83	93	84	3.8
7..	58.20	59.43	60.05	57.72	58.40	59.67	58.91	26.2	24.6	27	29.4	25	25.5	26.3	30.4	23.8	94	95	90	72	91	93	89.2	31.8
8..	58.26	58.87	59.53	57.18	58.10	59.08	58.50	25	24.2	28.1	27.5	26.4	25.3	26.1	29.3	24	95	97	85	80	89	93	89.8	4.6
9..	57.80	58.17	59.01	56.50	57.89	58.89	58.04	24.6	23.9	29.5	30.5	26.4	24.9	26.6	31.9	23.7	94	95	72	65	85	91	83.7	......
10..	57.36	57.82	58.16	56.27	56.96	57.70	57.38	24	23.3	30.5	30.9	25.7	24.4	26.5	31.8	23.1	92	93	64	66	87	92	82.3	5.1
11..	57.22	57.44	57.58	55.72	56.67	57.93	57.09	24.2	23.9	29.7	30.2	27.7	25	26.8	31.5	23.6	94	96	71	68	83	96	84.7	16.3
12..	56.71	57.59	58.16	56.52	57.52	58.57	57.51	24.3	25.2	29.9	31.2	27.5	26	27.4	31.6	24.1	97	96	73	70	86	89	85.2	11.2
13..	57.20	57.80	58.93	57.34	58.35	59.43	58.18	25.8	25.3	30.8	28	26.1	26	27	31.4	24.6	91	93	65	82	89	88	84.7	12.2
14..	58.33	58.37	58.94	57.06	58	58.73	58.24	26.4	26.7	28.7	29.3	27.2	27.1	27.6	29.8	26.2	83	79	75	73	80	77	77.8	......
15..	57.40	57.78	59.21	56.37	57.20	58.14	57.68	26.9	26.6	25	28.4	26.6	26.4	26.6	29.8	24.8	78	80	88	77	81	81	80.8	3.3
16..	56.48	57.05	58.25	55.80	57.07	57.54	57.03	26.5	25	27.8	29.5	27.2	27	27.2	30.6	24.4	82	94	79	71	82	82	81.7	12.2
17..	56.34	56.46	57.34	55.57	57.04	57.95	56.78	25.8	24.5	25	24.8	24.1	24	24.7	27.3	23.8	88	94	92	93	93	91	91.8	33.3
18..	56.09	57.39	58.66	56.80	57.33	59.05	57.55	23.9	23.9	25.8	28.2	25.3	24.5	25.3	28.5	23.4	93	95	89	76	91	92	89.3	3.3
19..	57.61	58.48	59.03	56.95	58.65	60.05	58.46	23.4	23	30.5	29.3	23.8	23.6	25.6	31.9	22.9	95	97	72	79	94	95	88.7	14.3
20..	58.46	58.88	58.88	56.75	58.01	59.49	58.41	22.8	22.7	28.4	30.4	27.1	23.4	25.8	30.9	22.4	96	97	82	76	87	93	88.5	3.3
21..	57.50	57.90	58.33	56.33	57.16	58.54	57.63	23	22.7	29	30.1	27.3	26.2	26.4	30.4	22.5	95	97	76	71	83	85	84.5	10.9
22..	57.60	58.55	59.69	57.72	58.44	59.61	58.60	24.4	23.7	25.1	27.5	26.5	26.2	25.6	28.1	23.5	93	97	95	78	80	81	87.3	1.3
23..	58.69	59.62	61.15	58.79	59.62	60.57	59.74	25.9	25.8	28	29	26.3	26.1	26.8	29.6	24.5	81	81	78	69	79	83	78.5	15.2
24..	59.31	59.68	60.43	58.62	59.21	60.42	59.61	24.2	23.5	27.8	28.7	24.7	25	25.6	29.6	23.3	92	96	76	73	85	73	82.5	2.1
25..	59.44	59.95	60.89	58.60	59.36	60.32	59.76	24.8	24.2	28.5	27	25.3	25.6	25.9	30.2	24	75	78	67	78	82	81	76.8	.5
26..	59.38	59.68	60.32	57.92	58.55	58.59	59.07	25.4	25.3	28.2	29	26.3	24.6	26.5	30.2	24.4	80	79	72	71	82	88	78.7	4.8
27..	57.71	57.87	58.12	56.53	57.14	58.77	57.69	25.1	24.3	25.6	25.5	25	23.4	24.8	26.7	22.9	87	93	95	94	92	96	92.8	59.6
28..	58.41	59.07	59.92	58.53	59.60	60.76	59.38	22.9	22.5	29.5	30.6	27.7	26.5	26.6	30.9	22.3	97	97	76	70	84	86	85	4.6
29..	59.66	60.09	60.85	58.53	58.73	59.73	59.60	25.4	25.5	29.8	29.2	26.5	26.4	27.1	30.7	25.1	90	92	73	77	88	90	85	......
30..	58.50	59.09	60.07	58.18	58.97	59.79	59.10	26.2	25.7	28.8	28.8	26.5	25.6	26.9	31	25.4	90	92	84	76	89	89	86.7	......
Mean	57.98	58.54	59.30	57.23	58.12	59.19	58.39	25.2	24.7	28.6	29.4	26.4	25.7	26.6	30.6	24.1	89.9	91.9	78.1	73.7	85.8	88	84.5	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	277.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	NE	NE	N	Calm	7.5	35.7	40.4	14.7	98.3	7	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu. ENE
2..	N	Calm	NNE	NNW	Calm	NNE	23.6	37.3	34.8	33.8	129.5	9	Ci.-S.	Cu.	4	Ci.-S.	Cu. N
3..	NNE	Calm	NE	NE	Calm	NNE	35.9	41.6	46.2	21.7	145.4	2	Ci.-Cu.	Fr.-Cu. NE	1	Ci.-S.	Fr.-Cu. ENE
4..	NNE	NNE	NNE	NNE	ENE	ENE	41.6	46.7	43.3	50.1	181.7	8	Ci.-S.	S.-Cu. NE	3	Ci.-S.	Fr.-Cu. NE
5..	ENE	Calm	ENE	ENE	Calm	Calm	27.2	41.5	38.4	23	130.1	6	Ci.-S.	S.-Cu.	1	Ci.-S.	....
6..	Calm	Calm	ENE	E	NE	Calm	16.3	38.6	40.2	12.9	108	5	....	Cu.	3	Ci.-S.	Fr.-Cu. E
7..	ENE	Calm	E	E	NE	Calm	12.6	28.8	44.6	12.7	98.7	10	Ci.-S.	S.-Cu.	9	Ci.-S.	....
8..	Calm	Calm	Calm	E	Calm	Calm	11.9	20.9	27.2	5.6	65.6	8	A.-Cu.	S.-Cu.	8	Ci.-S.	Fr.-Cu. ENE
9..	Calm	Calm	Calm	NNW	Calm	Calm	10.3	17.5	30.6	10.5	68.9	9	A.-Cu.	....	5	Ci.-S.	Cu. N
10..	Calm	Calm	NW	NNW	Calm	Calm	4.8	30.1	34.4	7.4	76.7	2	A.-Cu.	....	4	A.-Cu.	Cu. N
11..	Calm	Calm	WNW	WNW	WNW	WNW	8.5	29	58.4	34.6	130.5	10	A.-S.	....	6	A.-Cu. NNW	Cu. NW
12..	Calm	Calm	N	N	Calm	Calm	8.2	25.9	38.1	10	82.2	8	Ci.-S.	S.-Cu.	5	Ci.-S.	....
13..	Calm	Calm	NW	NW	Calm	WNW	21.7	29.8	38.9	26.2	116.6	6	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu. NNW
14..	NW	NW	NW	NW	NW	NW	75.4	85	88.3	88	336.7	10	Ci.-S.	S.-Cu. NNW	10	A.-S. N	....
15..	NW	NW	NW	NW	NW	NW	94.1	82.4	88.8	71.4	336.7	10	Ci.-S. NE	S.-Cu. NNW	10	Ci.-S. NE	S.-Cu. NNW
16..	NW	WNW	WNW	NW	NW	WNW	67.1	64.6	78.9	66	276.6	8	Ci.-S. NNE	N. NW	8	A.-Cu. N	S.-Cu. NNW
17..	WNW	WNW	W	W	WSW	Calm	85.6	88.8	59.3	23	256.7	10	Ci.-S. NNE	N. NW	10	Ci.-S. N	N. WNW
18..	Calm	Calm	SSW	Calm	Calm	Calm	16.4	18.3	13.7	4.3	52.7	10	Ci.-S.	S.-Cu.	9	A.-Cu.	....
19..	Calm	Calm	SSE	E	Calm	Calm	7	31.2	41.2	9.9	89.3	2	A.-Cu.	....	9	A.-Cu.	Fr.-Cu. ESE
20..	Calm	Calm	Calm	N	Calm	Calm	10.2	24.3	27.6	14.2	76.3	2	Ci.	S.-Cu.	7	Ci.-S.	S.-Cu. NNE
21..	Calm	Calm	NW	NW	NW	Calm	7.8	22.7	44.1	28.7	103.3	8	Ci.	S.-Cu.	2	Ci.-S.	Fr.-Cu. NW
22..	Calm	Calm	N	NNW	N	N	27.4	30.6	63.1	40.2	161.3	10	A.-S.	S.-Cu. NW	10	Ci.-S.	N.-cf. N
23..	N	NNW	Calm	N	N	Calm	44.6	41.3	86.4	21.5	143.8	10	Ci.-S.	S.-Cu. N	5	Ci.-S.	Fr.-Cu. N
24..	Calm	Calm	N	NNE	N	NE	11.6	33.2	48.5	51.7	145	10	Ci.-S.	S.-Cu. N	6	Ci.-S.	Cu. NE
25..	N	N	NE	NNE	N	N	44	38.8	41.6	87.8	162.2	6	Ci.-S.	Fr.-Cu. NNE	7	Ci.-S.	Fr.-Cu. NE
26..	Calm	N	N	N	N	N	32.4	45.1	57.1	41.8	176.4	10	A.-Cu.	Fr.-Cu. NNE	10	Ci.-S.	Fr.-Cu. NNE
27..	Calm	N	N	NE	NE	Calm	81.4	53.3	54.1	17.2	156	10	Ci.-S.	S.-Cu. NNE	10	Ci.-S.	S.-Cu. ENE
28..	Calm	Calm	E	E	Calm	E	3.2	31.9	41.3	18	94.4	3	Ci.-S.	Fr.-Cu.	3	A.-Cu. SE	....
29..	Calm	Calm	NE	NE	NE	NE	18.3	47	58.9	34.8	159	2	A.-Cu. E	Cu. ENE	8	Ci.-S.	Cu.-N. ENE
30..	NE	Calm	NE	N	NNE	Calm	30.1	34.9	47.5	26.9	139.4	8	Ci.-S.	S.-Cu. ENE	9	Ci.-S.	Fr.-Cu. NNE
Mean	......	......	......	......	......	......	27.9	39.9	46.9	28.6	143.3	7.3	....	....	6.7	....	....
Total	......	......	......	......	......	......	......	......	......	......	4,298	....	....	....	....	....	....

CAPIZ

[φ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6.7 meters; gravity correction not applied, —1.81 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.78	59.10	60.03	58.13	58.89	60.04	59.16	25.8	24.8	29.5	25.4	25.9	25.6	26.2	31	24.6	88	93	76	93	88	91	88.2	8.6
2..	58.59	59.28	60.12	58.24	59.21	59.73	59.20	25.8	25.4	29.8	28.7	24.4	25.6	26.6	30.9	24.2	90	91	77	80	91	87	86	16
3..	58.20	58.31	59.08	56.47	56.81	57.34	57.70	25.6	25.5	28.5	28.5	25.7	25.9	26.6	30.5	25.3	88	88	78	76	94	87	85.2	10.2
4..	55.29	54.91	56.04	53.68	54.49	56.02	55.07	25.5	25.3	26.9	27.7	25.8	24.6	26	29.2	24.1	88	89	83	80	93	93	87.7	12.7
5..	55.51	56.40	57.31	55.21	56.55	58.13	56.52	24.2	23.9	28.7	31.3	26.6	25	26.6	31.4	23.7	95	96	72	61	81	91	82.7	......
6..	56.82	57.14	58.36	56.16	57.47	58.98	57.49	24	23.8	30.2	31.5	27.5	25.3	27	32.4	23.5	92	93	68	60	78	89	80	......
7..	58.01	58.49	59.51	57.14	58.74	59.64	58.59	24.3	23.3	29.6	30.9	24.3	24.2	26.1	32.1	23.2	93	97	72	69	92	95	86.3	19.8
8..	58.51	58.95	59.74	57.55	57.94	59.26	58.66	24	24.1	27.8	30.6	26.8	25.7	26.5	31	23.6	96	97	82	72	88	93	88	......
9..	58.05	58.53	59.82	58.16	58.58	59.91	58.84	25.6	25.1	29.2	30.2	26.9	26.1	27.2	30.4	24.9	93	91	76	70	81	78	81.5	......
10..	58.70	59.83	60.28	57.98	58.79	60.01	59.26	25.3	25.2	29	29.5	27	26	27	30.4	25	84	86	72	72	83	85	80.3	2.3
11..	59.58	60.05	60.58	58.43	59.51	60.08	59.70	25.4	24.7	29	30.2	27.3	26.1	27.1	30.9	24.5	88	92	76	68	84	80	81.3	......
12..	58.48	59.39	60.14	58.08	58.78	59.47	59.06	25.3	24	29.1	30	26.7	25	26.7	31.3	23.8	86	94	75	71	86	92	84	.3
13..	58.21	58.65	59.27	57.16	57.78	58.44	58.25	24.6	24.2	28.7	30	26.4	25.2	26.5	30.5	24	93	94	75	71	85	91	84.8	......
14..	57.14	58.02	58.74	56.27	56.82	58.19	57.53	24	23.2	29.4	30.2	26.2	25.7	26.4	30.9	23	93	96	72	62	85	88	82.7	.8
15..	57.26	58.29	59.28	57.38	58.28	59.38	58.31	25	22.5	29.1	30	26.2	24	26.1	31	22.3	90	96	74	68	82	91	83.5	......
16..	58.26	58.93	60.27	58.37	58.99	60.28	59.18	23.5	22.5	27.7	30	26.5	25.9	26	31	22.3	93	95	77	68	82	88	83.8	2.3
17..	59.37	60.03	60.92	59.21	59.77	60.64	59.99	25.5	23.4	27.8	29.4	26.1	25.6	26.3	29.7	23.2	91	97	79	74	88	91	86.7	5.4
18..	59.81	60.08	60.83	59.27	59.96	60.51	60.08	25.3	25.2	27.6	29.1	24.6	25.9	26.3	30.9	24.5	91	90	84	80	95	85	87.5	24.4
19..	60.12	60.52	62.30	60.46	61.67	62.53	61.27	25.5	25	25.4	25.6	24.6	24.5	25.1	27.3	24.3	88	96	88	91	92	87	90.3	7.4
20..	61.03	61.48	62.03	60.45	61.03	61.89	61.32	24.5	25	27.6	28.5	26.5	25.5	26.3	30.3	24.4	95	88	81	73	83	88	84.7	......
21..	61.01	61.47	62.58	60.15	60.91	62.41	61.42	25.1	25	28.4	28.7	27.1	26	26.7	31.4	24.9	91	88	75	73	77	80	80.7	......
22..	61.29	61.15	62.14	60.07	61.03	61.51	61.20	25.6	25.1	29.5	27.6	25.1	25	26.3	30.4	24.6	83	83	75	83	90	88	83.7	8.1
23..	60.57	60.93	61.61	59.40	60.20	61.07	60.63	24.4	24	28.5	29.3	26.8	26.5	26.6	31.2	23.8	92	92	78	72	86	88	84.7	......
24..	60.74	60.72	60.75	58.46	58.93	59.56	59.86	25.1	25.1	29.5	29.7	27.1	26.5	27.2	31.8	24.4	91	94	78	77	83	88	85.2	......
25..	58.21	58.82	60.28	58.45	59.26	60.38	59.23	25.5	24.5	28.4	29.4	27.6	26.6	27	30.4	24	88	92	78	75	77	87	82.8	2.8
26..	59.20	59.84	60.50	58.81	59.21	59.99	59.59	26	26	29	28.7	25.3	24.6	26.6	30.9	24.3	88	88	78	77	93	95	86.5	3.6
27..	58.99	59.63	60.42	58.88	59.61	60.49	59.67	24.4	24.1	29.5	29.7	26.7	26.2	26.8	31.3	23.9	97	97	78	74	86	87	86.5	......
28..	59.46	59.68	60.52	58.55	59.28	60.39	59.65	26.1	26	28.5	30	27.1	26.6	27.4	31.4	25.5	86	89	84	74	87	92	85.3	.8
29..	59.33	60.03	61.54	59.35	59.87	60.89	60.17	26.5	26.1	27.3	28	26.6	25.9	26.7	31.3	25	84	90	78	78	87	85	83.7	4.1
30..	59.87	60.84	62.44	60.65	61.43	62.29	61.25	24.4	23.9	25.2	25.6	24.8	24.5	24.7	26.8	23.5	93	92	86	79	77	75	83.7	1.3
31..	61.35	61.90	62.75	60.37	61.17	61.97	61.58	23.6	24	25.5	25	25.4	25	24.8	27.2	23	82	79	76	80	77	80	79	......
Mean	58.89	59.40	60.33	58.29	59.06	60.05	59.34	25	24.5	28.4	29	26.2	25.5	26.4	30.6	24	90	91.7	77.5	74.2	85.5	87.6	84.4	......
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	130.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NNE	Calm	NNE	Calm	NNE	Calm	35.1	38.4	26.2	33.3	133	9	A.-Cu.	Fr.-Cu. NE	10	A.-S.	....
2..	Calm	Calm	N	N	Calm	NNE	24.9	41.2	48.1	17.9	132.1	2	....	Fr.-Cu. NNE	10	Ci.-S.	Fr.-N. NNE
3..	N	N	N	N	N	N	32.5	45.1	46.7	42.6	166.9	7	A.-Cu. NE	Fr.-Cu. NNE	10	Ci.-S.	S.-Cu. NNE
4..	N	N	NE	ENE	E	Calm	70.6	89.5	82.3	38.8	281.2	10	Ci.-S. E	Fr.-N. NNE	9	A.-Cu. ESE	....
5..	Calm	Calm	SE	SSE	SSE	Calm	19.8	38.3	36.5	23	117.6	9	A.-Cu.	....	9	A.-Cu. SSW	S.-Cu. S
6..	Calm	S	S	S	Calm	Calm	18	53.3	54.4	13.1	138.8	4	Ci.-S.	....	2	Ci.-S.	Fr.-Cu. S
7..	Calm	Calm	S	N	E	Calm	4.6	20.3	28.7	13.9	67.5	1	....	Cu.	3	Ci.-Cu.	Cu. NNE
8..	Calm	Calm	Calm	N	Calm	Calm	5.9	19.5	24.4	3.4	53.2	9	A.-Cu.	....	7	Ci.-S.	Fr.-Cu. NNE
9..	NE	Calm	N	NNE	NNE	NE	20.7	34.3	26	59	140	8	Ci.-S.	Fr.-Cu. NE	7	Ci.-Cu.	Fr.-Cu. NE
10..	NE	NE	NE	NNE	N	NE	31.1	66	36.4	55.5	189	5	Ci.-Cu. ESE	Fr.-Cu. ENE	9	A.-Cu.	Fr.-Cu. NE
11..	Calm	Calm	NE	NE	Calm	NE	31.2	53.9	38.8	30.8	154.7	4	....	Fr.-Cu. ENE	2	....	Fr.-Cu. ENE
12..	NE	Calm	NNE	NNE	Calm	Calm	20.4	27.6	33	3.8	84.8	4	Ci.-S.	Fr.-Cu.	4	Ci.-S.	Fr.-Cu. NE
13..	Calm	Calm	NE	NE	Calm	Calm	5.9	24.7	29	4.2	63.8	3	Ci.-S.	....	1	....	Cu. ENE
14..	Calm	Calm	NE	NE	Calm	Calm	2.2	27.7	30.3	10	70.2	2	....	Fr.-Cu.	1	....	Cu. ENE
15..	Calm	Calm	NE	N	Calm	Calm	4	21.1	36.4	3.5	65	1	....	Cu.	0	Ci.	....
16..	Calm	Calm	NNE	N	Calm	Calm	4.8	25.4	34.8	25.7	90.7	3	Ci.-S.	....	1	Ci.-S.	Fr.-Cu. NNE
17..	N	Calm	NE	N	N	Calm	26.8	50.1	41.8	37.3	156	10	Ci.-S.	....	7	Ci.-S.	Fr.-Cu. NNE
18..	Calm	N	ENE	NNE	Calm	E	24.3	45.1	47.5	26.4	143.3	8	Ci.-S.	....	10	A.-Cu.	S.-Cu. NE
19..	NE	NE	NE	N	E	ENE	39.4	60.6	40	24.3	164.3	10	Ci.-S.	Cu.-N. NNE	10	Ci.-S.	Cu.-N. NE
20..	NE	ENE	ENE	E	E	ENE	29.2	43.3	46.4	25.4	144.3	10	Ci.-S.	S.-Cu. NE	10	A.-Cu.	S.-Cu. ENE
21..	NE	E	NE	NE	NE	ENE	36	55.3	48.5	42.3	182.1	9	A.-Cu.	S.-Cu. NE	6	Ci.-S.	Cu. ENE
22..	ENE	ENE	NE	NE	NE	E	40	44.9	56.6	33.6	175.1	6	Ci.	S.-Cu. NE	10	A.-Cu.	S.-Cu. E
23..	Calm	Calm	ENE	NE	Calm	ENE	6.9	35.2	38.6	18.7	99.4	10	A.-Cu. NE	S.-Cu.	8	Ci.-S.	Cu.
24..	Calm	Calm	NE	N	N	N	9.1	35.1	40	23.6	107.8	5	Ci.	S.-Cu. NE	8	Ci.-S.	Cu. N
25..	Calm	Calm	N	N	Calm	NE	7.8	30.6	37	28.4	103.8	9	Ci.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
26..	N	NE	NE	N	E	Calm	25.7	30	34.4	13.7	103.8	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. ENE
27..	Calm	Calm	N	N	N	N	3	20.9	45.6	25.5	95	5	Ci.	S.-Cu. NE	10	Ci.-S.	Cu. NE
28..	Calm	N	NNW	NNW	Calm	Calm	21.4	30.6	30	10.7	92.7	10	A.-Cu.	S.-Cu. NE	2	....	Cu. NE
29..	NE	NE	N	N	N	ENE	36.2	58.2	45.3	46.1	185.8	10	Ci.-S.	N.-cf. NE	10	A.-Cu.	Cu.-N. ENE
30..	ENE	N	N	N	NE	NNE	65.7	71.1	73.7	81.1	291.6	10	....	N. NNE	10	Ci.-S.	Cu.-N. NE
31..	NE	NE	N	NE	NE	N	72.4	65.5	61.7	58.1	257.7	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
Mean	......	......	......	......	......	......	25	42	41.9	28.2	137.1	6.9	....	....	7	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	4,251.2	....	....	....	....	....	....

CALBAYOG

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 3.6 meters; gravity correction not applied, —1.80 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.72	61.12	61.71	59.85	60.58	61.61	60.93	23	23.3	29.7	29.4	26.8	24.6	26.1	31.6	22.3	97	96	74	76	83	93	86.5	2.6
2..	60.79	60.99	61.90	59.60	60.63	61.87	60.96	23.9	24	29	28.8	26.9	24.9	26.2	29.5	23.6	96	97	74	83	85	93	88	1
3..	60.94	61.64	62.76	60.64	60.88	62.08	61.49	24	23.7	29.4	27.6	26.9	24.7	26	29.8	23.6	96	97	71	81	82	93	86.7	6.4
4..	61.49	61.82	63.05	60.78	61.86	62.87	61.98	24	23.1	27.7	26.7	25.2	23.1	25	28.8	22.8	96	96	79	86	92	95	90.7	6.8
5..	61.82	62.43	63.02	61.51	62.65	64.02	62.58	22.6	22.5	28.1	29.9	26	25	25.7	30.4	21.8	95	94	72	54	77	88	80	.8
6..	63.37	64.19	64.57	63.25	63.23	64.55	63.86	24.6	23.2	27.6	28.4	25	24.1	25.5	30.8	23.1	90	94	76	72	85	93	85	.5
7..	62.83	63.04	63.67	61.20	62.32	63.65	62.78	24.2	23.8	26.4	29.1	25.7	24.3	25.6	30.1	23.6	93	95	82	66	79	91	84.3	1.8
8..	62.62	62.71	62.95	60.59	61.53	62.62	62.17	23.2	23	28.8	31.6	25.6	22.6	25.8	31.9	22.2	97	97	72	49	71	93	79.8	1
9..	61.10	61.13	61.73	59.45	60.16	61.14	60.78	21.7	21.3	26	27.7	26.4	22.8	24.3	29.2	21	94	95	84	78	72	93	86	....
10..	60.19	60.37	61	58.99	59.78	60.81	60.19	21.1	21.1	28.3	27	25.7	24	24.5	31	20.9	95	96	72	84	88	93	88	.5
11..	59.79	59.98	60.97	58.75	59.50	60.78	59.96	23.1	23.7	26.6	28.1	26.8	23.9	25.4	29.1	22.7	94	93	83	80	86	94	88.3	....
12..	59.87	60.30	61.17	59.16	59.87	61.49	60.31	22.6	21.7	26.7	28.4	24.2	22.8	24.4	29.9	21.6	96	96	79	75	92	94	88.7	3.6
13..	60.52	60.75	62.11	59.83	60.70	62.61	61.09	21.1	19.8	27.4	30.5	26	22.6	24.6	31.2	19.6	96	97	70	51	79	94	81.2	....
14..	61.87	62.55	64.14	61.86	62.23	63.72	62.73	19.7	18.4	25.2	27.7	25.5	22.2	23.1	28.1	18.3	95	97	77	70	77	95	85.2	....
15..	62.66	62.75	63.80	61.22	61.70	62.87	62.50	20.9	18.7	26.8	27.7	26.2	24.1	24.1	28.4	18.7	95	98	78	70	81	92	85.7	....
16..	62.07	62.67	63.34	61.22	62.44	63.68	62.57	23.7	22.8	27.9	28.9	26.1	22.8	25.4	30.8	22.7	93	97	71	60	73	89	80.5	....
17..	62.89	63.10	63.96	62.11	63.43	64.63	63.35	20.9	20.1	28.9	28.9	25.2	22.1	24.4	30.5	20	94	94	58	59	74	92	78.5	....
18..	63.66	64.32	64.99	62.54	63.52	64.58	63.94	20.1	19.1	29	30.5	24.9	21.9	24.2	31.9	19	90	95	57	51	79	93	77.5	....
19..	63.86	64.10	64.81	62.81	64.05	65.38	64.17	20.9	20.4	28.9	30.6	24.5	21.2	24.4	30.9	19.8	92	91	54	46	78	91	75.3	....
20..	64.08	63.68	64.06	61.53	62.49	63.68	63.25	21.9	20.6	27.5	29.6	24.7	23.6	24.6	30.3	20.5	92	94	70	56	87	93	82	....
21..	62.72	62 64	63.56	61.85	62.74	63.86	62.90	23.1	23.8	28.2	25.7	24.2	22.9	24.6	30	21.6	90	86	70	86	91	95	86.3	.5
22..	62.64	63.31	64	61.67	62.38	63.20	62.87	21	21.4	27.9	28.9	24.4	22.8	24.4	30.1	20.7	95	93	59	55	74	91	77.8	....
23..	61.53	61.99	62.83	60.93	61.63	62.83	61.96	22.8	22.6	28.4	28	25.6	24.6	25.3	30.3	22.4	89	90	68	67	78	85	79.5	....
24..	61.64	61.48	62.33	60.26	60.96	61.67	61.39	23.8	23.5	28	29.1	25	24.5	25.6	30.1	23.4	90	90	68	69	88	91	82.7	1
25..	60.63	61.44	62.20	59.94	60.69	61.98	61.15	23.6	22.5	29	29.3	25.7	24	25.7	31.3	21.7	95	96	71	75	84	93	85.7	1.8
26..	60.84	61.95	63.22	61.02	61.96	62.94	61.99	23.7	21.8	28	29.5	24.1	20	24.5	30.3	19.7	92	91	61	47	74	94	76.5	....
27..	61.47	62.14	62.73	60.22	61.56	62.95	61.84	18.9	18.5	28.7	30	25.6	23	24.1	32.2	18.1	93	95	59	56	74	92	78.2	....
28..	62.03	62.29	63.10	60.19	61.16	62.45	61.87	20.8	19.8	28.8	30	25.5	20.8	24.3	31.1	19.7	94	95	56	52	67	94	76.3	....
29..	61.75	62.05	63.14	60.64	61.41	62.38	61.90	20	19.9	28.5	29	26	22.5	24.3	31.3	19.7	95	95	60	64	69	94	79.5	....
30..	61.30	62.01	62.68	60.15	61.10	62.36	61.60	20.7	19.5	28.7	29.6	26.5	23.8	24.8	31	19.4	94	95	69	66	80	93	82.8	....
31..	61.43	62.08	62.56	60.07	60.76	62.22	61.52	22.1	20.7	28.3	29	26.8	23.7	25.1	30.9	20.6	96	96	72	71	72	94	83.5	....
Mean	61.78	62.16	62.97	60.77	61.61	62.82	62.02	22.2	21.6	28	28.9	25.6	23.2	24.9	30.4	21.1	93.8	94.5	69.9	66.3	79.7	92.5	82.8	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	ENE	NE	N	Calm	16.9	35.9	46.9	14.2	113.9	5	Ci.-S.	S.-Cu. ENE	6	Ci.-S.	S.-Cu. E
2..	Calm	Calm	NE	SW	Calm	Calm	11.6	25.5	62.8	11.5	111.4	8	Ci.-S.	S.-Cu. E	7	Ci.-S.	Cu. E
3..	Calm	N	NE	Calm	N	N	9.5	31.2	32.8	33.2	106.7	4	A.-Cu. NE	S.-Cu.	8	Ci.-S.	S.-Cu. ENE
4..	Calm	N	NE	SW	Calm	N	18.7	34	30.8	25.2	108.7	1	....	S.-Cu.	8	Ci.-S.	Cu.-N. ENE
5..	N	N	NE	NE	NNE	NE	29.2	53.1	81.8	36.4	200.5	8	Ci.-S.	S.-Cu. NE	5	Ci.	Cu. NE
6..	Calm	Calm	NE	NE	NNE	N	18.2	55.5	78.7	35.6	188	8	Ci.-S.	S.-Cu. NE	7	Ci.-S.	S.-Cu. NE
7..	N	N	NE	NE	NNE	Calm	30.3	75.8	92.3	30	228.4	3	Ci.	S.-Cu. NE	7	Ci.-S.	S.-Cu. NE
8..	Calm	Calm	NE	ENE	NE	Calm	10.8	36.4	63.9	16.3	127.4	8	Ci.-S.	S.-Cu. NE	3	Ci.	Cu. ENE
9..	Calm	Calm	ENE	SW	NE	Calm	5.6	32.8	65.7	19.8	123.9	1	....	S.-Cu.	6	Ci.-S.	Cu. ENE
10..	Calm	Calm	NE	SW	N	N	10.7	35.1	52.6	22.2	120.6	0	....	S.-Cu.	8	Ci.-S.	S.-Cu. NE
11..	Calm	Calm	S	SW	N	N	16.3	33.3	61.5	21.2	132.3	9	Ci.-S.	S.-Cu. NE	5	Ci.	Cu. NE
12..	Calm	Calm	S	SW	N	Calm	12.3	32.4	67	17.2	128.9	2	Ci.	S.-Cu.	5	Ci.	Cu. ENE
13..	N	N	NE	NE	Calm	N	23.5	37.5	48.3	14.2	123.5	4	Ci.	S.-Cu.	4	Ci.	Cu.
14..	Calm	Calm	S	SW	N	Calm	9.5	35.6	50.7	20.1	115.9	2	Ci.	Cu.	4	Ci.	Cu. NE
15..	N	N	NE	SW	N	N	33	31.6	65.7	25.7	156	0	Ci.	....	6	....	Cu. NE
16..	N	Calm	ENE	ENE	NE	Calm	19.6	42.8	63.8	15	141.2	9	Ci.-S.	S.-Cu. ENE	8	Ci.-S.	S.-Cu. ENE
17..	N	Calm	NE	NE	N	N	17.5	60.9	76.6	19	174	0	....	Cu.	6	....	S.-Cu. NE
18..	N	N	NE	NE	N	N	11	55.7	[a]23.8	.....	....	0	....	Cu.	4	....	Cu. NE
19..	N	N	NE	NE	N	N	.....	[b]57.9	81.9	34.6	....	0	....	Cu.	3	Ci.	Cu. NE
20..	N	Calm	NE	NE	N	N	34.3	77	115.1	49.9	276.3	4	....	S.-Cu. NE	4	....	Cu. NE
21..	N	NNE	NNE	NNE	NNE	N	97.1	106.5	88.5	54.1	346.2	3	Ci.	S.-Cu. NE	9	Ci.-S.	Cu.-N. NNE
22..	N	N	NNE	NNE	N	N	39.7	92	106.4	46.2	284.3	3	Ci.	S.-Cu. NE	6	Ci.-S.	Cu. NNE
23..	N	N	NNE	NNE	NNE	NNE	38.1	73	86.1	58.5	255.7	6	....	S.-Cu. NNE	7	Ci.-S.	S.-Cu. NE
24..	NNE	NE	NNE	NNE	NNE	NNE	45.3	86.6	73	34	238.9	8	Ci.-S.	S.-Cu. ENE	8	Ci.-S.	S.-Cu. NE
25..	Calm	NNE	NE	SSW	N	N	23.8	44.6	53.4	46.4	168.2	8	Ci.-S.	S.-Cu. NE	7	Ci.-S.	Cu.-N. ENE
26..	N	N	NNE	NNE	N	N	62.6	84.5	94.6	27.2	268.9	0	....	S.-Cu.	6	....	Cu. NE
27..	N	N	NE	NE	N	N	28	70	92.5	31.9	222.4	0	....	S.-Cu.	4	....	Cu. NE
28..	N	N	NE	NE	N	N	39.4	72.1	92.5	42.8	246.8	3	....	S.-Cu.	3	....	Cu. NE
29..	N	N	SSW	SSW	N	N	38.6	42.8	60.6	52	194	1	....	S.-Cu.	6	Ci.	Cu. E
30..	N	N	S	SW	N	Calm	41.5	50.9	86.3	31.7	210.4	0	....	S.-Cu.	6	....	Cu. E
31..	Calm	Calm	S	SSW	N	Calm	11.9	37.6	63.1	21.7	134.3	1	....	S.-Cu.	6	Ci.	Cu. E
Mean	......	......	......	......	......	......	26.8	52.9	69.7	30.3	181	3.5	....	....	5.9	....	....

[a] 4 hours missing.

[b] 2 hours missing.

NOTE.—Beginning January 16, 10 a. m., the height of the barometer above sea level was 4.7 meters.

CALBAYOG

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 4.7 meters; gravity correction not applied, —1.80 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	mm.
1..	61.70	62.61	62.87	61.01	61.51	62.73	62.07	21.7	20.5	29.6	30.9	26.5	22.4	25.3	31.9	20.4	95	96	59	62	76	95	80.5	......
2..	61.70	62.76	63.27	61.10	62.36	63.50	62.45	21.2	20.7	29.2	31.2	26.1	21.7	25	32.7	19.9	95	95	60	49	70	94	77.2	......
3..	62.74	63.73	63.90	61.21	62.83	64	63.07	21	21.6	29.5	31.2	25.8	21.8	25.2	32	20.8	96	95	61	49	75	93	78.2	......
4..	63.08	63.88	64.46	62.14	63.76	64.55	63.64	20.3	22.5	29	31.4	25.7	23.3	25.4	32.2	20.2	97	89	60	52	75	89	77	......
5..	63.54	64.85	64.97	63.11	64.43	65.21	64.35	22.8	22.5	27.6	25.5	25.3	23.2	24.5	30	22.4	89	89	66	80	73	86	80.5	1.3
6..	64.11	65.31	65.57	62.86	64.16	64.66	64.44	23.1	22	27.6	26.8	24.6	22.9	24.5	30.2	21.9	87	93	68	71	82	93	82.3	3
7..	63.76	64.90	65.20	62.54	63.75	64.27	64.07	22.6	21.9	29.3	28.4	26.2	22.7	25.2	31.5	21.1	96	96	62	75	67	93	81.5	1.5
8..	62.65	64.05	64.87	62.22	63.19	63.75	63.46	22.7	22.7	25.7	28.4	26.5	22.7	24.8	29.6	21.5	95	96	87	76	70	94	86.3	......
9..	62.40	63.51	64.14	61.74	63.29	64.23	63.22	21	21.5	29	30.6	26.4	24	25.4	31.7	20.5	96	95	61	50	72	86	76.7	.5
10..	62.60	62.91	63.64	61.33	61.92	63.37	62.63	22.7	21.2	28.3	26.9	25.4	23.7	24.7	30.2	20.5	94	95	67	69	80	92	82.8	.8
11..	62.35	63.25	63.70	61.48	62.76	63.91	62.91	21.9	22.7	29.5	28	24.8	23	25	30.3	21.7	94	92	62	68	92	95	83.8	.5
12..	62.33	62.68	63.20	60.49	61.25	62.83	62.13	22.8	22.8	29.4	30.8	27	23.4	26	32.2	22.1	97	97	60	59	68	91	78.7	......
13..	61.25	62.07	63.26	60.96	61.25	62.77	61.93	21.7	22.7	26.3	29.9	26.2	21.7	24.8	31.4	21.1	96	96	85	64	71	95	84.5	1.5
14..	62.04	62.28	63.11	60.92	61.71	62.91	62.16	21.8	20.5	28.6	29.4	26.8	24.8	25.3	31.1	20.4	95	95	68	71	74	87	81.7	.....
15..	61.85	62.62	63.12	61.01	61.71	62.73	62.17	24.3	24.4	28.7	28.6	26.3	24.2	26.1	30.5	23.9	87	87	66	72	89	95	82.7	.5
16..	61.73	61.99	62.26	59.88	60.78	61.76	61.40	23.5	22.5	28	31.5	25.8	24.5	26	32.3	22.4	95	96	79	60	91	94	85.8	8.4
17..	60.77	60.65	61.22	59.27	59.43	60.64	60.33	23.9	23.3	26.1	26.7	25.9	23.6	24.9	29.2	22.6	93	94	89	86	81	93	89.3	5.1
18..	59.83	60.45	61.10	58.67	59.99	61.27	60.22	21.8	21	28.9	30	25.8	23.7	25.2	31.7	20.8	96	97	69	64	81	94	83.5	......
19..	60.34	61.58	61.90	59.26	60.26	61.74	60.85	22.6	21.4	28.6	28.6	26.8	25.6	25.6	32.1	21.4	95	96	68	77	77	82	82.5	......
20..	60.52	61.64	61.73	59.31	59.81	60.79	60.63	23.9	23.9	28.5	29.8	26.2	24.9	26.2	30.1	23.3	92	93	69	68	79	87	81.3	......
21..	59.73	60.60	61.21	58.57	59.23	60.01	59.89	23.7	22.4	29.8	29.5	27	24.6	26.2	31.3	22.4	94	94	70	74	84	93	84.8	......
22..	59.08	59.73	59.86	57.76	58.73	60.53	59.28	22.7	22	30.4	29.9	25.8	23	25.6	30.8	22	95	96	68	74	92	95	86.7	.3
23..	59.09	59.85	60.17	58.49	59.03	60.86	59.58	21.9	21.5	29.5	28.5	26.3	25	25.4	31.5	21.4	96	97	70	78	82	90	85.5	.3
24..	60.13	60.76	61.37	58.81	59.26	60.68	60.17	22.7	21.4	29.7	30.5	26.8	22.2	25.6	33	21.4	94	97	59	63	84	95	82	......
25..	60.21	60.55	61.12	58.82	59.89	61.23	60.30	21.8	19.5	29.2	31.6	26.1	21.7	25	32.5	19.4	96	95	55	59	73	94	78.7	......
26..	60.35	61.22	61.69	59.89	60.79	62.17	61.02	19.8	19.3	29.5	28.7	26.2	23.9	24.6	31.9	19.2	95	95	56	69	74	85	79	......
27..	61.35	61.66	62.46	60.46	60.73	61.68	61.39	23	23.3	28.4	29	25.7	23	25.4	30.1	22.1	91	90	67	64	75	90	79.5	2.5
28..	60.69	61.60	62.31	59.51	60.53	61.41	61.01	23.2	22.6	28.9	31.6	25.8	25.2	26.2	32.8	22.2	89	91	62	50	76	79	74.5	......
Mean	61.50	62.27	62.77	60.46	61.37	62.51	61.81	22.4	21.9	28.7	29.4	26.1	23.4	25.3	31.3	21.4	93.9	94.2	66.9	66.2	78	91	81.7	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26.2

Day.	Wind.											Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	Km.	Km.	Km.	Km.	0–10			0–10		
1..	N	N	ENE	SSW	Calm	N	35.4	46.4	56.8	26.2	164.8	0	....	S.-Cu.	6	Ci.	Cu. E
2..	Calm	N	NE	NE	N	Calm	28.4	79.5	72.7	21.4	202	0	....	S.-Cu.	7	Ci.-S.	S.-Cu. E
3..	N	NNE	NE	NE	N	NNE	35.4	72.1	94.6	37.2	239.3	5	....	S.-Cu. E	4	....	Cu. E
4..	N	NE	NE	NE	N	NNE	40.4	80.2	99.6	42.8	263	7	....	S.-Cu. ENE	5	....	Cu. NE
5..	NE	NNE	NNE	NE	N	N	48.6	82.4	107.2	42.9	281.1	8	Ci.-S.	S.-Cu. ENE	8	Ci.-S.	S.-Cu. NE
6..	N	NNE	ENE	ENE	N	N	52	70.3	74.2	34.8	231.3	2	Ci.	S.-Cu.	8	Ci.-S.	S.-Cu. E
7..	N	NNE	ENE	SW	NE	N	38.1	62.5	65.5	32.5	198.6	4	Ci.	S.-Cu. ENE	5	Ci.	Cu. ENE
8..	N	Calm	S	SSW	NE	NE	30.4	38	62.6	36.5	167.5	9	Ci.-S.	S.-Cu. ENE	5	....	Cu. ENE
9..	N	NNE	NE	NE	NE	NE	35.7	72.1	95.8	65.2	268.8	0	....	Cu.	5	....	Cu. ENE
10..	NE	NNE	NE	ENE	NE	N	26.9	60.4	71.4	34.6	193.3	7	Ci.-S.	S.-Cu. NE	8	Ci.-S.	S.-Cu. ENE
11..	N	NNE	NNE	NNE	NNE	N	35.4	60.6	90.6	57.3	243.9	8	Ci.-S.	S.-Cu. ENE	8	Ci.-S.	S.-Cu. NNE
12..	N	NNE	ENE	NE	NE	NNE	45.3	53.3	81.3	37.8	217.7	7	A.-Cu.	S.-Cu. ENE	6	....	Cu. E
13..	N	NNE	E	SSE	NE	N	38.6	54.9	60	37.5	191	6	Ci.	S.-Cu. E	7	Ci.	S.-Cu. E
14..	N	N	NE	SSW	NE	NE	38.9	67.8	60.6	40.8	208.1	0	Ci.	Cu.	6	Ci.	Cu. ENE
15..	NE	NE	NE	NE	Calm	NE	34.9	64.6	57.1	31.1	187.7	8	Ci.-S.	S.-Cu. E	9	Ci.-S.	N. ENE
16..	NE	N	SSW	SW	N	N	29.2	48.8	80.8	52.8	211.6	5	Ci.	S.-Cu.	5	Ci.	Cu. N
17..	Calm	Calm	SSW	N	N	Calm	11.3	27.9	68.2	28.2	135.6	8	Ci.-S.	S.-Cu. N	9	Ci.-S.	N. N
18..	Calm	N	ENE	NNE	N	N	17.4	50.4	85	30.4	183.2	1	....	Cu.	6	....	Cu. NNE
19..	Calm	Calm	NE	SW	NE	NE	17.5	57.4	57.9	55.8	188.6	3	Ci.	S.-Cu.	6	Ci.	Cu. NE
20..	NE	NNE	NE	NE	NE	NE	31.7	58.9	53.7	33.5	177.8	8	Ci.-S.	S.-Cu. ENE	8	Ci.-S.	S.-Cu. ENE
21..	N	NNE	SSW	SW	NE	N	21.1	54.5	75	28.8	179.4	2	Ci.	S.-Cu.	5	Ci.	Cu. N
22..	N	N	SSE	W	N	N	29.5	48	52.1	41.2	170.8	1	....	Cu.	7	....	Cu. E
23..	N	NNE	NNE	SSW	NE	NE	36.5	54.1	56.1	29.8	176.5	3	Ci.	S.-Cu.	7	Ci.-S.	S.-Cu. E
24..	Calm	N	E	SSW	NE	N	25.5	52	69.7	37.6	184.8	3	Ci.	S.-Cu.	5	Ci.	Cu. E
25..	N	N	NNE	NE	NE	N	26.4	73.7	103.6	21.5	225.5	3	Ci.	S.-Cu.	4	....	Cu. NE
26..	N	N	ENE	SW	N	NNE	35.2	42.8	81.3	33.6	192.9	0	Ci.	Cu.	6	Ci.	Cu. ENE
27..	NNE	NNE	ENE	NE	N	N	24.6	80.3	84.8	32.5	222.2	5	Ci.	S.-Cu. E	8	Ci.-S.	S.-Cu. ENE
28..	NE	NNE	NE	NE	NNE	NE	27.2	66	93.5	46.5	233.2	5	Ci.	S.-Cu. E	7	Ci.	Cu. E
Mean	......	......	......	......	......	......	32.1	60	75.4	37.5	205	4.2	....	....	6.4	....	....
Total	......	......	......	......	......	......	......	......	......	......	5,739.9	......	....	....	......	....	....

CALBAYOG

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 4.7 meters; gravity correction not applied, —1.80 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.22	60.90	62.08	60.38	60.42	61.60	60.93	24.1	23.9	29.3	28	25.9	23.2	25.7	30.9	22.4	86	85	62	61	73	93	76.7	......
2..	60.38	60.53	61.71	59.73	60.44	62.25	60.84	21.9	21.2	29.8	32.5	26.8	22.9	25.8	33.6	21.1	94	95	57	50	68	92	76	......
3..	61.69	62.34	62.89	60.41	61.46	62.71	61.92	21.8	21.5	30.4	30.4	26.6	24.7	25.9	33.7	21.4	94	94	54	59	72	84	76.2	......
4..	62.08	62.31	63.24	60.71	61.72	62.88	62.16	22.5	22.3	29.9	32	25.8	22.3	25.8	32.9	21.4	93	90	52	47	72	94	74.7	......
5..	62.06	62.75	63.06	60.76	61.18	62.64	62.08	20.8	19.7	28.4	29.9	26.8	22.2	24.6	31	19.6	94	94	66	64	67	95	80	......
6..	61.88	62.32	62.48	60.50	60.72	61.88	61.63	20.7	19.6	28	28.6	25.8	23.9	24.4	30.9	19.5	95	96	66	68	81	91	82.8	0.5
7..	61.18	61.70	62.31	60.34	60.37	61.78	61.28	22.9	22.8	29.7	30.5	26	22	25.6	32.3	21.8	91	91	53	47	65	94	73.5	.8
8..	60.96	61.74	62.25	59.69	60.33	61.69	61.11	21.7	21.8	28	28.8	26	24.7	25.2	32	21.2	95	95	65	69	81	89	82.3	.8
9..	60.93	61.08	61.62	60.21	60.88	62.08	61.13	23.9	23.8	29.8	29	25.1	23.7	25.9	31.5	22.9	94	95	74	74	94	93	87.3	9.4
10..	61.12	61.72	62.63	60.36	60.51	62.22	61.43	22.8	22.7	29.3	31.4	26.2	22.7	25.8	32.2	21.6	94	94	59	57	75	94	78.8	......
11..	61.35	62.24	62.41	59.94	60.61	61.74	61.38	21.2	22.5	28.9	30	27	24.7	25.7	32.2	21.1	95	93	65	70	73	87	80.5	......
12..	61.13	61.85	62.98	61.15	60.88	62.16	61.69	23.9	23.2	28.1	27.1	26.1	24.8	25.5	28.9	23.1	92	92	73	80	88	93	86.3	4.1
13..	61.08	61.89	62.87	60.40	60.58	61.93	61.46	23.9	22.2	29.3	30.9	26.8	23.9	26.2	33	21.8	95	96	62	67	74	92	81	......
14..	61.03	61.70	62.72	60.48	61.06	62.60	61.60	21.7	22.1	29.9	27.5	25.6	23.5	25	30.6	21.1	96	96	62	84	91	94	87.2	10.1
15..	61.23	61.79	62.85	60.73	60.97	62.46	61.67	22.8	22.8	28	28.8	26.5	24.2	25.5	29.2	22.2	94	95	71	76	84	94	85.7	.8
16..	61.43	61.98	62.47	60.26	60.97	62.37	61.58	21.2	20.2	28.7	29.8	24.2	23.9	24.7	31.8	20.1	96	96	60	65	90	92	83.2	.8
17..	60.83	61.64	62.17	60.41	61.01	62.66	61.45	22.9	23.3	29.1	28.6	26.8	24.3	25.8	30.7	22.8	93	92	64	73	72	89	80.5	......
18..	61.78	61.91	62.87	61.10	61.46	63.17	62.05	23	22	28.7	28	27	23.9	25.4	31.1	21.9	95	96	73	71	81	94	85	1.8
19..	62.22	62.39	63.26	61.81	61.89	63.60	62.53	22.6	22.9	28.9	25.5	24.8	24.2	24.8	30.7	22.4	96	96	76	92	92	93	90.8	25.6
20..	62.20	62.63	62.99	60.67	60.93	62.37	61.96	22.9	22.2	29.9	29.5	26.2	24	25.8	30.2	22.1	96	96	69	69	79	93	83.7	1.5
21..	61.28	61.50	62.15	60.27	60.20	61.74	61.19	21.5	20.4	28.2	29.7	27.9	23.2	25.2	30.2	20.4	95	96	81	64	67	93	82.7	......
22..	61.59	61.45	61.36	59.56	59.57	61.19	60.79	21.6	20.5	28.5	30	27.7	25.8	25.7	31	20.5	95	95	78	69	79	90	84.3	......
23..	60.55	61.26	61.61	59.53	60.21	61.24	60.73	22.8	21.6	29.2	30.6	26.5	24.8	25.9	31.1	21.5	96	96	70	65	88	93	84.7	.3
24..	60.03	60.90	61.71	58.90	59.36	61.17	60.34	22.8	22.2	29.3	32.5	28.2	23.9	26.5	33.8	22.1	96	96	57	44	65	93	75.2	......
25..	60.09	60.65	61.18	58.81	59.85	61.94	60.42	24.2	23.8	28.6	30.9	28.2	23.8	26.6	31.4	22.5	93	93	71	69	70	93	81.5	......
26..	61.34	61.64	61.80	58.66	60.14	61.19	60.80	21.7	19.8	28.8	29.9	25.8	23.7	25	32.1	19.7	96	96	61	69	76	91	81.5	1.8
27..	59.72	60.48	60.89	58.71	59.21	60.68	59.95	22.3	22.6	30.2	30.2	27	24.8	26.2	32.8	21.8	96	95	60	68	77	92	81.3	......
28..	59.83	60.44	61.01	59.51	60.28	60.82	60.32	23.7	23.6	29.5	25.6	24.4	23.4	25	32.4	22.8	94	95	64	91	93	94	88.5	23.6
29..	60.19	60.33	61.11	59.22	59.22	61.51	60.26	22.6	22	29.8	28.9	27.2	24.2	25.8	32.4	21.9	97	97	63	73	72	92	82.3	.5
30..	60.13	60.35	60	57.91	58.53	60.74	59.61	23.8	23.4	31.3	29.9	27.8	24.8	26.8	32.1	23.3	93	93	57	68	70	91	78.7	......
31..	59.65	59.43	60.07	57.71	58.59	60.54	59.33	24	23.5	29.6	30.5	25.8	24.7	26.4	31.3	23.4	94	94	70	69	86	93	84.3	4.1
Mean	61.01	61.48	62.09	59.96	60.44	61.92	61.15	22.6	22.1	29.2	29.5	26.4	23.9	25.6	31.6	21.7	94.3	94.3	65	67.5	77.9	92.1	81.8	......
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	86.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	N	NNE	NNE	NNE	NNE	N	19.5	59.8	103.6	26.8	209.7	10	Ci.-S.	S.-Cu.	6	Ci.	Cu. NE
2..	N	NNW	NE	NE	NE	N	36.2	58.5	89.9	43.1	227.7	4	Ci.	S.-Cu.	6	Ci.	Cu. ENE
3..	N	N	NE	SSW	NNE	NNE	52.8	72.9	75.1	79.4	280.2	5	Ci. NNE	S.-Cu.	7	Ci.	Cu. E
4..	NE	NNE	NE	NE	NNE	Calm	39.6	69.7	95.8	35.9	241	3	Ci.	S.-Cu.	5	Ci.	Cu. NE
5..	N	N	SSW	W	N	N	28	44.5	70.6	33.5	176.6	0	Ci.	Cu.	4	Ci.	Cu. NE
6..	N	N	S	SSW	N	N	41.8	49.4	52.9	48.5	192.6	2	Ci.	Cu.	8	Ci.-S.	S.-Cu. NNE
7..	Calm	NNE	NE	NE	NE	N	34.1	91.9	98.2	33.3	257.5	4	Ci.	Cu.	5	Ci.	Cu. NE
8..	NNE	NNE	NE	SW	NE	N	19.3	50.7	73.8	35.1	178.9	6	Ci.	S.-Cu. NE	8	Ci.-S.	S.-Cu. E
9..	NE	NNE	S	SW	NE	Calm	13.7	65.2	52.6	25.7	157.2	7	Ci.-S.	S.-Cu. NE	8	Ci.-S.	Cu.-N. E
10..	N	NE	NE	S	NE	N	37.5	65.4	60.4	28	191.3	7	Ci.-S.	S.-Cu.	5	Ci.	Cu. NE
11..	N	NNE	NNE	S	NE	NE	33.3	74.8	81.6	41	230.7	8	Ci.-S.	S.-Cu. ENE	8	Ci.-S.	S.-Cu. ENE
12..	N	Calm	SSW	S	Calm	NE	26.9	39.6	29	22.5	118	7	Ci.-S.	S.-Cu. ENE	9	Ci.-S.	S.-Cu. NE
13..	N	Calm	NNE	E	NE	NE	23.5	47.2	85.3	42.1	198.1	6	A.-Cu. N	S.-Cu.	5	Ci.	Cu. NE
14..	NE	NNE	ENE	SW	NE	NE	28.7	65.7	35.2	29.2	158.8	1	....	Cu.	8	Ci.-S.	S.-Cu. ENE
15..	Calm	N	ENE	E	NNE	NNE	21.2	46.4	49.1	24.1	140.8	8	Ci.-S.	S.-Cu. ENE	9	Ci.-S.	S.-Cu. ENE
16..	NNE	N	ENE	NE	NNE	Calm	24.4	63.6	87.9	35.7	211.6	0	....	Cu.	7	Ci.	Cu. NE
17..	N	NNE	ENE	SW	NE	NNE	33.6	55	71.4	47.2	207.2	8	Ci.-S.	S.-Cu. ENE	3	....	Cu. ENE
18..	N	N	SSW	SW	N	N	28.2	46.4	58.1	36.4	169.1	3	Ci.	Cu.	8	Ci.-S.	S.-Cu. ENE
19..	N	Calm	SSW	NNW	Calm	N	32.2	38.6	47.2	28.8	146.8	6	Ci.	S.-Cu. ENE	9	Ci.-S.	N. ENE
20..	N	N	S	SW	ENE	Calm	40.4	46.7	50.4	18.3	155.8	1	....	S.-Cu.	7	Ci.	Cu. E
21..	N	N	S	SW	Calm	N	33.3	52.1	61.2	26.2	172.8	0	Ci.	Cu.	4	Ci.	Cu. E
22..	N	Calm	S	SSW	N	Calm	32.5	45.9	62	30.4	170.8	0	....	Cu.	3	....	Cu.
23..	NNE	N	S	SW	N	Calm	23.3	40.4	50.7	29.8	144.2	2	....	S.-Cu.	7	Ci.-S.	Cu. E
24..	N	N	NE	NE	N	N	29.5	51.8	62.5	43.3	187.1	5	Ci.	S.-Cu.	4	Ci.	Cu. NNE
25..	Calm	NNE	ESE	SW	NE	N	20.6	52.3	61	44.8	178.7	9	Ci.-S.	S.-Cu. E	7	Ci.	Cu. E
26..	Calm	N	NE	NE	NE	N	22.2	63.3	76.1	46.2	207.8	3	Ci.	S.-Cu.	8	Ci.-S.	S.-Cu. ENE
27..	N	N	NE	SW	N	N	30	64.4	75.8	35.7	205.9	4	Ci.	S.-Cu.	7	Ci.	Cu. NE
28..	Calm	N	ENE	N	N	Calm	21.1	59	34.1	26	140.2	4	Ci.	S.-Cu. NE	10	Ci.-S.	N. NE
29..	Calm	NNE	N	S	NE	Calm	25.7	60.6	57.4	31.1	174.8	4	Ci.	S.-Cu.	9	Ci.-S.	S.-Cu. NE
30..	Calm	NNE	ENE	SSW	NE	NE	27.9	56.1	63.9	30.1	178	7	Ci.	S.-Cu. NE	4	Ci.	Cu. NE
31..	NE	NNE	SE	SW	E	N	35.1	52.1	62.3	22.2	171.7	7	Ci.-S.	S.-Cu. E	4	Ci.	Cu.
Mean	......	......	......	......	......	......	29.6	56.5	65.6	34.9	186.5	4.5	......	......	6.5	......	......
Total	......	......	......	......	......	......	......	......	......	......	5,781.6	......	......	......	......	......	......

CALBAYOG

[φ=12° 04′ N; λ=124° 36′ E; barometer above sea, 4.7 meters; gravity correction not applied, −1.80 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.93	60.40	61.16	58.76	59.79	61.33	60.23	22.7	22.7	29.6	30.5	25.9	24.6	26	31.2	22.6	95	96	72	71	87	93	85.7	....
2..	59.85	60.60	61.30	59.45	60.18	61.63	60.50	22.2	21.2	29.6	30.6	25.8	24.8	25.7	31.4	21.1	96	96	69	62	93	93	84.8	10.9
3..	60.58	60.70	60.79	58.89	59.06	60.41	60.07	22.4	22.3	28	30.1	26.5	23.9	25.5	30.8	21.7	96	96	75	67	89	94	86.2	2.8
4..	59.72	60.11	61.21	58.74	59.11	61.36	60.04	21.9	21.5	29	30	28.8	24.2	25.9	30.8	21.4	95	97	71	62	69	94	81.3	....
5..	61.07	61.01	61.30	59.06	59.69	61.68	60.64	21.5	20.8	28.7	29.9	28	25.5	25.7	30.8	20.6	95	96	71	66	77	92	82.8	....
6..	61.13	60.98	61.42	59.14	60.13	61.83	60.77	22.8	22.4	30.3	29.9	27.7	25	26.4	31.6	22.3	95	96	69	69	84	92	84.2	.8
7..	60.84	61.10	61	58.03	58.91	60.43	60.05	24.6	22.5	30.1	29.9	28	24.1	26.5	32	22.3	93	96	67	66	67	94	80.5	....
8..	58.88	59	59.22	56.93	57.94	59.48	58.58	23.4	22.3	29.9	29	25.4	25	25.8	31.5	22.3	95	96	66	81	93	93	87.3	9.4
9..	58	58.22	59.16	58.01	58.10	59.45	58.49	24.9	24.5	27	24.9	25	23.9	25	27.5	23.6	92	95	90	94	95	93	93.2	34.3
10..	57.90	58.31	58.96	57.41	58.32	59.69	58.43	23.5	23.4	28.2	29.3	25.6	24.6	25.8	30.2	23.4	96	96	83	79	93	93	90	7.4
11..	58.39	59.08	59.89	57.33	57.90	59.69	58.71	24	24.1	30.6	28.4	28	24	26.5	32	22.5	97	97	71	77	85	94	86.8	1
12..	59.10	59.23	59.81	57.28	57.87	60.03	58.89	22.1	22	29.5	31.2	27.7	22.9	25.9	32	21.6	96	96	76	65	66	93	82	....
13..	59.21	59.40	59.94	57.40	57.98	60.08	58.99	22.1	22.7	30.4	30.8	29	25	26.7	32.4	21.7	96	95	69	65	73	93	81.8	....
14..	59.13	59.40	60.01	57.75	58.86	60.73	59.31	23.8	22.9	29.7	31.3	29.2	26.1	27.2	32.4	22.4	94	96	72	64	76	89	81.8	....
15..	60.11	60.50	60.79	58.45	58.84	61.53	60.04	24.5	23.2	30.1	32.2	29	25.2	27.4	33.1	22.9	94	96	71	63	83	92	83.2	....
16..	60.82	60.70	60.84	58.46	58.81	60.51	60.02	22.7	22.1	30.4	29.9	28	24.9	26.3	32.3	21.4	95	96	66	73	74	92	82.7	.8
17..	59.53	59.70	59.97	58.03	58.41	60.11	59.29	23.8	23.9	29.4	30	27.5	24.8	26.6	32	23.3	96	95	78	74	84	93	86.7	1.6
18..	59.28	59.38	60.37	58.91	58.98	60.57	59.58	24.1	24	30.4	28.3	27.9	24.7	26.6	31.3	23.5	96	96	72	82	82	94	87	2.3
19..	59.98	60.30	61.31	59.16	60.12	62.39	60.54	23.8	23.5	31.7	30.7	27.4	24.2	26.9	32.2	22.6	95	96	63	69	84	94	83.5	10.7
20..	61.25	61.12	62.11	59.65	60.50	62.56	61.20	24.4	24.5	30.7	32.7	27.7	25.2	27.5	33.7	23.8	95	94	62	54	73	90	78	....
21..	61.70	61.85	61.45	59.26	59.50	61.66	60.90	22.9	22.1	30.6	30.5	28.3	23.2	26.3	33	21.9	95	96	60	65	61	93	78.3	....
22..	60.58	60.55	61.26	59.16	59.56	61.19	60.38	22.8	22.8	29.8	27.7	28.1	24.3	25.9	31.2	21.7	96	97	69	84	79	93	86.3	3.3
23..	60.04	61.14	61.29	59.37	59.89	61.94	60.61	22.9	22.7	30.6	29.1	26.1	23.8	25.9	31.6	22.5	96	97	72	69	82	94	85	7.6
24..	60.78	61.14	61.56	59.39	59.91	62.06	60.81	22.7	22.4	30.5	30.6	28.7	24.6	26.6	31.6	21.6	96	96	66	69	71	93	81.8	....
25..	60.64	60.90	61.29	58.49	59.40	61.59	60.38	22.8	23	30	30.2	27.6	24.8	26.4	31.8	22.7	97	97	74	71	81	93	85.5	....
26..	59.83	60.50	60.71	58.26	59.35	60.71	59.89	22.9	22.5	29.9	31	27.5	24.7	26.4	31.8	22.2	96	96	68	63	79	94	82.7	....
27..	59.57	59.55	59.91	57.51	58.14	59.62	59.05	23.1	22.8	30	30.6	28.4	24	26.5	31.9	22.3	96	97	69	72	76	94	84	....
28..	58.77	59.10	59.29	57.98	58.27	59.64	58.84	22.3	23	31.3	28.4	26.8	24.8	26.1	32.5	22	96	96	60	76	89	94	85.2	10.4
29..	58.70	59.21	60.33	58.71	59.13	60.84	59.49	23	22.4	28.9	29.5	25.7	23.7	25.5	30.1	22.3	96	96	76	72	91	94	87.5	.5
30..	59.73	60.06	60.46	58.12	58.68	60.26	59.55	22	21.8	30.3	30	28.3	23.6	26	31.7	21.2	96	97	63	69	74	94	82.2	....
Mean	59.83	60.11	60.60	58.44	59.04	60.83	59.81	23.1	22.7	29.8	29.9	27.5	24.5	26.2	31.6	22.2	95.4	96.1	70.3	70.4	80.3	93	84.3	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	103.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	N	NNE	SSE	SW	NNE	Calm	25.7	49.7	69.7	24.7	169.8	6	Ci.	S.-Cu. E	4	Ci.	Cu.
2..	N	NNE	SW	WSW	NNE	N	30.8	52	67.1	31.9	181.8	2	Ci.	Cu.	4	Ci.	Cu.
3..	N	N	SW	W	N	N	29.8	42.4	39.9	30.1	142.2	3	Ci.	Cu.	8	Ci.-S.	Cu.-N. ENE
4..	N	N	S	SW	Calm	Calm	34.4	49.3	55.8	17.5	157	3	Ci.	Cu.	4	Ci.	Cu.
5..	N	NNE	SSW	SW	N	N	32.4	50.1	56.1	32.8	171.4	2	Ci.	Cu.	2	Ci.	Cu.
6..	N	NNE	SSW	SW	NE	NE	31.4	53.7	63.3	35.9	184.3	2	Ci.	Cu.	4	Ci.	Cu.
7..	Calm	N	S	SW	NE	NE	16.1	44.3	87.9	31.2	179.5	0	Ci.	Cu.	3	Ci.	Cu. NE
8..	NNE	N	NE	NNE	NE	NE	27.6	57.9	61.4	43.1	190	2	Ci.	Cu.	8	Ci.-S.	Cu.-N. ENE
9..	NE	Calm	S	SSE	NE	NE	26.8	28.2	33.5	37.5	126	10	Ci.-S.	S.-Cu ENE	10	Ci.-S.	N. SSE
10..	NE	NNE	SW	SW	NE	NE	27.2	41	60.4	24.9	153.5	5	Ci.	S.-Cu.	8	Ci.-S.	Cu.-N. E
11..	NNE	NE	SE	Calm	NE	Calm	34.4	55.2	38.1	25.2	152.9	8	A.-Cu.	S.-Cu. E	8	A.-S. E	Cu.-N.
12..	N	NNE	S	SSW	E	NE	32.5	53.3	52.8	35.7	174.3	1	....	Cu.	4	....	Cu. ENE
13..	N	NNE	S	SW	ENE	NE	44.9	58.9	46.4	25.2	175.4	0	....	Cu.	3	....	Cu. ENE
14..	N	NNE	S	SW	NW	Calm	32.4	46.7	58.7	23.6	161.4	2	Ci.	Cu.	3	....	Cu.
15..	N	N	SW	W	SSE	NE	27.9	46.2	69.5?	28.8	172.4	2	Ci.	Cu.	5	Ci.-Cu.	Cu. ENE
16..	N	N	SSE	SW	ENE	NE	32	56.6	56	38.9	183.5	2	....	Cu.	6	Ci.	Cu. ENE
17..	NE	NNE	S	SW	N	N	25.2	42.9	48	26.4	142.5	6	Ci.-S.	S.-Cu. ENE	7	Ci.	Cu. ENE
18..	NE	N	SSW	NNW	NE	NE	33.2	56.6	45.7	39.6	175.1	0	....	Cu.	8	Ci.-S.	N. ENE
19..	N	NNE	ENE	SW	N	N	36.7	51.2	43.8	30.6	162.3	0	....	Cu.	8	Ci.-S.	Cu.-N. ENE
20..	Calm	NNW	E	E	NE	Calm	29.8	55.3	60	39.4	184.5	1	....	Cu.	5	Ci.	Cu. E
21..	Calm	N	NE	SW	NNE	NNE	27.6	63.4	82.7	34.3	208	3	Ci.	Cu.	6	Ci.	Cu. ENE
22..	N	N	ENE	S	SE	NNE	28	49.1	51.2	23.1	151.4	2	Ci.	Cu.	8	Ci.-S.	Cu.-N. E
23..	N	N	S	Calm	N	NNE	34.1	47.3	42	27.6	151	5	Ci.	S.-Cu.	7	Ci.-S.	Cu.-N. E
24..	N	NNE	ENE	SW	NE	NE	27.2	46.7	54.5	37	165.4	0	Ci.	Cu.	6	Ci.	Cu. E
25..	N	Calm	E	W	N	N	30.1	52.8	57.7	29.3	169.9	4	Ci.	Cu.	6	Ci.	Cu. ENE
26..	N	Calm	S	SW	NNW	N	30.1	45.6	59.7	27.7	163.1	5	Ci.	Cu.	6	Ci.	Cu.
27..	N	N	S	SSW	Calm	Calm	31.6	48.1	55	25.2	159.9	4	Ci.	S.-Cu.	8	Ci.-S.	S.-Cu. E
28..	N	NNE	ENE	S	N	Calm	30.8	60	50.4	21.1	162.3	5	Ci.	S.-Cu. ENE	9	Ci.-S.	N. ESE
29..	N	N	S	SSE	N	N	29.8	34.8	42.4	25.2	132.2	7	Ci.-S.	S.-Cu. E	8	Ci.-S.	Cu.-N. E
30..	N	NNE	E	W	NE	Calm	34.9	50.4	58.2	34.3	177.8	4	Ci.	S.-Cu. E	5	....	Cu. E
Mean	......	......	......	......	......	......	30.5	49.7	55.6	30.3	166	3.2	....	....	6	....	....
Total	......	......	......	......	......	......	......	......	......	......	4,980.8	....	....	....	....	....	....

CALBAYOG

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 4.7 meters; gravity correction not applied, —1.80 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*G.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.83	60.18	60.31	57.58	58.25	60.13	59.38	21.9	21.9	29.9	31.9	29.7	24.6	26.6	32.5	21.4	96	96	64	63	69	94	80.3	....
2..	59.82	60.25	60.30	57.59	58.43	60.53	59.49	22.4	22.6	31.1	30.5	28.7	24.9	26.7	32.7	21.8	96	97	66	66	67	92	80.7	....
3..	59.37	59.38	59.85	58.26	58.46	60.24	59.26	22.9	23.5	31.5	28.9	28	24.8	26.6	33.6	22.5	96	94	58	71	71	94	80.7	1.3
4..	59.35	59.38	59.71	57.93	59.18	60.71	59.38	23.2	22.6	30.9	30.8	28.2	25.9	26.9	33.9	22.4	95	96	65	68	74	90	81.3	....
5..	59.74	60.38	61.17	59.96	59.93	61.33	60.42	24.8	23.9	28.7	27.6	28.4	25.6	26.5	32.8	23.8	93	95	78	89	76	93	87.3	13.5
6..	60.27	60.45	60.42	58.21	59.37	60.71	59.90	24.7	23.3	30.6	31	28.4	25.4	27.2	32.1	23.2	94	95	69	70	80	90	83	....
7..	59.45	59.60	60.16	58.12	58.16	59.92	59.24	23.8	23.5	29.7	28	28.7	25.5	26.5	31.9	23.1	95	96	71	74	80	94	85	2
8..	58.73	58.83	59.29	58.35	58.68	60.58	59.08	23.8	23.6	30.4	26.4	25.7	24	25.6	31.4	22.9	95	96	70	82	92	96	88.5	5.1
9..	59.58	59.76	59.91	57.83	58.37	60.16	59.27	22.5	22.1	29.8	28.1	26.3	24.3	25.5	31.6	22	96	96	69	82	91	94	88	7.9
10..	59.08	59.23	59.69	57.98	57.79	59.67	58.91	23	22.8	30.4	28.4	26.3	24.2	25.8	31.6	22.4	97	97	68	79	88	94	87.2	....
11..	57.90	58.18	58.61	56.48	57.51	59.54	58.04	22.9	22.8	30.2	31	28.7	25.8	26.9	32.2	22.2	96	97	68	64	75	92	82	....
12..	58.40	58.62	59.07	56.84	57.36	59.07	58.23	24.8	23.7	30.7	31.9	28.6	25.8	27.6	32.4	23.3	93	97	69	62	75	92	81.3	....
13..	58.52	58.64	59.04	56.80	57.33	59.31	58.27	24	23.6	31.3	32.2	27.3	25.7	27.4	34.2	23.2	95	96	66	61	81	91	81.7	....
14..	58.39	58.50	58.71	56.88	56.96	58.73	58.03	24.2	24.1	31.5	33.1	30.4	26.1	28.2	34.2	23.3	96	96	65	55	69	90	78.5	....
15..	57.30	57.32	58.44	56.49	56.61	58.36	57.42	24	23.8	29.5	31	29.3	26	27.3	33.3	23.5	96	95	76	67	74	90	83	....
16..	57.65	57.57	58.36	55.54	56.62	58.77	57.42	24.3	24.7	31.6	32.6	25.3	25.5	27.3	33.8	23.5	96	96	66	59	88	88	82.2	12.9
17..	57.60	57.92	57.86	55.77	56.34	58.73	57.37	24.6	24.3	30.9	31.8	30.5	26	28	32.2	23.7	95	97	71	59	70	90	80.3	....
18..	57.60	57.81	58.01	55.65	56.40	58.30	57.30	24.9	25	31.8	31.7	30.8	26.7	28.5	33.1	24.6	96	96	65	66	65	86	79	....
19..	58.47	58.69	58.88	56.44	57.25	59.50	58.20	25.5	25.3	31.6	32	30.8	27.7	28.8	33.2	24.6	95	96	66	64	69	81	78.5	....
20..	58.78	59.39	59.85	57.12	57.70	59.87	58.78	26.2	25.2	31.8	32.8	30.1	27	28.8	33.4	24.4	92	93	69	60	73	87	79	....
21..	59.64	59.85	60.16	58.11	58.62	60.24	59.44	25.1	25.4	31.8	31.8	27.7	24.8	27.8	34.5	23.4	92	92	65	66	82	93	81.7	....
22..	59.45	59.20	59.20	57.20	58.13	59.76	58.82	22.8	22.7	31.3	32.8	28.6	26.3	27.4	34.3	21.8	96	97	66	66	79	91	82.5	5.6
23..	58.68	59.33	59.53	58.16	58.37	59.73	58.97	25	26.1	31.4	27.7	25.7	24.9	26.8	33.2	24.5	94	94	68	85	93	94	88	6.4
24..	59.04	59.24	59.85	57.75	57.97	59.55	58.90	23.9	24	30.6	31.3	29.8	26.8	27.7	32.2	23.4	97	96	72	69	71	87	82	....
25..	58.74	59.30	59.92	57.47	58.44	59.51	58.90	25	24.6	31.3	32.2	29.8	25.2	28	33	23.6	92	93	65	52	71	92	77.5	....
26..	58.64	59	59.12	56.69	56.76	58.70	58.15	23.9	24	31	32.4	30	26.6	28	32.7	23.4	96	95	68	56	73	89	79.5	....
27..	57.66	57.50	58.09	55.57	55.96	58.26	57.17	24.5	24.7	31.5	32.1	28.4	26.1	27.9	32.9	24	94	94	65	63	76	89	80.2	19.3
28..	57.35	57.62	58.01	55.72	56.42	58.58	57.28	24.8	24.4	30.6	30.8	27.4	25.9	27.3	31.1	24.2	95	96	74	69	83	92	84.8	....
29..	57.23	57.17	58.22	55.70	56.46	58.94	57.29	24.2	23.4	30.8	32	29	26.9	27.7	32.7	23	94	97	71	66	79	91	83	....
30..	57.76	57.94	58.11	56.83	56.71	59.66	57.84	24.3	24.3	31	31	29.4	27	27.8	32.8	23.9	96	96	71	65	75	86	81.5	1.5
31..	58.86	59.33	59.91	57.78	58.14	59.42	58.91	25.3	25.4	29.3	30.8	27.6	25.1	27.2	31.7	24.9	90	89	74	68	81	92	82.3	....
Mean	58.67	58.89	59.28	57.19	57.70	59.56	58.55	24.1	23.9	30.8	30.9	28.5	25.7	27.3	32.8	23.3	94.8	95.4	68.3	67.3	77.1	90.8	82.3	....
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	75.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	N	NNE	SE	SSW	SW	N	39.4	45.4	59.8	29.6	174.2	2	....	Cu.	3	Ci.	Cu. E
2..	N	N	SSE	SW	NE	NE	39.9	42.9	86.9	47	216.7	0	Ci.	Cu.	5	....	Cu. E
3..	N	NNE	NE	SSW	NE	N	49.3	70	56.3	31.6	207.2	0	Ci.	Cu.	7	Ci.	Cu.-N. ENE
4..	N	NNE	ENE	SW	NE	NE	25.2	51.5	77.7	44	198.4	1	....	Cu.	6	....	Cu. E
5..	NE	NNE	SE	SSW	ENE	NE	26.6	38.4	46.4	41.3	152.7	2	Ci.	Cu.	7	Ci.	Cu.-N. E
6..	NNE	NNE	S	W	NE	NE	23.5	48.9	62.5	39.1	174	2	Ci.	Cu.	7	....	Cu. E
7..	NE	N	S	SSW	Calm	NE	26.8	45.1	49.3	35.9	157.1	2	Ci.	Cu.	7	Ci.	Cu.-N. ESE
8..	NNE	NNE	S	SE	NE	N	25.7	53.7	55.5	34	168.9	4	Ci.	S.-Cu.	9	Ci.-S.	N. ESE
9..	N	N	S	NW	N	Calm	27.4	44	52.1	27.9	151.4	3	Ci.	Cu.	8	Ci.-S.	Cu.-N. E
10..	N	N	S	NW	N	Calm	34.3	49.6	56	29.3	169.2	2	Ci.	Cu.	8	Ci.-S.	Cu.-N. NNE
11..	N	N	S	SSW	N	Calm	32	43.8	52	21.5	149.3	2	Ci.	Cu.	3	Ci.	Cu.
12..	NE	NNE	S	W	N	Calm	23.5	52.5	52.9	23	151.9	5	Ci.	S.-Cu.	4	Ci.	Cu.
13..	NE	NNE	S	SSW	NE	NNE	30	49.7	61.7	33	174.4	0	Ci.	Cu.	4	Ci.	Cu.
14..	NE	NNE	S	ESE	E	NE	35.4	50.2	53.4	24.7	163.7	2	Ci.	Cu.	4	Ci.	Cu.
15..	NE	NNE	SE	SSW	NW	NE	31.7	34.4	52	31.1	149.2	7	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.
16..	N	NE	S	SW	NW	NNE	30	48.6	66.8	23	168.4	4	Ci.	Cu.	5	Ci.	Cu.
17..	N	N	S	SSW	NE	NE	28.7	41.3	54.2	22.2	146.4	5	Ci.	S.-Cu.	4	Ci.	Cu.
18..	NE	Calm	SE	SW	W	NE	23.1	45.1	57.3	24.3	149.8	4	Ci.	Cu.	3	Ci.	Cu.
19..	NE	NNE	S	SW	Calm	NE	22	40.8	40.5	32.7	136	4	Ci.	S.-Cu. S	4	Ci.	Cu.
20..	NE	NE	S	S	SE	ENE	27.4	38.6	42.6	26	134.6	6	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.
21..	NE	NE	S	SSW	NE	Calm	25.1	50.4	50.9	17.4	143.8	4	Ci.	Cu.	7	Ci.-S.	Cu.-N.
22..	N	N	S	SSW	S	NE	36.4	48.8	65	30.1	180.3	0	Ci.	Cu.	7	Ci.-S.	Cu.-N.
23..	N	NNE	S	NE	N	N	27.2	55.8	54.7	28	165.7	4	Ci.	S.-Cu.	9	Ci.-S.	N. SE
24..	N	N	S	SW	W	Calm	25.2	50.7	46.1	21.4	143.4	5	Ci.	S.-Cu.	5	Ci.	Cu.
25..	Calm	NNE	S	SSW	NE	NE	22.3	49.7	60.7	24.9	157.6	3	Ci.	Cu.	4	Ci.	Cu.
26..	N	NNE	SSE	SSW	ENE	NE	31.2	43.7	51.7	21.4	148	6	Ci.	S.-Cu.	2	Ci.	Cu.
27..	NE	NNE	S	SSW	NE	Calm	26	36.8	53.1	26.4	142.3	3	Ci.	Cu.	2	Ci.	Cu.
28..	N	N	S	SW	Calm	NE	34.4	30.6	44.5	18.7	128.2	8	Ci.-S.	Cu.-N. S	8	Ci.-S.	Cu.-N.
29..	NNE	NNE	S	SSW	NE	NE	26.4	33.3	40.8	29.6	130.1	5	Ci.	S.-Cu.	3	Ci.	Cu.
30..	NE	NNE	SSW	SSE	SSE	Calm	28.2	44.1	109.2	37.3	218.8	6	Ci.	S.-Cu. ESE	7	Ci.-S. SE	Cu.-N.
31..	NE	NE	SE	SW	NE	NE	27.2	31.9	55	33.5	147.6	8	Ci.-S.	S.-Cu.	5	Ci.-S. ESE	Cu.
Mean	......	......	......	......	......	......	29.4	45.5	57	29.4	161.3	3.5	....	....	5.5	....	....
Total	......	......	......	......	......	......	......	......	......	.....	4,999.3	....	....	....	....	....	....

CALBAYOG

[$\phi = 12°\ 04'$ N; $\lambda = 124°\ 36'$ E; barometer above sea, 4.7 meters; gravity correction not applied, —1.80 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.95	59.20	59.79	58.14	57.63	59.53	58.87	23.7	24.5	31.5	26.2	27.8	25	26.4	32.4	23.3	97	96	69	90	84	93	88.2	14.5
2..	58.29	58.04	58.12	56.64	56.66	58.45	57.70	24	24.1	30.5	31.2	27.7	24.8	27	32.3	23.2	96	96	72	66	81	93	84	......
3..	57.61	57.72	57.76	55.98	56.62	58.40	57.35	23.4	23.7	30.2	31	27.5	25.2	26.8	32.2	22.8	96	96	68	71	86	93	85	6.1
4..	57.50	57.72	57.85	56.41	56.97	58.46	57.48	24	24.2	30.4	29.4	28.5	25.4	27	31.7	23.2	96	96	70	75	83	86	84.3	......
5..	57.76	58.63	58.75	58.18	58.23	59.37	58.49	24.3	24.3	30.4	26.7	27.4	25.3	26.4	31.9	23.9	94	95	73	80	87	94	87.2	......
6..	58.59	58.68	59.07	58.53	58.64	60.07	58.93	24.1	24.3	31.3	25.4	25.7	24.3	25.8	32.1	23.8	97	96	69	93	94	95	90.7	51.6
7..	59.22	59.35	58.86	56.91	58.12	59.46	58.65	23.4	23.3	30.8	31.8	26.6	25.7	26.9	32.2	22.8	95	96	72	69	89	93	85.7	7.7
8..	57.54	57.60	57.87	55.47	53.22	53.99	55.95	24.2	24.2	24.6	24.9	24.2	24.5	24.4	25.2	23.6	96	95	97	94	97	94	95.5	169.7
9..	53.82	54.96	56.31	55.11	55.82	57.05	55.51	24.6	25.7	28.1	29.3	26.8	25.7	26.7	30.3	22.8	95	93	82	80	87	93	88.3	17.2
10..	56.19	56.88	57.38	56.39	56.86	57.91	56.94	25.6	26.8	29.4	30	28.6	27.7	28	30.4	25.4	93	86	76	69	80	84	81.3	1
11..	56.83	57.33	57.31	56	56.51	58.35	57.06	26.6	26.6	29.7	30.8	29.1	28.5	28.6	31.7	25.7	86	85	75	68	78	81	78.8	2.8
12..	57.13	57.54	58	56.49	57.16	58.71	57.50	25.2	25.7	29.2	31.8	29.4	25.9	27.9	32.2	24.8	93	91	76	69	74	93	82.7	......
13..	57.80	58.28	58.59	57.09	57.46	59.16	58.06	26.8	27.6	30.7	30.9	28.8	28	28.8	32	25.5	88	85	75	65	73	77	77.2	......
14..	58.04	58.27	58.77	57.32	57.39	59.43	58.20	25	24.8	30.6	31.4	29.4	24.9	27.7	31.9	24.1	93	93	66	66	72	92	80.3	......
15..	58.64	58.90	58.67	57.39	58.04	59.66	58.55	24.6	24.9	30.5	30.6	29.3	25.7	27.6	31.8	23.7	95	96	67	65	72	93	81.3	1.3
16..	58.66	58.79	59.37	57.80	58.09	59.69	58.73	24.7	26.2	30.6	30.9	29.8	25.8	28	31.5	24.6	94	94	76	67	71	93	82.5	......
17..	58.98	59.30	59.14	57.57	58.02	59.23	58.71	24.5	24.5	30.4	31	28.1	24.9	27.2	31.6	24.1	95	96	73	67	81	94	84.3	......
18..	58.32	58.27	58.29	56.76	57.67	58.19	57.92	24	24.3	30.5	30.5	27.7	25.7	27.1	31.5	23.3	96	96	72	67	83	93	84.5	2.8
19..	56.88	57.36	57.32	56.58	57.41	58.41	57.33	25.8	25	29.5	26	25	24.2	25.9	30.1	24.1	93	96	76	85	90	96	89.3	6.8
20..	57.40	57.86	58.17	57.17	57.57	59.01	57.86	25.3	25.3	27.7	28.8	27.5	24.6	26.5	30.6	23.9	91	89	78	73	76	94	83.5	.5
21..	57.96	58.59	59.35	58.01	58.04	60.03	58.66	26.7	25.6	30.4	30.1	29	26	28	31.1	23.9	88	91	72	68	74	92	80.8	14
22..	59.23	59.84	59.47	58.06	58.58	59.58	59.13	26.6	27.5	30.5	30.7	29	28	28.7	31.1	25.6	89	86	72	76	77	79	79.8	.3
23..	58.86	58.60	58.94	57.60	58.39	59.41	58.63	24.8	24.7	30.2	30.4	28.8	25.8	27.4	30.9	23.9	95	96	74	72	75	93	84.2	.8
24..	58.10	58.57	58.22	57.21	57.69	58.54	58.06	24.3	24.3	30.1	28.6	26	25.2	26.4	30.9	23.9	95	96	77	78	92	94	88.7	.8
25..	57.29	57.63	57.82	56.45	56.17	57.61	57.16	26.7	26.7	26	25.9	26	25.9	26.2	27.6	24.7	89	88	92	92	89	89	89.8	38.9
26..	56.74	56.88	57.58	56.31	56.46	57.64	56.94	25.3	26.2	26.8	27.4	26.9	26.1	26.4	28	24.8	89	84	85	81	81	85	84.2	3.3
27..	57.45	58.13	58.66	57.19	57.28	59.22	57.99	26	24.5	29.9	31.5	28.8	25.2	27.6	32	24.4	85	92	73	63	76	94	80.5	......
28..	59.18	59.62	59.34	57.76	58.36	59.86	59.02	24	23.7	29.7	29	26.8	24.9	26.4	31.1	23.6	96	97	77	79	86	92	87.8	4.5
29..	58.88	59.33	59.04	57.16	57.48	58.30	58.36	24	24	30.8	29.8	28.3	24.8	27	32.1	22.9	93	94	67	79	88	93	85.7	21.3
30..	57.15	56.75	57.11	55.31	55.40	55.30	56.17	24	23.8	26.6	26.9	26	25.2	25.4	28.2	23.6	94	97	93	90	94	94	93.7	3.6
Mean	57.83	58.15	58.36	56.97	57.26	58.60	57.86	24.9	25	29.6	29.3	27.7	25.6	27	31	24	93.1	92.9	75.5	75.2	82.3	91	85	......
Total	....																							369.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	N	NNE	SSE	NNE	NE	NE	27.9	48.3	49.7	27.9	153.8	3	Ci.	Cu.	7	Ci.-S.	Cu.-N.
2..	N	NNE	S	ENE	NE	NE	29.6	53.1	58.5	34	175.2	0	....	Cu.	8	Ci.-S.	Cu.-N. E
3..	NNE	NNE	S	SW	NE	NE	38.6	41.6	67.8	22	170	6	Ci.-S.	Cu.	5	Ci.	Cu.
4..	N	NNE	S	NE	NE	NE	31.2	45.7	41.2	29.5	147.6	3	Ci.	Cu.	7	Ci.-S.	Cu.-N.
5..	NNE	N	S	NNE	Calm	NNE	32.5	45.7	46.4	25.1	149.7	7	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N.
6..	NE	NNE	NNE	NE	Calm	N	36.2	38.3	27.9	19.5	121.9	5	Ci.	Cu.	9	Ci.-S.	N. NE
7..	N	N	NE	NNW	NNE	Calm	34.3	39.7	51.5	23.5	149	5	Ci.	Cu.	8	Ci.-S.	Cu.-N. NE
8..	NE	NNE	NW	NW	NW	WSW	29.5	47.5	77.7	336.1	490.8	10	Ci.-S.	N. NNE	10	Ci.-S.	N. NNW
9..	SW	SSW	S	S	S	SE	331.5	117	95.2	29.3	573	10	Ci.-S.	N. SSW	9	Ci.-S.	S.-Cu. SSW
10..	S	SSW	SSW	S	SSW	SSE	138.4	125	54.7	46.7	364.8	9	Ci.-S.	N. SSW	8	Ci.-S.	S.-Cu.
11..	SE	E	SE	S	Calm	SSW	40.7	67.3	82.1	96.8	286.9	7	Ci.-S.	S.-Cu. SSE	7	Ci.-S.	S.-Cu.
12..	SE	E	SSE	SSW	SE	NNE	36.4	64.6	56.6	13.5	171.1	9	Ci.-S.	S.-Cu.	4	Ci.	Cu.
13..	SW	SW	SE	SSW	W	SSW	56.9	58.7	60.9	63.3	239.8	8	A.-Cu. SE	S.-Cu.	4	Ci.	Cu.
14..	N	N	S	SSW	Calm	N	22.5	41.3	54.7	23.9	142.4	0	Ci.	Cu.	1	....	Cu.
15..	N	NNE	SW	W	Calm	N	29.3	77.5	67.9	17.4	192.1	0	....	Cu.	3	....	Cu. SW
16..	NE	E	SSW	SW	W	NE	26.4	50.5	64.1	23.1	164.1	7	Ci.	S.-Cu. SW	2	Ci.	Cu.
17..	N	NNE	S	W	Calm	N	28.8	38	47	20.3	134.1	7	Ci.-S.	Cu.-N.	7	Ci.-S.	Cu.
18..	N	NNE	S	W	Calm	N	27.9	38.8	55.8	21.7	144.2	7	Ci.-S.	S.-Cu. SW	7	Ci.-S.	Cu.
19..	NW	N	SW	W	Calm	Calm	47	47.8	50.4	12.7	157.9	8	A.-Cu. NE	S.-Cu. W	10	Ci.-S.	N. W
20..	W	WSW	WSW	WSW	Calm	NW	50.4	79.9	68.7	17.4	216.4	10	Ci.-S.	N. WSW	8	Ci.-S.	S.-Cu. WSW
21..	W	Calm	SW	WSW	WSW	SW	32.5	81.1	77	49.4	240	4	Ci.	S.-Cu. W	3	Ci.	Cu. W
22..	SW	WSW	WSW	WSW	WSW	SW	50.9	55.3	68.6	48.9	223.7	8	A.-Cu.	S.-Cu. W	3	Ci.	Cu. W
23..	N	NNE	SW	WSW	W	NNW	20.6	46.9	78.1	19.9	165.5	5	Ci.	S.-Cu. WSW	8	Ci.-S.	S.-Cu. W
24..	N	NNE	SW	W	Calm	Calm	27.6	57.4	63.3	18.8	167.1	7	Ci.-S.	S.-Cu. W	9	Ci.-S.	S.-Cu. W
25..	W	W	W	W	W	WSW	93	59.7	59.8	72.2	284.7	9	Ci.-S.	N. W	10	Ci.-S.	N. W
26..	WSW	SW	SSW	SSW	SSW	Calm	125	169.8	156.4	102.5	553.7	10	Ci.-S.	N. WSW	10	Ci.-S.	S.-Cu. SW
27..	SW	Calm	S	SW	Calm	N	40.2	39.6	35.7	18.3	133.8	7	A.-Cu. SE	S.-Cu.	2	Ci.	Cu.
28..	N	N	S	Calm	N	N	30.9	41.3	47.8	38.1	158.1	3	Ci.	Cu.	9	Ci.-S.	N.
29..	N	N	N	NW	Calm	N	31.6	51.3	24.7	12.9	120.5	2	Ci.	Cu.	7	Ci.-S.	S.-Cu. N
30..	N	N	Calm	Calm	ENE	Calm	23.6	10.5	11.3	11.3	56.7	9	Ci.-S.	S.-Cu. N	10	Ci.-S.	S.-Cu.
Mean	......						52.4	59.3	60	43.2	215	6.2	......		6.8	......	
Total	......										6,448.6	......					

CALBAYOG

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 4.7 meters; gravity correction not applied, —1.80 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	54.70	54.11	54.89	53.75	53.96	55.32	54.46	24.5	25.2	27.6	27.9	26.7	26.4	26.4	28.2	23.9	95	96	80	82	87	89	88.2	3.5
2..	55.10	55.77	57.11	57.04	58.04	59.63	57.12	27.2	27.2	27.8	24	26.5	26.8	26.6	28.6	23.6	83	81	77	97	84	83	84.2	7.1
3..	59.06	60.03	60.47	59.11	59.31	61.46	59.91	24.9	25.7	29.6	30	28.9	25.1	27.4	31.4	24	94	89	77	78	71	94	83.8	......
4..	60.39	60.57	60.45	58.94	59.42	60.63	60.07	24	23.7	29.3	29.9	27.4	25.7	26.7	31.8	23.5	96	97	76	74	84	94	86.8	10.6
5..	59.34	59.99	59.69	58.25	58.71	60.55	59.42	23.8	23.3	27.2	30.3	26.9	24.1	25.9	31.5	23.1	96	97	87	66	77	95	86.3	5.6
6..	59.38	59.50	59.32	58.11	59.26	60.43	59.33	23.2	22.8	29.4	29.3	25.5	24.9	25.8	30.4	22.6	95	97	77	72	91	94	87.7	......
7..	60.05	60.47	61.33	59.34	60.28	61.48	60.49	23.9	24	27.9	29.8	28	24.9	26.4	31	23.8	97	97	77	70	81	94	86	......
8..	60.47	60.44	60.99	58.81	59.18	60.74	60.10	23.7	23.5	29.7	30.7	27.7	24.8	26.7	31.4	22.7	96	97	71	72	87	93	86	8.9
9..	59.58	59.70	59.72	57.75	58.28	59.73	59.13	23.6	23.6	30	30	25.9	24.9	26.3	31.7	21.7	96	97	74	73	93	93	87.7	4.3
10..	58.82	59.09	59.15	57.35	58	59.92	58.72	23.7	23.4	30	30.9	25.7	24.6	26.4	31.4	22.9	96	97	69	65	88	94	84.8	.3
11..	58.90	59.07	59.25	57.60	58.78	60.57	59.03	23.4	23.5	29.9	30.8	26.9	24.	26.6	31.3	22.8	97	97	77	64	81	93	84.8	1
12..	59.68	60.02	60.15	58.30	58.34	60.19	59.45	23.6	23.5	30	30	28.9	25.9	27	32	22.8	96	96	68	66	79	93	83	4.6
13..	59.10	58.89	59.59	58.44	58.78	59.63	59.07	24.4	24.4	30.6	28.9	27	24.7	26.7	32.6	23.7	95	96	70	76	88	94	86.5	.8
14..	58.90	59.13	59.20	58.34	57.88	59.87	58.89	23.7	23.6	30	28	26.8	24.9	26.2	32	23.1	96	96	75	72	90	93	87	1.8
15..	58.78	58.78	58.14	56.75	57.08	58.78	58.05	23.7	23.9	29.6	30.9	27.4	24.8	26.7	31.9	22.7	97	96	72	67	84	93	84.8	......
16..	58.40	58.32	58.22	56.73	57.57	58.76	58	23.8	23.3	30.1	29.9	27	24.3	26.4	31	22.9	96	97	74	71	81	94	85.5	17.3
17..	58.25	58.42	58.89	57.64	58.06	59.39	58.44	23.3	23.3	29.1	30.2	28.8	24.8	26.6	31.3	22.8	96	97	74	74	76	93	85	......
18..	58.35	58.17	58.39	56.89	57.11	58.26	57.86	23.4	23.2	28.8	29.6	26.8	24.7	26.1	30.1	22.8	96	97	76	75	87	93	87.3	1.8
19..	57.37	57.16	57.79	56.23	55.77	57.55	56.98	24	23.4	24.1	27.1	27	24.6	25	29	23.3	96	97	95	83	83	94	91.3	3.3
20..	55.87	56.25	56.90	55.98	56.66	57.17	56.47	23.7	23	26.1	27.1	25.8	24.6	25	27.3	22.8	96	97	89	87	90	94	92.2	.5
21..	56.09	55.97	56.77	55.51	56.32	58	56.44	23.6	23.5	29.7	28.6	26.2	24.6	26	30.7	22.8	96	97	75	78	90	94	88.3	4.3
22..	56.15	56.34	57.16	55.51	55.86	57.58	56.43	23.8	23.9	28	28.8	26.8	25.7	26.2	29.1	23.4	97	97	86	75	87	93	89.2	18.9
23..	56.69	56.50	57.05	55.33	56.04	57.42	56.50	24.4	24.3	28.6	27.5	27	26.8	26.4	29.2	23.6	95	97	75	81	89	87	87.3	16.8
24..	56.24	56.87	57.13	55.70	56.58	58.21	56.79	25.7	24.6	28.8	30.5	28.4	27.7	27.6	31	24.2	93	96	82	68	76	79	82.3	......
25..	56.69	57.40	57.61	56.20	56.15	57.75	56.97	25.2	24.2	29	29.9	28.4	25.8	27.1	30.3	24	93	97	78	71	77	93	84.8	......
26..	56.38	56.31	55.72	54.11	53.93	56.29	55.46	24.6	25.4	27.7	28	27.1	26	26.5	28.5	24.3	95	94	83	83	88	90	88.8	5.9
27..	54.13	53.84	54.03	53.76	53.68	54.94	54.06	27.3	27.5	28.1	28.1	27.8	26.8	27.6	28.5	24.1	81	79	83	80	76	86	80.8	8.1
28..	54.68	54.69	55.46	55.28	54.77	55.62	55.08	26	27.3	28	28	27.4	27	27.3	28.2	24.5	90	82	81	81	83	85	83.7	1
29..	54.48	54.44	54.42	53.59	53.90	55.02	54.31	27.6	27.2	28.6	28.3	28.2	27.9	28	29.5	27	81	83	80	84	86	79	82.2	.8
30..	53.97	53.88	54.17	53.34	53.15	54.83	53.89	28.1	27.9	28.3	30	28.5	28.1	28.5	30.5	27.2	79	84	85	79	85	84	82.7	......
31..	54.42	54.88	55.08	54.03	54.57	56.26	54.87	27.9	27.6	29.6	30.1	29.1	28.7	28.8	30.3	27.4	78	84	72	71	78	74	76.2	......
Mean	57.43	57.58	57.88	56.57	56.95	58.45	57.48	24.6	24.5	28.7	29.1	27.3	25.7	26.7	30.4	23.7	93	93.6	77.9	75.3	83.8	90.4	85.7	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	127.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	N	W	W	WSW	WSW	WSW	21.7	70.6	127.9	193.3	413.5	10	Ci.-S.	N. W	10	Ci.-S.	S.-Cu. W
2..	SW	SSW	SSW	SSW	SSW	SSW	240.9	238.3	204.2	144.3	827.7	10	Ci.-S.	S.-Cu. SSW	10	Ci.-S.	N. SSW
3..	S	S	S	S	S	N	30.6	57.1	62.2	[a]19	168.9	7	A.-Cu. SE	S.-Cu. SSE	7	Ci.-S.	Cu.
4..	Calm	Calm	SSE	W	N	Calm	.....	[b]27.1	54.9	20.1	[c]102.1	9	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N. NNE
5..	N	NNE	N	NNE	N	N	16.3	31.4	53.1	20.6	121.4	10	Ci.-S.	Fr.-N. NNE	9	Ci.-S.	N. NNE
6..	N	Calm	S	SSW	N	N	25.2	35.9	42.1	22.2	125.4	6	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.-N.
7..	N	N	SSW	SSW	Calm	Calm	28.4	37.6	51.5	16.4	133.9	7	A.-Cu. SE	S.-Cu.	7	Ci.-S.	Cu.
8..	N	N	SSW	W	N	N	30.1	39.2	51	30.1	150.4	2	Ci.	Cu.	5	Ci.	Cu. NNE
9..	N	N	S	SW	N	N	29	37.2	55.7	32.8	154.7	2	Ci.	Cu.	6	Ci.-S.	Cu.-N.
10..	N	N	S	SSW	N	N	24.7	29.8	51.7	28.2	134.4	0	....	Cu.	5	Ci.-S.	Cu.-N.
11..	N	N	S	SSW	NNE	Calm	34.9	37.8	53.4	20.7	146.8	2	Ci.	Cu.	6	Ci.-S. SE	Cu.
12..	N	N	S	SSW	N	Calm	32.7	44.5	40.7	23.3	141.2	2	Ci.	Cu.	7	Ci.-S. SE	Cu.-N.
13..	N	N	NE	W	Calm	Calm	35.4	36.8	41.6	16.1	129.9	3	Ci.	Cu.	8	Ci.-S.	Cu.-N.
14..	N	N	S	N	Calm	N	33.3	38.6	43.5	24.6	140	2	Ci.	Cu.	9	Ci.-S.	N. NNE
15..	N	N	S	WSW	NNE	N	32.4	39.6	52.9	27.6	152.5	3	Ci.	Cu.	6	Ci.-S.	Cu.
16..	N	N	S	W	ENE	N	32	34.1	55.5	35.2	156.8	2	Ci.	Cu.	5	Ci.	Cu. W
17..	N	N	W	W	NW	N	34.6	55	80.3	24.6	194.5	6	Ci.-S.	S.-Cu. WbyN	7	Ci.	Cu. WbyN
18..	N	N	SSW	SSW	NW	N	31.1	36.4	39.9	22.3	129.7	5	Ci.	Cu.	7	Ci.-S.	S.-Cu. NNE
19..	N	N	N	NNE	NE	NE	25.5	48.9	60.7	16.4	151.5	10	Ci.-S.	Cu.-N.	10	Ci.-S.	S.-Cu. NNE
20..	NE	NNE	N	N	N	N	27.9	36.5	51.5	30.4	146.3	7	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	S.-Cu. NNE
21..	N	N	S	NW	Calm	NNE	31.4	48.3	43.8	22.2	145.7	5	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. NWbyN
22..	N	NNE	SW	W	Calm	SW	27.1	66.6	50.9	89.9	234.5	9	Ci.-S.	S.-Cu. W	9	Ci.-S.	S.-Cu. W
23..	W	Calm	WSW	WSW	W	SW	48.6	58.7	65.8	60.2	233.3	10	Ci.-S.	S.-Cu. W	9	Ci.-S.	S.-Cu. WbyS
24..	W	NNE	SSE	S	WSW	NNE	45.6	35.9	71.3	35.2	188	8	A.-Cu.	S.-Cu. WSW	5	Ci.	Cu. SW
25..	Calm	NNE	SW	WSW	W	Calm	23.1	38	76.1	30.4	167.6	7	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. WSW
26..	NNW	N	W	WSW	SW	SW	31.7	89.1	172.2	150.2	443.2	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	S.-Cu. WbyS
27..	SW	SW	WSW	SW	SW	SW	171.7	193.6	189.4	150	704.7	10	Ci.-S.	S.-Cu. WSW	10	Ci.-S.	S.-Cu. SW
28..	SW	SW	SW	SW	SW	SW	155.9	212.7	205	154.3	727.9	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. SW
29..	SW	SW	SW	SW	SW	SW	182.6	179.6	180.2	175.9	718.3	10	Ci.-S.	S.-Cu. SW	10	A.-Cu.	S.-Cu. SW
30..	SW	SW	SW	WSW	SW	SW	187.3	177.8	136.8	175.1	677	10	Ci.-S.	S.-Cu. WSW	10	Ci.-S.	Cu.
31..	SW	SW	SW	SW	SW	SW	148.7	151.8	136.6	159.3	596.4	9	Ci.-S.	S.-Cu. WSW	2	Ci.	Cu.
Mean	.....	.....	.....	.....	.....	.....	60.7	73	83.9	63.6	279.3	6.5	.....	.....	7.9	.....	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[d]8,658.2	.....	.....	.....	.....	.....	.....

[a] 2 hours missing. [b] 1 hour missing. [c] 7 hours missing. [d] 9 hours missing.

CALBAYOG

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 4.7 meters; gravity correction not applied, —1.80 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	55.46	55.69	56.08	54.58	55.17	56.80	55.63	28.2	28.5	31	30.5	29.4	28.9	29.4	31.8	28	77	74	71	75	79	78	75.7	....
2..	56.11	56.31	57.36	55.72	55.91	57.07	56.41	28.5	28.1	28	28.5	28.5	27	28.1	30.1	26.6	78	81	80	77	79	92	81.2	29.7
3..	56.24	56.91	56.68	54.99	55.64	56.69	56.19	27.1	24.9	27.9	26.9	27.9	27.9	27.1	28.2	24.5	87	96	85	84	82	79	85.5	14.3
4..	55.34	56.04	56.54	54.86	55.73	57.53	56.01	27.5	26.5	27.4	28.3	27.3	25.4	27.1	28.5	24.1	84	84	85	80	85	97	85.8	17
5..	56.01	56.04	58.09	55.91	56.11	56.97	56.52	25.9	26.7	24.4	28.3	28.3	28.1	27	28.9	23.2	93	90	90	86	82	88	88.2	14
6..	55.77	56.26	57.31	55.27	55.65	56.18	56.07	28	28	29.5	29.9	28.2	28.5	28.7	30.4	27	82	79	75	75	82	71	77.3	....
7..	54.54	54.43	54.48	53.04	54.03	55.67	54.36	27.6	28	29.6	29.6	29.1	28.1	28.7	30.6	27.5	80	78	74	77	74	78	76.8	....
8..	53.67	53.61	54.67	53.49	53.56	55.67	54.11	28.2	28	27.9	29.1	26.9	28.5	28.1	29.5	26.8	79	81	82	81	93	81	82.8	2.8
9..	53.83	53.89	55.08	53.75	54.60	55.82	54.50	28	28	28.6	29.6	28.5	27.9	28.4	30	27.3	85	81	81	78	79	82	81	....
10..	54.12	54.58	55.33	54.16	54.27	55.56	54.67	27.7	28	28.6	29	28.3	28.1	28.3	29.4	27.5	83	82	80	78	79	80	80.3	....
11..	54.28	54.53	55.10	53.86	53.86	55.53	54.53	27.8	28	28.7	29	28.4	28.6	28.4	29.5	27.6	82	82	76	78	78	77	78.8	....
12..	54.28	54.38	55.46	54.34	54.83	56.26	54.92	27.6	28	29.6	29.2	28.7	29	28.7	30.2	27.4	84	77	70	77	80	71	76.5	....
13..	55.52	55.72	56.87	55.60	56.50	58.30	56.42	28.1	28	30	29.6	28.1	28	28.6	30.8	27.5	80	81	71	77	79	79	77.8	.8
14..	57.90	57.85	58.32	56.34	57.60	58.81	57.80	26.5	26.9	30.1	30.1	28.1	27.5	28.2	30.7	26.5	85	81	75	65	77	84	77.8	....
15..	57.51	58.23	58.41	57.38	57.83	59.38	58.12	27.5	27.4	29.5	30.6	28	28	28.5	31.2	25.8	84	82	80	71	81	85	80.5	.3
16..	58.12	58.82	59.42	58.05	58.84	59.56	58.80	25.4	27.4	29.6	29.7	29	26.5	27.9	30.4	24.8	96	81	74	70	78	91	81.7	....
17..	58.46	58.48	59.10	57.62	57.89	59.01	58.43	25	26.4	29.6	33	30	27	28.5	33.4	25	96	93	78	59	68	88	80.3	....
18..	57.98	57.79	57.82	55.81	56.27	57.77	57.24	27.1	26.9	30.4	31.1	29	27.7	28.7	32.5	26.3	87	88	70	65	69	79	76.3	8.7
19..	56.74	55.34	56.58	54.52	54.80	55.12	55.52	26.4	26.8	27.4	27.6	26.6	26.8	26.9	28.5	25.8	89	90	85	84	90	89	87.8	17.1
20..	54.10	54.68	56.32	55.34	56.73	59.31	56.08	26.7	26.9	27.8	27.1	27.7	27.4	27.3	28.5	26.4	90	85	83	84	82	82	84.3	6.9
21..	58.71	58.53	59.10	57.90	57.86	59.62	58.62	26.2	27.5	29.6	31.5	28.8	25	28.1	31.8	23.9	89	81	76	66	73	95	80	....
22..	58.36	58.85	59.14	57.32	57.42	59.03	58.35	23	23.3	29.5	30.9	28.3	25.1	26.7	31.5	23	99	97	79	73	82	99	88.2	....
23..	57.34	57.34	57.87	56.08	56.17	57.76	57.09	24	25	29.9	30.4	28.6	27.9	27.6	31.6	23.8	99	90	73	70	77	78	81.2	....
24..	56.53	56.08	57.12	55.64	56.17	57.46	56.50	27.1	27.1	28.4	29.8	28.9	27.9	28.2	30.4	27	92	87	82	79	77	89	84.3	....
25..	56.31	56.63	57.15	55.77	56.60	58.52	56.83	27.8	27.4	29.9	30	28.9	28.5	28.8	31	27.3	81	81	72	72	78	85	78.2	....
26..	57.83	57.51	58.92	57.18	58.31	60.04	58.30	27.9	26.9	31.5	30.9	28.9	24.9	28.5	32.1	24	82	82	63	60	73	93	75.5	2.3
27..	59.17	59.34	59.01	57.79	58.21	59.36	58.81	23.9	23.4	29.4	30.1	28.4	25	26.7	31	23.3	92	97	76	75	75	95	85	....
28..	57.72	57.28	57.57	56.14	56.40	57.09	57.03	23.4	22.6	30.3	31	27.9	25.8	26.8	32.5	22.4	90	95	66	62	79	81	78.8	.5
29..	55.39	55.18	55.91	55.24	55.36	56.69	55.63	25.8	25.4	25.3	24.5	26	25.4	25.4	26.6	24.3	89	96	94	97	94	89	93.2	17.7
30..	55.48	55.80	56.87	56.55	56.50	57.35	56.43	26	26.1	27.4	23.9	25.9	26.1	25.9	28.5	23.1	88	87	82	97	88	87	88.2	17.5
31..	56.15	57.39	57.75	55.85	56.53	57.77	56.91	26.1	23.8	27.9	28.9	28.1	26.9	27	30.5	22.5	86	94	79	67	77	87	81.7	6.1
Mean	56.29	56.44	57.14	55.68	56.17	57.54	56.54	26.6	26.6	28.9	29.3	28.2	27.2	27.8	30.3	25.5	86.7	85.6	77.6	75.5	79.6	84.8	81.6	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	155.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SW	SSW	SW	SW	SW	SW	194.4	190.2	181.8	174.9	741.3	9	A.-Cu. SE	S.-Cu.	6	Ci.-S.	Cu.
2..	SW	SW	SW	SW	SW	SW	115.7	126.9	139.7	107.6	489.9	10	Ci.-S.	S.-Cu. wsw	10	A.-Cu.	S.-Cu. wsw
3..	W	W	WSW	SW	WSW	WSW	124.5	93.5	90.6	181.6	490.2	10	Ci.-S.	N. WSW	10	Ci.-S.	N. WSW
4..	WSW	W	WSW	WSW	SW	SW	133.3	119.1	155.6	133.9	541.9	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	S.-Cu. wsw
5..	WSW	SW	WSW	SW	SW	SW	135.5	123.6	133	106.8	498.9	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. wsw
6..	SW	SSW	SW	SW	WSW	SW	183.7	171.6	198.4	252.9	806.6	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. SW
7..	SW	SW	SSW	SW	WSW	SSW	246.4	229	232.7	230.1	938.2	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. SW
8..	SSW	SW	SW	SW	SW	SW	214.2	234.9	244	220.9	914	8	Ci.-S.	S.-Cu. SW	10	A.-Cu.	S.-Cu. SW
9..	SW	SW	SW	SW	SW	SW	244.4	209	244.3	266.5	964.2	10	A.-Cu.	S.-Cu. SW	8	Ci.-S.	S.-Cu. SW
10..	SW	SW	SW	SW	WSW	SW	252.4	241.6	228.2	268.5	990.7	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu.
11..	SW	SW	SW	WSW	WSW	SW	228.5	252.9	254.2	266.3	1,001.9	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. wsw
12..	SW	SW	SW	SSW	SW	SW	233.5	259.7	204.2	193.3	890.7	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. SW
13..	SSW	SW	SSW	SW	WSW	WSW	201.1	225.5	188.3	148.9	763.8	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. SW
14..	SW	WSW	SW	W	SW	WSW	143.4	158.2	154.2	162.2	618	10	A.-Cu.	S.-Cu. SW	10	Ci.-S.	S.-Cu. wsw
15..	SW	SW	SW	SW	SW	SW	129.3	120.7	125.3?	102.2	477.5	6	Ci.	S.-Cu.	4	Ci.	Cu. SW
16..	SW	SW	WSW	SW	SW	N	68.1	117.7	102	46.9	334.7	10	A.-Cu.	S.-Cu. W	10	A.-Cu.	S.-Cu.
17..	Calm	W	WSW	W	W	W	28.2	101.4	91.7	25.1	246.4	9	Ci.-S.	S.-Cu. W	7	A.-Cu.	Cu. W
18..	W	W	W	WNW	NW	WNW	27.2	82.6	96	45.7	251.5	10	Ci.-S.	s.-cu. WNW	9	Ci.-S.	s.-cu. WNW
19..	WNW	WNW	WNW	W	W	WSW	73.7	105.4	140.2	223.5	542.8	10	Ci.-S.	N. WNW	10	Ci.-S.	N. W
20..	SW	SW	SW	SSW	SSW	SSW	294.3	265.8	240.4	180.5	981	10	Ci.-S.	S.-Cu. wsw	10	Ci.-S.	S.-Cu. SW
21..	SSW	S	SSE	S	W	NE	55.7	53.7	63.9	30.8	204.1	8	Ci.-S.	S.-Cu. ssw	7	Ci.-S.	S.-Cu.
22..	NE	NE	WSW	SW	SW	N	32	43.7	68.9	26.4	171	5	Ci.	S.-Cu. W	4	Ci.	Cu. SW
23..	NE	NW	W	WSW	W	W	25.2	81.8	93.8	70.2	271	10	Ci.-S.	s.-cu. WNW	9	Ci.-S.	S.-Cu. W
24..	W	WSW	SW	SW	SW	SW	96.3	148.6	129.2	147.1	521.2	10	Ci.-S.	S.-Cu. W	10	A.-Cu.	S.-Cu. SW
25..	SW	SW	SW	SW	W	SW	145.1	180.8	108.3	56.1	490.3	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
26..	SSW	E	SSE	SW	Calm	N	118.1	42.1	42	27.6	229.8	10	Ci.	S.-Cu.	10	Ci.	S.-Cu.
27..	N	N	WSW	WSW	Calm	Calm	25.5	45.6	61.4	18.2	150.7	10	Ci.-S.	S.-Cu. NW	10	Ci.-S.	S.-Cu. W
28..	NNE	NNE	W	W	W	W	30.1	68.7	72.9	52.9	224.6	7	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu. W
29..	W	W	W	W	WSW	W	82.4	87.4	105.7	131.8	407.3	10	Ci.-S.	S.-Cu. W	10	....	N. W
30..	SW	SW	SW	SW	SW	SW	216.1	219.6	185.8	189.1	810.6	10	Ci.-S.	S.-Cu. SW	10	....	N. SW
31..	SW	SW	SW	SW	SW	SW	211.6	178.6	125.5	102.7	618.4	10	Ci.-S.	N. SW	10	Ci.-S.	S.-Cu.
Mean	.....	.....	.....	.....	.....	.....	139	147.7	145.2	135.2	567.2	9.4	....	....	9.2	....	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17,583.2	.....	....	....	.....	....	....

CALBAYOG

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 4.7 meters; gravity correction not applied, —1.80 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	56.77	56.74	57.24	56.23	56.62	58.61	57.04	26.9	27.8	29.8	30.1	28.4	27.1	28.4	31.5	26.8	88	72	76	71	82	87	79.3	0.5
2..	58.03	58.29	59.54	57.99	58.55	60.44	58.81	26.9	26.9	29.8	30.4	28.9	24.8	28	31.2	23.7	90	89	73	69	76	94	81.8	......
3..	59.32	59.60	60.31	58.20	59.15	60.74	59.55	23.1	22.9	29.3	31.5	26.9	24.9	26.4	32	22.8	98	98	76	67	86	96	86.8	......
4..	59.69	59.57	59.89	58.05	58.67	60.27	59.36	24.8	23.4	29.6	30.4	27.4	25.2	26.8	32.5	23.3	98	97	74	74	78	94	85.8	......
5..	58.82	58.94	58.76	56.76	57.51	59.24	58.34	23.1	23.1	29.7	31.4	27.4	24.9	26.6	32.4	23	99	99	71	66	81	96	85.3	......
6..	57.88	57.71	58.77	57.31	56.81	57.89	57.73	24	23.8	25.6	24.9	25	23.9	24.5	30	23.2	97	97	93	98	98	97	96.7	9.9
7..	56.47	57.11	58.44	56.02	56.70	57.95	57.12	22.9	22.9	24.3	26.4	25.4	24.6	24.4	27	22.8	98	97	97	90	93	98	95.5	5.4
8..	56.42	56.93	58.01	56.56	57.04	58.31	57.21	23	22.4	26.9	25.9	24.5	23.8	24.4	27.6	22.3	98	98	89	89	98	98	95	13.4
9..	57.52	58.31	59.02	56.67	57.24	58.59	57.89	23.4	23.3	26.4	26.2	26	26.2	25.2	27.5	23.2	97	96	85	82	86	90	89.3	......
10..	57.11	57.02	58.34	56.30	56.40	57.17	57.06	23.3	22 9	24.4	25.3	23.4	23.4	23.8	26.9	22.8	98	98	98	93	97	98	97	36.6
11..	55.42	55.92	56.09	54.86	54.21	55.20	55.28	22.9	22.9	25.9	25	24.4	23.4	24.1	27	22.8	97	96	90	90	88	98	93.2	4.4
12..	54.42	53.89	54.51	53.52	54.38	54.99	54.28	23	24.9	25.9	23.8	24.9	25.7	24.7	26.6	22.9	96	96	92	88	93	86	91.8	8.2
13..	54.38	55.14	55.66	54.62	56.09	57.29	55.53	25.7	25.6	26.9	27.8	24.9	24.8	26	28.5	24	91	90	89	82	96	94	90.3	34.3
14..	56.86	57.26	57.61	56.16	56.52	57.98	57.06	25.8	25.7	27	28.9	27.2	26.7	26.9	29.6	24	90	89	88	76	87	87	86.2	5.1
15..	57.09	57.81	58.02	56.65	57.25	58.73	57.59	25.9	24.9	28.7	28.8	27.5	24.9	26.8	29.5	24.1	95	92	75	82	84	97	87.5	4.3
16..	57.79	58.40	58.75	57.20	58.50	59.86	58.42	24.1	23.9	28.8	28.4	26.9	23.9	26	30	23.2	98	97	79	75	93	98	90	24.9
17..	58.83	59.83	60.89	58.46	59.48	60.53	59.67	23	23.1	24.8	25.3	25.1	23.9	24.2	26.5	22.9	98	98	98	93	95	97	96.5	24.8
18..	60.37	60.75	60.47	58.56	59.72	60.97	60.14	21.9	20.9	27.5	28.4	25.9	23.9	24.8	30.5	20.5	93	96	83	74	93	96	89.2	7.9
19..	59.80	60.12	60.26	58.41	59.20	60.27	59.68	22.9	22.8	28.9	27.9	24.4	24	25.2	30.2	22	97	97	74	82	97	96	90.5	2.8
20..	59.04	59.46	59.71	57.36	58.37	60.34	59.05	22.9	22.6	28.7	29.9	25 9	24.8	25.8	31	22.1	96	97	76	75	98	97	89.8	.3
21..	59.47	59.63	60.27	57.70	58.40	60.23	59.28	23.9	23.9	29	28.3	27.1	25	26.2	30.9	23.1	97	97	78	82	83	96	88.8	1.3
22..	59.46	59.93	60.35	57.99	58.61	60.12	59 41	24.6	24.2	29.9	29.9	26.3	24	26.5	32.1	23	97	95	69	80	90	96	87.8	......
23..	59.30	59.46	59.97	57.90	58.61	60.38	59.27	22.4	22.7	29.5	31.7	26.1	23.7	26	32.4	21.8	96	95	64	62	80	94	81.8	......
24..	59.05	59.06	59.60	58.25	58.79	59.86	59.10	21.9	22.4	30	26.8	25	24.8	25.2	31.1	21.7	97	96	68	90	97	98	91	5.1
25..	58.63	59.22	59.61	58	58.70	60.29	59.08	23.4	23.8	29.9	28.4	27	25.2	26.3	31	23.2	98	97	75	83	84	95	88.7	1.1
26..	59.32	59.93	60.22	57.89	58.40	60.23	59.33	23.9	23.9	30	30 8	26.6	24.4	26.6	33	22.6	96	96	69	78	86	97	87	.5
27..	58.75	59.15	59.52	58.48	58.62	60	59.09	23.3	22.7	30.4	25.1	24.8	23.1	24.9	31.5	22.4	98	98	66	97	97	97	92.2	22.6
28..	58.94	59.11	59.51	57.73	58.68	59.88	58.98	22.4	22.7	29.7	28.4	24.9	23.6	25.3	31	21.7	96	98	67	78	94	99	88.7	13
29..	59.10	59.38	59.42	57.72	58.64	59.78	59.01	22.8	22.9	29.9	23.8	24.5	23	24.5	31.1	22.2	99	99	71	96	98	99	93.7	42.5
30..	58.75	59.56	59.55	56.80	57.88	59.05	58.60	22.1	21.9	29.4	30.8	26.4	23.8	25.7	31.9	21.7	99	99	68	70	82	96	85.7	......
Mean	58.09	58.44	58.94	57.14	57.79	59.17	58.27	23.7	23.6	28.2	28	26	24.5	25.7	30.1	22.9	96.2	95.3	79	81.1	89.7	95.4	89.4	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	268.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SW	SSE	SW	SW	SW	SE	162.2	100.9	125	72.9	461	10	Ci.-S.	S.-Cu.	7	Ci.-S.	S.-Cu. SW
2..	SW	SW	S	SSW	Calm	N	72.6	50.4	42.8	27.1	192.9	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
3..	NNE	NE	S	SSW	N	Calm	34.4	34.1	55.8	27.7	152	7	Ci.	S.-Cu.	9	Ci.-S.	S.-Cu.
4..	Calm	NE	S	W	NE	Calm	9.7	42.4	74.8	18.2	145.1	2	Ci.	S.-Cu.	9	Ci.-S.	S.-Cu. N
5..	Calm	Calm	NW	N	N	Calm	9.9	66.2	85.5	23.8	185.4	10	Ci.-S.	S.-Cu. N	7	Ci.-S.	Cu. N
6..	Calm	Calm	N	N	Calm	Calm	16.6	40.8	14.5	12.3	84.2	9	Ci.-S.	S.-Cu. N	10	Ci.-S.	N. N
7..	NE	Calm	S	WSW	Calm	Calm	22.3	29.2	35.7	15.1	102.3	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu. W
8..	NE	NE	Calm	W	Calm	Calm	31.1	33.3	38.3	19.3	122	10	Ci.-S.	S.-Cu.	10	....	N. W
9..	Calm	W	WSW	W	W	W	44.8	68.6	40.4	57.1	210.9	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	S.-Cu.
10..	NE	Calm	Calm	WSW	W	Calm	21.9	25.4	28.8	20.4	96.5	10	Ci.-S.	S.-Cu. W	10	....	N. W
11..	Calm	Calm	W	W	W	Calm	17.5	29	49.1	16.3	111.9	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	N. W
12..	Calm	W	W	NE	W	WSW	38.4	115.9	73.5	172.7	400.5	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	S.-Cu. W
13..	SW	SW	SW	SW	W	N	202.9	160.9	164.7	68.4	596.9	10	Ci.-S.	S.-Cu. SW	10	A.-Cu.	S.-Cu. SW
14..	SW	SW	SW	SW	SW	SW	117.5	94.3	112.7	56.9	381.4	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu.
15..	NW	Calm	S	SW	SW	Calm	77.5	31.4	82.9	31.7	223.5	10	Ci.-S.	S.-Cu. SW	9	Ci.-S.	S.-Cu. SW
16..	N	SW	SW	SW	Calm	NE	24.6	39.2	42.1	37.5	143.4	10	Ci.-S.	N. SW	10	Ci.-S.	S.-Cu.
17..	N	Calm	W	Calm	Calm	E	20.1	36	15.1	17.9	89.1	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	N. W
18..	NE	NE	SW	SW	Calm	Calm	31.1	38.3	65.5	23	157.9	10	Ci.-S.	S.-Cu.	8	Ci.	Cu. NE
19..	NE	Calm	SW	W	E	NE	11.8	39.1	55.3	14.2	120.4	1	....	Cu.	10	A.-Cu.	S.-Cu.
20..	Calm	Calm	S	SW	NE	Calm	14.2	42.4	66	31.6	154.2	2	....	S.-Cu.	4	Ci.	Cu.
21..	Calm	NE	S	N	Calm	Calm	12.7	38.9	42.9	28.7	123.2	8	Ci.-S.	S.-Cu. NE	9	Ci.-S.	Cu.
22..	Calm	Calm	E	NW	NE	NE	19	58.1	49.7	44.3	171.1	7	Ci.-S.	S.-Cu. NE	9	Ci.-S.	S.-Cu. E
23..	NE	Calm	NE	NNW	NNE	Calm	21.1	47	67.6	27.9	163.6	3	Ci.	Cu.	5	Ci.	Cu. NE
24..	NE	NE	NE	N	NE	NE	17.9	51.5	73.8	35.4	178.6	1	....	Cu.	10	A.-Cu.	Cu. NE
25..	Calm	NE	E	E	NE	NE	27.1	50.4	46.1	32.2	155.8	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. E
26..	NNE	NE	NE	W	NE	Calm	29.5	63.1	67	16.7	176.3	7	Ci.	S.-Cu.	8	Ci.-S.	S.-Cu. E
27..	NE	Calm	NE	S	NNE	NE	22	45.1	47.7	26.2	141	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	N. E
28..	N	NE	E	E	N	Calm	31.9	45.6	46.1	21.7	145.3	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu. E
29..	NNE	NE	NE	E	N	N	28.5	42.4	49.6	20.6	141.1	5	Ci.	S.-Cu.	10	Ci.-S.	N. E
30..	NE	NE	Calm	ENE	NE	Calm	24.7	27.2	76.7	17.4	146	2	Ci.	S.-Cu.	7	Ci.-S.	S.-Cu. E
Mean	......	......	......	......	......	......	40.5	52.9	61.2	34.5	189.1	7.8	....	....	9	....	....
Total	......	......	......	......	......	......	......	......	......	......	5,673.5	....	....	....	....	....	....

CALBAYOG

[$\phi = 12°$ 04′ N; $\lambda = 124°$ 36′ E; barometer above sea, 4.7 meters; gravity correction not applied, —1.80 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.81	58.25	58.65	56.87	57.62	58.88	58.01	21.9	21.7	28.9	29.9	26.3	24.9	25.6	31.1	21.6	96	99	81	75	90	97	89.7	0.3
2..	57.44	57.56	58.04	55.68	56.46	57.99	57.20	23.9	23	28.9	30.9	27.1	24	26.3	31.4	22.9	98	99	79	67	83	97	87.2	......
3..	57.02	57.78	57.88	55.93	56.80	58.13	57.26	22.8	22.8	29.1	31.5	27.8	24.8	26.5	32	22.7	97	96	78	56	82	93	83.7	.8
4..	57.38	58.24	58.59	56.73	57.55	58.91	57.90	24.2	25	29.3	28.8	27	24.5	26.5	30.9	24	99	96	80	76	88	97	89.3	......
5..	57.60	58.10	58.77	56.55	57.64	58.52	57.86	23.8	23.4	29.2	27.9	26	24.5	25.8	30.7	23.3	99	99	80	82	96	97	92.2	......
6..	57.45	58.05	58.70	56.74	57.99	59.02	57.99	23.5	23.9	28.7	25.4	25.5	23.9	25.2	29.9	23	97	98	87	97	97	97	95.5	42 7
7..	57.96	58.71	59.22	57.48	57.94	59.10	58.40	22.9	22.9	25.9	24.4	24.3	22.7	23.8	28	22.3	97	97	97	95	94	99	96.5	18.7
8..	57.78	57.88	58.32	55.89	56.78	58.26	57.48	21.9	22.6	27.6	28	26.7	24.9	25.3	29.7	21.8	98	97	81	82	91	96	90.8	7.8
9..	57.16	57.49	58.26	56.20	57.30	58.59	57.50	25.7	24	28.4	29	24.9	23.8	26	30.5	23.5	9	97	79	78	98	95	89.5	25
10..	57.40	58.16	59.21	57.15	57.85	59.12	58.15	22.9	23	28.8	28.9	27.3	24.8	26	31.5	22.7	97	96	79	71	85	98	87.7	1.1
11..	58.27	59.04	59.90	58.12	59.04	60.32	59.12	23.9	23.4	29	25.9	24.9	23	25	29.9	22.6	96	97	77	92	98	99	93.2	1.4
12..	59.12	60.40	61.12	58.87	58.83	60.56	59.82	22.4	22.8	28.5	30.3	26.6	24.3	25.8	31.5	22	96	96	82	70	83	97	87.3	.3
13..	59.23	59.58	59.42	57.69	58.60	58.63	58.86	23.9	23.9	28.7	26.3	23.1	22.9	24.8	30.3	22.8	96	95	81	94	96	97	93.2	62.5
14..	56.20	55.80	54.69	53.56	55.09	56.88	55.37	23.8	23.9	26.9	27.4	26.1	24.9	25.5	29	23.7	94	91	97	85	87	88	90.3	3.7
15..	55.84	56.75	57.38	55.54	56.51	58.27	56.72	24	23.4	28	29	26.7	25	26	30.1	22.9	91	95	82	74	87	95	87.3	......
16..	57.59	58.30	58.41	56.92	58.01	59.34	58.09	24.1	23.9	29.9	29.9	27.8	24.1	26.6	31	23.2	95	97	74	71	75	92	84	......
17..	57.81	58.69	59.27	57.30	57.93	58.95	58.32	23	23.4	29	30	27.7	23.9	26.2	31	22.8	98	97	78	69	76	97	85.8	2.3
18..	57.79	57.95	58.63	55.32	57.25	58.53	57.58	24.4	23.3	29.2	29.8	27	25	26.4	30.5	23	97	96	80	79	88	96	89.3	......
19..	57 21	57 94	58.50	55.77	56.97	58.48	57.48	24.8	24.1	28.4	29.9	26.8	24.9	26.5	30.9	24	97	96	82	82	94	97	91.3	12.9
20..	57.14	58.06	59.30	57.10	58.61	59.77	58.33	24.4	23.7	25.6	28.4	26.4	24.2	25.4	29.1	23.7	97	98	95	89	90	94	93.8	8.4
21..	58.60	59.41	60.10	58.01	59.11	60.57	59.30	22.9	22	29.9	29.9	26	23.3	25.7	31.1	21.9	97	96	69	65	88	97	85.3	.3
22..	59.31	59.85	59.89	57.92	58.82	60.37	59.36	21.9	21.1	28.9	29.8	26.3	23.4	25.2	30.5	21	96	99	69	77	91	97	88.2	......
23..	58.99	59.53	60.40	58.56	59.26	60.56	59.55	21.9	21.8	27	26.9	26	24.1	24.6	30	21.7	99	96	88	86	94	96	93.2	2.1
24..	58.95	59.42	60.12	58.06	59.08	60.32	59.33	22.9	22.4	29.4	27.9	24.9	23.5	25.2	30.5	22.2	99	98	72	82	97	96	90.7	......
25..	59.04	59.71	60.36	58.36	59.09	60.69	59.54	22.8	22	29.4	26.7	24.4	23.1	24.7	30.9	21.9	96	97	72	83	91	97	89.3	.3
26..	59.60	60.56	60.84	59.16	59.52	59.99	59.95	22.4	21.9	29	23.4	23.8	22.8	23.9	30.6	21.8	96	99	81	97	92	97	93.7	54.9
27..	59.26	60.28	60.96	58.54	59.56	60.93	59.92	21.9	21.9	29.1	28.7	24.8	24.4	25.1	30.5	21.7	96	99	80	83	98	97	92.2	14.5
28..	59.44	59.94	60.29	57.96	58.52	60.16	59.38	23.1	22.8	28	30	26.9	24.4	25.9	31	22.7	99	98	88	78	88	97	91.3	.3
29..	58.90	59.14	59.30	57.18	58.41	59.62	58.76	23.1	22 9	29.4	27.9	24.9	24	25.4	31.6	22.8	98	98	81	96	98	98	94.8	18.3
30..	58.46	58.94	59.47	57.96	58.62	59.59	58.84	22.9	23	30.7	23.8	23.9	23.1	24.6	31.4	22.6	98	97	75	98	98	99	94.2	103.7
31..	58.43	59.35	59.83	57.50	58.83	60.07	59	22.5	22	28	29.4	25	23.9	25.1	30.5	21.9	98	98	85	86	98	98	93.8	2.8
Mean	58.07	58.67	59.16	57.12	58.05	59.33	58.40	23.2	23	28.6	28.3	25.9	24	25.5	30.6	22.6	96.7	97	80.9	81.1	90.7	96.4	90.5	......
Total	.. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	385.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	N	NE	SW	W	N	Calm	18	50.4	57.3	10.2	135.9	7	Ci.-S.	S.-Cu. N	9	Ci.-S.	S.-Cu. NW
2..	Calm	Calm	SW	WNW	Calm	Calm	6.6	45.6	71.9	16.3	140.4	9	Ci.-S.	S.-Cu.	9	Ci.-S.	S.-Cu. NW
3..	NNE	N	WSW	W	W	N	35.7	55.2	91.2	26.6	208.7	10	Ci.-S.	S.-Cu.	6	Ci.	S.-Cu.
4..	NNE	Calm	WSW	SW	Calm	N	31.1	54.4	72.6	20.9	179	10	Ci.-S.	S.-Cu W	10	Ci.-S.	S.-Cu. W
5..	NE	NE	WSW	W	Calm	Calm	25.5	57.1	61.5	19.1	163.2	9	Ci.-S.	S.-Cu. W	10	Ci.-S.	S.-Cu.
6..	N	N	SW	Calm	Calm	Calm	82.7	38.1	.....	.....	....	8	Ci.	S.-Cu.	10	Ci.-S.	S.-Cu.
7..	NE	NNE	W	NE	Calm	NE	.....	.....	21.4	11.6	....	10	Ci.-S.	S.-Cu	10	Ci.-S.	N.
8..	NE	Calm	SW	SW	Calm	Calm	18.5	28	50.2	34.1	130.8	10	Ci.-S.	S.-Cu. S	9	Ci.-S.	S.-Cu. SW
9..	SW	NE	S	S	W	Calm	86.6	63.1	59.3	28.8	237.8	10	Ci.-S.	N. SW	10	A.-Cu.	S.-Cu. S
10..	Calm	Calm	SSW	WSW	SW	N	20.7	55.2	85.6	23.3	184.8	10	Ci.-S.	N. S	10	Ci.-S.	S.-Cu. SW
11..	N	NE	S	NE	NE	N	25.4	48	20.7	27.1	121.2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	N.
12..	NE	Calm	N	N	Calm	Calm	13.4	48.8	50.1	10.2	122.5	7	Ci.	S.-Cu.	9	Ci.	Cu. N
13..	Calm	Calm	N	Calm	NW	Calm	14.8	64.6	42.9	28.2	150.5	10	Ci.-S.	S.-Cu. N	10	....	N. N
14..	NE	NE	NNE	E	E	E	75.4	110.5	64.9	37.6	288.4	10	Ci.-S.	N. ENE	10	Ci.-S.	Cu.-N. E
15..	NE	NE	SE	Calm	Calm	NE	25.5	28.2	33.8	24.3	111.8	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
16..	N	Calm	SW	SW	SW	NE	21.5	26.2	54.4	26.2	128.3	4	Ci.	Cu.	4	Ci.	Cu. W
17..	N	NW	SW	SW	W	N	18.7	35.2	52.8	33	139.7	3	Ci.	Cu.	3	Ci.	Cu. W
18..	E	N	SW	SW	Calm	NNE	30.1	53.7	68.9	15.9	168.6	6	Ci.	Cu.	9	Ci.-S.	S.-Cu. W
19..	NE	Calm	W	W	W	Calm	23	50.9	48.8	17.5	140.2	10	Ci.-S.	S.-Cu.	10	A.-Cu.	S.-Cu
20..	Calm	NE	NW	SW	Calm	Calm	14.7	34	46.5	7.2	102.4	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu. N
21	Calm	NE	ENE	NE	Calm	Calm	13.2	49.7	58.9	11.3	133.1	10	Ci.-S.	S.-Cu. N	10	A.-Cu. ENE	S.-Cu. NNE
22..	Calm	N	NE	SW	N	NE	20.1	45.7	48	30	143.8	2	....	S.-Cu.	6	Ci.	S.-Cu. E
23..	N	Calm	SE	NW	Calm	Calm	19.1	22.2	50.7	6.6	98.6	8	Ci.-S.	S.-Cu.	10	A.-Cu.	S.-Cu. E
24..	NE	N	S	E	N	NE	26	34.8	50.2	31.1	142.1	5	Ci.	S.-Cu.	10	Ci.-S.	S.-Cu. E
25..	NE	N	S	Calm	N	N	31.6	36.8	47	31.1	146.5	4	Ci.	S.-Cu.	10	Ci.-S.	S.-Cu.
26..	N	NE	S	NE	N	Calm	34.9	36.5	42.4	15.8	129.6	7	Ci.-S.	S.-Cu.	10	....	N.
27..	N	NE	S	SW	NE	Calm	28	39.9	54.2	23.8	145.9	9	Ci. E	S.-Cu.	9	Ci.-S. E	Cu.
28..	NNE	Calm	SE	W	Calm	NE	20.1	32.8	35.2	33.6	121.7	8	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu. E
29..	NE	NE	NE	S	NE	NE	23.9	54.2	30.4	27.1	135.6	8	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
30..	Calm	NE	NE	NE	Calm	N	23.1	49.1	26.2	28.4	126.8	6	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu. E
81..	Calm	Calm	SE	S	NE	NE	23.1	36.5	35.9	28	123.5	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
Mean	......	....	....	....	....	....	26.7	46.2	51.1	22.8	148.3	8.1	....	....	9.1	....	....

CALBAYOG

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 4.7 meters; gravity correction not applied, —1.80 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.95	59.70	60.13	58.07	59.26	60.27	59.40	22.9	22.8	27.8	28.8	25.9	24	25.4	30	22.7	98	98	87	90	98	96	94.5	......
2..	59.05	59.90	60.30	57.91	59.63	60.43	59.54	22.9	22.8	29.8	31.4	24.6	23.8	25.9	32.4	22.7	98	98	76	83	98	97	91.7	3.1
3..	59.23	59.54	59.30	57.23	58.46	60.09	58.98	22.8	23.4	29.8	31	26.2	24.9	26.4	32.4	22.7	97	96	72	84	98	98	90.8	10.7
4..	58.82	58.98	59.60	57.39	58.47	59.46	58.79	24	23.8	29.1	29.4	25.4	24.4	26	32	23.7	95	96	81	89	98	98	92.8	3.6
5..	58.06	58.55	59.24	57.32	58	59.02	58.36	23	22.8	29.7	26.4	25.1	23.8	25.1	30.6	22.7	98	98	78	92	94	98	93	5.6
6..	57.76	58.37	58.76	57.09	58.33	59.37	58.28	22.9	22.8	28.8	23.9	24.8	23.9	24.5	30.1	22.7	98	97	79	95	95	94	93	24.7
7..	58.51	59.42	60.16	57.62	58.73	59.87	59.05	22.9	22.5	28.1	29.9	25	23.8	25.4	30.6	22.3	97	97	79	65	92	93	87.2	2.3
8..	58.75	59.02	59.77	57.30	57.85	59.12	58.64	22.9	22.1	28.4	28.9	25.2	23.9	25.2	29.6	22	96	96	78	78	90	96	89	5.6
9..	57.81	58.13	58.78	56.48	57.67	58.31	57.86	22.8	22	27.9	29	26	26.9	25.8	29.9	21.9	94	95	82	76	88	85	86.7	......
10..	56.79	57.53	57.85	56.17	56.53	57.30	57.03	26.4	25.5	26.9	27.2	25.7	24.9	26.1	29.4	24.3	90	92	85	83	94	97	90.2	14.2
11..	56.50	57	57.35	55.31	56.19	57.88	56.70	24.2	24.4	28.4	29	25.6	24.4	26	30	23.6	98	97	81	75	89	97	89.5	3
12..	56.39	57.48	57.78	56.26	57.33	58.35	57.26	22.9	22	28.9	29.4	25.4	23.2	25.3	30.5	21.9	96	96	76	68	92	98	87.7	.5
13..	57.12	57.62	58.32	56.67	57.25	58.06	57.51	22.7	22.6	26.9	26.8	25.4	24.9	24.9	27.9	22.5	96	96	85	86	94	96	92.2	8.9
14..	56.64	57.05	56.98	55.66	56.54	56.86	56.62	24.4	23.9	24.9	24.9	24.3	23.9	24.4	26.2	23.4	97	91	92	92	91	98	93.5	41.4
15..	55.25	54.85	55.60	53.42	54.30	54.71	54.69	23.7	23.9	24	23	23.1	23.8	23.6	25.4	22.9	94	91	91	97	94	90	92.8	62.9
16..	53.94	54.97	54.79	52.83	53.42	52.73	53.78	23	23	23.9	23.8	23.4	23.9	23.5	25	22.9	96	93	97	97	97	96	96	137.8
17..	51.92	52.13	55.07	54.96	57.02	58.36	54.91	23	23.4	22.9	23	24.1	23.9	23.4	25.1	22.8	98	96	97	98	96	92	96.2	144.9
18..	57.01	58.41	58.97	56.85	58.11	59.69	58.17	22.8	22.4	27.9	29.9	26.9	24.9	25.8	30.6	22.3	97	98	88	68	89	97	89.5	......
19..	58.02	58.48	59.76	57.15	58.41	59.99	58.64	22.4	21.9	28	28.9	24.8	23	24.8	29.9	21.8	96	96	83	74	93	94	89.3	......
20..	58.62	59.11	58.87	56.68	57.70	59.39	58.40	22.1	21.8	27	28.9	23.9	24.1	24.6	31.1	21.7	96	97	87	72	94	94	90	6.9
21..	57.81	57.83	58.17	56.04	56.87	58.24	57.49	22.2	21.7	26.8	27.8	25.9	23.5	24.6	30	21.6	96	97	89	83	92	96	92.2	15.7
22..	57.25	57.82	59.42	57.44	57.96	59.23	58.19	23	23.9	24.2	25.5	24	23.4	24	27.5	22.9	97	92	92	88	93	97	93.2	4.4
23..	58.75	59.12	60.60	58.72	59.76	60.82	59.63	22.4	22.2	27.2	27.9	24.1	23	24.5	29.6	22.1	96	95	75	71	91	96	87.3	......
24..	59.30	59.76	60.49	58.72	59.28	60.55	59.68	22.8	21.9	25.4	25.9	23.9	22.2	23.7	28.4	21	97	96	84	77	76	88	86.3	......
25..	59.35	59.89	60.45	58.13	59.09	60.15	59.51	20.1	19.2	27.4	27.9	24.6	23.1	23.7	29.6	19.1	99	98	70	69	87	91	85.7	......
26..	58.94	59.18	59.53	57.80	58.45	58.31	58.70	22.4	21.1	25.9	24.3	22.8	22.4	23.2	27.2	21	96	97	81	97	98	98	94.5	28.7
27..	57.17	57.78	58.59	57.19	57.83	59.53	58.02	22.7	22.8	24.7	26.9	25.9	22.7	24.3	27.8	22.2	97	98	96	86	91	98	94.3	4.3
28..	59.06	59.53	60.13	58.86	60.71	61.18	59.91	21.9	21.8	27.9	27.4	24.7	23.9	24.6	30.5	21.7	97	98	78	81	96	96	91	4.3
29..	59.85	60.20	60.67	58.78	58.69	59.60	59.63	23.1	22.6	26.9	25.4	24.9	24.2	24.5	29.5	22.5	97	98	87	98	96	98	95.7	8.4
30..	58.68	59.09	59.48	57.77	58.83	59.98	58.97	23.9	23.1	28.1	26.4	24.9	23.5	25	29.6	23	96	98	84	95	98	97	94.7	19.8
Mean	57.71	58.21	58.83	56.93	57.89	58.90	58.08	23	22.7	27.1	27.3	24.9	23.9	24.8	29.3	22.4	96.4	96	83.7	83.6	93.1	95.3	91.4	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	561.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	NE	NE	N	NE	NE	16.3	36	51.8	27.7	131.8	10	Ci.-S. E	S.-Cu.	10	Ci.-S.	S.-Cu. E
2..	NE	NE	ENE	NE	NE	N	25.2	50.1	58.7	44.1	178.1	9	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu. E
3..	NE	NE	E	NE	ENE	NE	31.4	72.7	65.5	29.5	199.1	10	Ci. E	S.-Cu.	9	Ci.-S.	S.-Cu. E
4..	Calm	NE	E	E	NE	Calm	37	63.8	47.3	17.4	165.5	10	Ci.-S. W	S.-Cu.	10	Ci.-S.	S.-Cu. E
5..	Calm	Calm	NF	Calm	NE	Calm	14.2	40.4	36.5	13.7	104.8	6	Ci.-S.	S.-Cu.	10	Ci.-S. E	Cu.-N.
6..	Calm	NE	S	NE	NE	Calm	16.3	38.9	50.2	34.1	139.5	7	Ci.-S. E	S.-Cu.	10	Ci.-S.	S.-Cu. E
7..	NE	NE	E	E	NE	Calm	26.6	43.3	67.4	22.3	159.6	9	Ci.-S.	S.-Cu.	9	Ci.-S.	S.-Cu.
8..	NE	Calm	S	N	Calm	N	28.7	29.2	38.3	29.2	125.4	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	S.-Cu. N
9..	Calm	N	S	W	Calm	SW	21.5	38	61.2	81.5	202.2	10	Ci.-S. W	S.-Cu.	10	Ci.-S.	S.-Cu. W
10..	W	W	SW	SW	W	W	82.7	91.4	72.4	24.7	271.2	10	A.-Cu.	S.-Cu. W	10	Ci.-S.	S.-Cu. WSW
11..	Calm	W	W	W	Calm	W	30.1	59.7	44.3	9.7	143.8	10	Ci.-S.	S.-Cu. WNW	10	Ci.-S.	S.-Cu.
12..	Calm	Calm	W	NNE	Calm	N	21.5	38.8	55.7	18.8	134.8	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu. NW
13..	N	Calm	W	W	W	WNW	16.1	29.3	45.6	35.2	126.2	10	Ci.-S.	S.-Cu. NW	10	Ci.-S.	S.-Cu.
14..	W	W	W	W	W	W	63.9	89	92.8	114.5	360.2	10	Ci.-S.	N. W	10	Ci.-S.	Cu.-N. W
15..	WSW	W	W	W	W	W	201.3	142.9	161.7	171.4	677.3	10	Ci.-S.	N. W	10	....	N. WNW
16..	W	W	W	W	W	W	130.7	151.3	139.7	242.8	664.5	10	Ci.-S.	N. WNW	10	....	N. WNW
17..	W	SW	S	S	S	W	396	338.9	214.6	57.4	1,006.9	10	....	N.	10	....	N. S
18..	Calm	Calm	SE	SSW	Calm	Calm	18.8	30	31.6	14.5	94.9	10	A.-Cu.	S.-Cu. S	6	Ci.	Cu.
19..	N	NE	S	SW	N	NE	26.2	30	48.6	32.2	137	5	Ci.	S.-Cu.	10	Ci.-S.	S.-Cu.
20..	Calm	N	S	SW	N	Calm	21.7	43.1	64.2	29.6	158.6	9	Ci.-Cu.	S.-Cu.	8	Ci.	Cu.
21..	Calm	N	S	SW	Calm	N	17.9	35.6	75	19.3	147.8	10	Ci.-S. E	S.-Cu.	10	Ci.-S. E	Cu.
22..	Calm	NW	N	N	Calm	Calm	26.6	58.5	68.7	9.2	163	10	Ci.-S.	N. W	10	Ci.-S.	S.-Cu. N
23..	Calm	Calm	N	NE	N	NE	16.4	75.3	70.5	44.5	206.7	10	Ci.-S. E	S.-Cu.	10	Ci.-S. W	S.-Cu.
24..	N	N	NE	N	N	Calm	38	71.8	97.1	28.7	235.6	9	A.-Cu.	Cu. NNW	7	A.-Cu.	Cu. N
25..	Calm	N	NE	NNE	N	N	16.1	43.7	71.4	18.5	149.7	6	Ci.-S. SE	Cu. N	7	A.-Cu. N	Cu. N
26..	Calm	Calm	NNE	NNE	NW	N	2.7	45.4	42.8	27.4	118.3	7	Ci.-S. NE	S.-Cu. N	10	Ci.-S.	Cu.-N. NE
27..	N	N	N	S	NE	NE	28.4	30.4	23.6	19.3	101.7	10	....	N. N	10	Ci.-S.	Cu.-N. NE
28..	N	N	E	NE	NE	NE	35.1	41.6	46.1	33	155.8	9	Ci.-S.	Cu.-N. NE	8	Ci.-S.	Cu.-N. ENE
29..	N	Calm	NE	Calm	NE	ENE	29.3	52.3	32.8	33.5	147.9	5	Ci.	Cu.-N. NE	10	Ci.-S.	Cu.-N. NNE
30..	NE	NE	NE	SSW	Calm	N	38.8	43.1	40.8	40.7	163.4	9	A.-Cu.	Cu.-N. NE	10	Ci.-S.	Cu.-N. E
Mean	......	......	......	......	......	......	49.2	65.2	67.2	44.1	225.7	9	....	....	9.4	....	....
Total	......	......	......	......	......	......	......	......	......	......	6,771.3	....	....	....	....	....	....

CALBAYOG

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 4.7 meters; gravity correction not applied, —1.80 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.92	59.19	59.88	57.44	58.78	59.63	58.97	23.3	22	26.4	26.2	25.8	23.8	24.6	28.6	21.8	98	99	90	90	97	97	95.2	8.4
2..	58.80	59.28	59.62	58.64	58.85	59.50	59.12	22.8	21.9	27.7	23.1	23.7	22.4	23.6	28.5	21.7	99	98	84	97	97	97	95.3	24.7
3..	58.06	58.11	58.71	56.13	56.65	57.16	57.47	22.3	22.9	26.4	25.9	24.4	23.2	24.2	27.8	22	98	98	83	89	9[illegible]	98	93.2	14.4
4..	55.27	55.85	57.03	55.46	55.54	57.26	56.08	22.5	22.8	27.6	25	24.5	23.5	24.3	28.5	22.2	98	97	80	93	91	96	92.5	7.2
5..	56.20	56.9	5[illegible].14	56.01	57.29	[illegible].03	57.10	23.1	23.1	27.7	28.9	26.4	24.2	25.6	29.7	22.8	97	98	82	78	84	95	89	......
6..	57.57	58.03	58.96	57.19	57.72	59.52	58.16	22.9	22.1	28.3	29.3	26.7	24.2	25.6	29.8	22	97	97	82	74	88	95	88.8	......
7..	58.70	58.93	59.70	57.29	58.18	59.76	58.76	22.9	21.9	27.7	29.7	25.6	24.6	25.4	30.5	21.8	96	9[illegible]	81	72	90	97	88.7	.5
8..	58.83	58.91	59.94	57.90	58	59.53	58.85	22.7	22.1	28.4	[illegible]8	25.9	2[illegible].1	25.2	30.1	22	97	99	80	83	93	96	91.3	7.6
9..	58.48	58.[illegible]6	59.72	58.03	58.73	60.14	58.96	22.8	21.7	27.9	28.7	24.9	23.6	24.9	30.6	21.5	97	96	71	73	84	95	86	.8
10..	58.91	59.98	60.51	58.21	59.08	60.[illegible]9	59.55	21.9	21.2	29.5	29.9	25.9	22.9	25.2	30.5	21.1	96	98	70	62	81	92	83.2	......
11..	[illegible].60	59.91	60.43	58.22	59.28	60.22	59.61	22.5	21.6	28.7	31.3	25.9	23.1	25.5	31.5	21.5	91	96	70	55	78	90	80	......
12..	[illegible]8.71	59.13	59.86	57.98	58.77	[illegible]9.75	5[illegible].03	22.3	21.7	26.7	27.8	22.4	22.1	23.8	28.6	21.5	97	96	82	77	96	97	90.8	16.8
13..	58.73	58.94	59.38	57.02	57.73	58.52	58.39	21.8	21.6	27.9	27.9	24.2	22.4	24.3	30.6	21.5	96	98	78	78	91	96	89.5	11.4
14..	57.41	58.28	58.63	56.50	56.66	58.25	57.62	21.3	20.8	27.7	28.8	26.8	24	24.9	29.6	20.7	95	98	81	74	80	91	86.5	......
15..	57.80	58.52	59.23	57.34	58.43	59.46	58.46	21.9	20.4	27.9	29.1	26.9	24.5	25.1	30	20.3	96	98	77	62	80	91	84	......
16..	58.52	58.96	60.08	58.02	58.97	60.08	59.10	22.9	21.9	28.1	29	25.9	23.4	25.2	30.8	21.8	96	96	72	74	88	95	86.8	......
17..	59.30	59.70	60.73	59	59.61	60.84	59.86	22	22	25.8	27.4	25.3	23.9	24.4	28.3	21.8	96	97	87	84	86	91	90.2	37.9
18..	59.68	60.19	61.03	59.03	59.98	61.18	60.18	23.4	22.1	28.9	26.9	23.9	23	24.7	30.3	22	93	97	74	88	96	96	90.7	30.2
19..	60.04	60.45	61.96	60.76	61.80	62.44	61.24	22.8	22.7	26.7	24.9	23.3	22.9	23.9	28.7	22.6	96	97	85	94	94	97	93.8	42.6
20..	61.48	61.44	62.22	60.41	61.16	62.12	61.47	22	22	24.9	28.7	25.4	23.8	24.5	29	21.9	96	97	87	74	88	93	89.2	......
21..	61.35	61.64	62.65	60.06	60.66	62.39	61.46	22.6	22.9	28.3	29.2	25.6	23.7	25.4	30.2	22.2	95	92	71	66	82	92	83	......
22..	61.20	61.06	62.23	60.[illegible]	61.50	61.83	61.42	22.9	22.6	23.9	24.9	23.8	22.4	23.4	25.5	22.1	92	95	91	91	93	95	92.8	1.8
23..	60.85	60.93	61.91	59.45	60.12	61.48	60.79	21.8	21.9	25.9	29	25.4	23.7	24.6	29.6	21.7	97	96	88	72	89	92	89	.3
24..	60.35	59.74	60.61	58.44	58.76	59.58	59.58	23.2	22.8	27.4	29.3	25.7	24.2	25.4	30	22.7	95	94	77	70	86	92	85.7	1.5
25..	58.[illegible]7	58.90	60.06	58.26	59.24	60.33	59.18	22.4	21.8	28.8	27.4	25.2	23.9	24.9	29.7	21.6	96	98	75	84	92	92	89.5	12.7
26..	59.34	59.79	60.46	59.34	59.15	59.87	59.66	23.4	23.7	26	23.8	23.7	23	23.9	26.4	22.6	97	97	88	98	96	97	95.5	49.8
27..	59.15	59.65	60.33	58.[illegible]4	59.62	60.46	59.64	22.7	22.8	27.7	29.6	27.2	24.8	25.8	30.5	22.6	98	99	84	75	83	92	88.5	......
28..	59.37	59.98	60.41	58.59	59.63	60.[illegible]5	59.76	23.6	22.3	29	28.2	25.7	24.6	25.6	30	2[illegible].2	97	98	75	79	93	93	89.2	20.4
29..	59.42	60.63	61.40	58.99	60.07	60.88	60.23	23.4	24.5	24.9	26	24.2	23.1	24.4	27	22.8	93	96	92	82	90	97	91.7	39.9
30..	59.69	60.55	62.28	60.76	60.98	62.16	61.07	22.9	22.6	22.5	22.4	22.3	22.1	22.5	25	22	96	96	94	95	88	90	93.2	34.8
31..	61	61.56	62.18	60.23	61.22	61.64	61.30	21.9	22	2[illegible].9	26.2	23.2	22.8	23.5	27	21.8	85	86	79	79	90	93	85.3	.3
Mean	59.06	59.48	60.33	58.39	59.10	60.17	59.42	22.6	22.2	27.1	27.5	25	23.5	24.7	29.1	21.9	95.7	96.5	81	79.4	88.9	94.2	89.3	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	364

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	N	Calm	NE	N	NE	N	30.8	39.2	50.7	36.5	157.2	5	Ci.	S.-Cu.	9	Ci.-S.	Cu.-N. NNE
2..	Calm	N	NE	N	N	Calm	24.6	48.8	24.9	19.3	117.6	5	Ci. E	S.-Cu. ENE	10	....	Cu.-N. NE
3..	NNE	N	ENE	NNE	NNE	Calm	22.8	45.6	52.6	29.6	150.6	10	Ci.-S.	Cu.-N. NE	10	Ci.-S.	Cu.-N. NNE
4..	NbyE	NbyE	E	E	NE	N	44	44	35.7	27.4	151.1	10	Ci.-S.	S.-Cu. NNE	10	....	N. E
5..	NW	Calm	S	SE	E	Calm	27.1	27.6	43.7	15	113.4	9	Ci.-S.	S.-Cu. SE	7	Ci.-S. E	Cu. SE
6..	N	NNW	S	SW	N	N	26.9	37.6	32.4	20.1	117	3	Ci.	Cu.	4	Ci.-S.	Cu. SW
7..	N	N	SSW	SW	NE	Calm	25.2	38.1	51.5	14.7	129.5	2	Ci.	Cu.	4	Ci.-S.	Cu.
8..	N	N	S	W	N	Calm	28.8	32.2	39.4	32.5	132.9	4	Ci.-S.	S.-Cu. ENE	5	Ci.	Cu.-N. ENE
9..	N	NNW	NE	NNE	N	Calm	28.8	53.7	59.8	35.7	178	3	Ci.	Cu.-N.	8	Ci.-S.	Cu.-N. NE
10..	N	NE	NE	NE	NE	NE	25.9	65.8	80.8	42.6	215.1	4	Ci.-S. E	Cu. ENE	5	A.-Cu. E	Cu. ENE
11..	NNE	NE	NE	ENE	NNE	N	45.3	44.8	74.3	25.9	190.3	3	Ci.-S.	S.-Cu. NE	4	Ci.	Cu. ENE
12..	Calm	Calm	S	SW	N	N	15	34.4	45.3	38	132.7	5	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.
13..	NNE	N	NE	SW	NNW	Calm	35.4	40.7	54.1	18.2	148.4	4	Ci.	S.-Cu.	6	A.-Cu. E	Cu. ENE
14..	N	Calm	Calm	SSW	Calm	Calm	24.9	36.4	59	25.2	145.5	1	Ci.	Cu.	3	....	Cu.
15..	Calm	N	S	SW	N	Calm	28.2	37.2	64.9	34	164.3	1	Ci.	Fr.-Cu.	2	Ci.	Cu.
16..	Calm	N	NE	WSW	N	ENE	25.4	33.5	48.8	23.6	131.3	2	Ci.-S.	Cu.	7	A.-Cu.	Cu.-N.
17..	N	ENE	SW	S	ENE	N	32.4	35.2	40.2	30.4	138.2	6	A.-Cu.	S.-Cu.	7	Ci.	Cu.-N. ENE
18..	Calm	N	NE	SW	NE	Calm	25.9	30.3	49.3	34.1	139.6	7	Ci.-S.	S.-Cu. ENE	10	....	N. N
19..	N	N	NNE	N	NNE	Calm	20.9	33.6	60.4	15.9	130.8	7	Ci.-S.	Cu.-N. ENE	10	....	N. NE
20..	Calm	NE	NNE	NE	NE	N	24.3	33.8	63.8	37.3	159.2	9	Ci.-S.	S.-Cu.	8	A.-Cu.	Cu.-N. NE
21..	NE	NE	NE	NE	NE	NNE	40.2	55	62	30.1	187.3	7	Ci.-S.	S.-Cu. NE	7	Ci.-S.	Cu. NE
22..	N	Calm	NE	NE	Calm	Calm	15.5	47	23.9	18.5	104.9	7	Ci.-S.	S.-Cu.	10	....	N. NE
23..	Calm	NE	Calm	E	NNE	Calm	26.6	17.9	44	31.1	119.6	7	A.-Cu. E	S.-Cu. ENE	8	A.-Cu.	Cu. E
24..	N	NE	NE	NE	N	Calm	30	38.3	47.5	18.5	134.3	9	A.-Cu.	S.-Cu.	8	A.-Cu.	Cu.-N. NE
25..	N	NE	ENE	NE	N	N	18.3	30	57.9	32.2	138.4	1	Ci.	Cu.	7	A.-Cu.	N. NE
26..	Calm	Calm	Calm	Calm	NE	Calm	6.2	12.4	21.4	24.4	64.4	7	Ci.-S.	Cu.-N.	10	....	N.
27..	Calm	NE	S	W	NE	N	16.1	32	44.3	35.9	128.3	7	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.
28..	Calm	N	S	NE	ENE	N	25.7	31.1	41	31.6	129.4	1	Ci.	Cu.	7	A.-Cu.	Cu.-N. NE
29..	Calm	NNE	NNE	N	NE	Calm	14	54.9	55.7	16.1	140.7	8	A.-Cu.	Cu.-N. NNE	9	A.-Cu.	Cu.-N. N
30..	Calm	N	N	NE	NbyE	N	22.2	62.2	114.6	93.9	292.9	10	....	N.	10	....	N.
31..	NNE	N	N	NNE	NE	NNE	72.9	79.1	83.7	56.6	292.3	6	A.-Cu. E	S.-Cu. ENE	9	A.-Cu.	Cu.-N. NNE
Mean	......	......	......	......	......	......	27.4	40.4	52.5	30.5	150.8	5.5	....	....	7.3	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	4,675.2	.....	....	....	.....	....	....

LEGASPI, ALBAY

[ϕ=13° 09′ N; λ=123° 45′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.13	61.25	62.59	60.70	61.17	62.26	61.52	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	3.5
2..	61.04	61.17	62.79	60.37	61.22	62.34	61.49	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	2.6
3..	61.56	62.18	62.99	61.11	61.53	62.89	62.04	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	4.3
4..	62.14	62.27	63.72	61.69	62.12	63.28	62.54	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	30.9
5..	62.38	62.52	63.82	62.32	63.32	64.26	63.10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	.8
6..	64.18	64.55	65.28	63.55	64.22	64.75	64.42	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	2.5
7..	63.60	63.52	64.41	62.38	62.98	63.87	63.46	25	24.4	28.3	29	26.8	25.2	26.4	30.8	24.3	86	90	68	67	77	88	79.3	3.8
8..	63.13	63.07	63.65	61.38	61.73	62.44	62.57	24.6	24.5	28.8	29.8	27	25.6	26.7	30.1	23.8	91	90	73	69	80	87	81.7	1.8
9..	61.26	61.49	62.30	60.46	60.64	61.37	61.25	25.3	24.9	29	29.8	27.2	25	26.9	30.3	24.1	88	88	74	71	77	84	80.3	1.5
10..	60.18	60.66	61.66	59.55	60.03	60.76	60.47	24.1	20.8	28.8	30.3	27.3	25.9	26.2	30.8	20.6	84	94	67	62	74	81	77	....
11..	59.59	60.13	61.17	59.26	59.70	60.93	60.13	25.4	22.9	28.6	30.5	27.3	26	26.8	30.8	22.7	80	92	72	69	86	87	81	....
12..	60.01	60.34	61.46	59.50	59.95	61.38	60.44	25.2	21.7	28.1	30.6	27.5	26	26.5	31	21.5	84	92	70	65	77	84	78.7	....
13..	60.65	60.96	62.25	60.36	60.53	62.34	61.18	24.1	21.2	28.8	30.2	26.8	25.9	26.2	30.4	21.1	90	95	67	61	73	77	77.2	....
14..	62.04	62.43	64.10	62.21	62.56	63.68	62.84	24.6	24.1	28.8	29.6	26.6	25.6	26.6	30.4	24	85	84	65	63	74	79	75	....
15..	62.89	62.92	63.79	61.66	62.03	63.21	62.75	24.1	21.2	28	30.3	27.2	25	26	30.8	20.9	86	92	69	62	78	84	78.5	3.1
16..	62.47	62.62	63.65	61.87	62.54	63.92	62.84	24.1	25.2	28	30	27.3	25.3	26.6	30.4	23.2	89	87	71	62	72	81	77	....
17..	63.37	63.74	64.77	63.21	63.58	64.90	63.93	25	23.4	28.3	29.3	26.5	25	26.2	29.8	23.2	77	80	59	57	68	76	69.5	....
18..	64.14	64.24	65.50	63.54	63.97	64.87	64.38	24.8	24.6	28.8	30	26.6	25.1	26.6	30.5	24.5	76	77	61	61	73	79	71.2	....
19..	63.97	64.33	65.13	63.51	64.51	65.20	64.44	24.7	24.1	28.4	29.9	24.1	23.7	25.8	30.6	23.5	79	78	57	56	86	85	73.5	2.3
20..	64.17	63.89	64.57	62.58	62.66	64.25	63.69	23.3	24.4	27.5	26.6	26.3	25.2	25.6	28.4	23.1	84	77	65	74	71	76	74.5	.8
21..	63.72	63.90	64.47	62.86	63.14	64.63	63.79	25	24.4	27.4	28.2	25.3	25.1	25.9	28.9	24.1	75	77	64	66	78	76	72.7	....
22..	63.82	63.79	64.87	62.58	62.63	63.87	63.59	24.8	24.6	26.6	28.5	25.5	25	25.8	28.8	23.7	73	74	65	57	71	73	68.8	....
23..	62.68	62.49	63.81	61.91	61.86	63.29	62.67	24.6	24.1	27.8	28.2	26.3	25.6	26.1	29.4	23.9	73	76	65	68	74	76	72	....
24..	62.26	62.43	63.47	61.37	61.08	62.24	62.14	25.5	25.1	27.2	29	27.1	26.1	26.7	30.3	25.1	76	78	69	63	72	79	72.8	....
25..	61.54	61.71	63.32	61.01	61.22	62.63	61.90	25.8	25.4	27	28.5	26.8	26	26.6	29.4	24.8	80	82	84	78	79	81	80.7	2.3
26..	61.81	62.32	63.55	61.87	62.34	63.19	62.51	25.4	24.6	28.3	29.5	26.1	25.1	26.5	29.9	24.4	82	81	59	54	69	74	69.8	....
27..	61.75	62.08	63.58	61.41	61.61	63.24	62.28	24.7	24.6	27.5	30.3	26.6	25.1	26.5	30.6	24.5	75	75	67	59	78	85	73.2	1.1
28..	62.08	62.24	63.67	61.58	61.51	62.47	62.26	24	23.8	26.9	27.3	26	24.6	25.4	28.3	23.1	86	88	80	70	76	82	80.3	.5
29..	61.44	62.09	63.81	61.86	61.72	62.91	62.30	24.8	24.9	28.3	30.3	26.8	24.7	26.6	30.8	24.6	79	77	67	59	71	79	72	....
30..	62.09	62.25	63.80	61.40	61.77	62.94	62.38	22.4	20	24.5	29.3	26.5	25.1	24.6	29.9	19.9	88	93	92	66	80	88	84.5	.3
31..	61.89	62.17	63.10	60.95	61.73	62.64	62.08	24.9	24.6	28.8	30.4	27	25	26.8	30.8	24.4	85	86	71	64	75	85	77.7	3.3
Mean	62.23	62.44	63.58	61.61	61.99	63.13	62.50	24.6	23.7	27.9	29.4	26.6	25.3	26.3	30.1	23.3	82	84.1	68.8	64.1	75.6	81	76	....
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	65.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	NE	NE	NE	NE	NE	103.5	89.3	83.1	58.7	334.6	6	Ci.	Cu.-N. ENE	4	A.-Cu. NE	Cu.-N. ENE
2..	NE	NE	NE	NE	NE	NE	56.1	73.8	78.7	79.5	288.1	2	Ci.	Cu. ENE	6	A.-Cu. ENE	Cu.-N. ENE
3..	NE	NE	NE	N	NNE	NE	86.9	92	93.3	84.2	356.4	10	Ci.-S.	Fr.-N. NE	6	A.-Cu. NE	Cu.-N. ENE
4..	NE	NE	NNE	NE	NE	NE	80.7	89.8	96.1	84.7	351.3	10	Ci.-S.	N. NE	10	Ci.-S.	N. ENE
5..	NE	NE	NE	ENE	NE	NE	96.9	127.4	122.6	114.9	461.8	3	Ci.	Cu ENE	3	....	Fr.-Cu. ENE
6..	N	ENE	NE	NE	NNE	NNE	112.1	116.9	136.6	134.2	499.8	4	....	Cu. ENE	2	Ci.	Cu. ENE
7..	N	NNE	NE	NE	NE	NW	123.4	148.1	160.3	108.6	540.4	9	Ci.-S.	Fr.-N. ENE	6	Ci.	Cu.-N. ENE
8..	NE	NE	NE	NE	NE	N	78.6	89.5	97.4	45.7	311.2	6	Ci.	Cu.-N. E	2	....	Cu.-N. E
9..	NE	NNE	NE	ENE	NE	NE	42.8	71	73.2	52.5	239.5	8	Ci.	Fr.-N. E	2	....	Cu.-N. E
10..	NE	Calm	NE	NE	NNE	NE	20.6	49.1	59.3	55.7	184.7	1	....	Cu.	2	....	Cu. E
11..	NE	Calm	NE	ENE	NE	NW	30.6	46.5	77.2	46.2	200.5	5	Ci.	Cu.-N. E	1	Ci.	Cu.
12..	Calm	Calm	N	ENE	NE	ENE	11.9	27.6	57.4	38.6	135.5	3	Ci. SW	Cu.	1	Ci. SW	Cu.
13..	Calm	Calm	E	E	ENE	NE	4.2	46.5	85.6	85	221.3	1	....	Cu. E	2	Ci.	Cu. E
14..	N	NNE	NE	ENE	ENE	NE	50.1	63.6	82.7	45.3	241.7	2	Ci.	Cu. ENE	5	Ci. E	Cu. ENE
15..	NE	Calm	NE	NNE	NE	N	20.1	28.8	53.7	48.6	151.2	2	A.-Cu.	Cu. ENE	2	....	Cu. ENE
16..	NE	NE	NE	ENE	NE	N	45.6	79.9	96	58.1	279.6	9	Ci.-S.	Cu.-N. ENE	3	A.-Cu. ENE	Cu.
17..	N	NNE	NE	NE	NE	N	68.7	96.9	116.7	94.8	377.1	0	....	....	3	....	Cu. ENE
18..	N	NNE	NE	ENE	N	NNE	89.3	107.6	92.8	71.3	361	0	....	....	1	....	Cu.
19..	N	NNE	NE	NE	N	NNE	47.8	87.7	80.2	72.9	288.6	2	....	Cu. NE	3	A.-Cu.	Cu. NE
20..	N	NNE	NE	NNE	ENE	NNE	84	102	95.2	116.1	397.3	4	....	Fr.-Cu. NE	5	A.-Cu. ENE	Cu.-N. NE
21..	N	NNE	NNE	NNE	NE	NE	102.8	137.1	115.6	99.8	455.3	0	....	....	7	A.-Cu. ENE	Cu. NE
22..	N	NNE	ENE	NNE	N	NNE	61	95.3	119.4	110.8	386.5	9	A.-Cu. E	Cu. NE	2	....	Cu. NE
23..	N	NNE	NNE	NNE	NE	NE	92.3	122.1	109.7	86.1	410.2	0	....	....	5	A.-Cu. E	Cu. ENE
24..	E	NNE	NNE	NNE	ENE	NE	74.6	96.1	85.3	97.1	353.1	8	A.-Cu.	Cu. E	9	A.-Cu. ENE	Cu. E
25..	N	NNE	NE	NE	NE	NE	85.8	79.2	92.5	82.9	340.4	5	Ci.	Cu.-N. E	7	A.-Cu. ENE	Cu.-N. E
26..	NE	NNE	ENE	ENE	ENE	NNE	78.3	101.9	105.6	102.7	388.5	2	....	Cu. E	4	A.-Cu. NE	Cu. NE
27..	N	NNE	N	NNE	ENE	NNE	88.8	103.6	97.4	83.9	373.7	4	A.-Cu.	Cu. ENE	1	....	Cu. ENE
28..	W	NNW	ENE	ENE	NE	NE	55.7	77.9	89.5	80.8	303.9	8	Ci.-S.	Cu.-N. ENE	9	Ci.-S.	Cu.-N. ENE
29..	NE	NE	E	E	E	NE	80.7	82.3	85.3	45.9	294.2	1	....	Cu.	1	Ci.	Cu. ENE
30..	Calm	Calm	NE	NE	ENE	NE	7	34.9	68.6	67.9	178.4	1	....	Cu. E	1	....	Cu. ENE
31..	NE	NE	NE	ESE	E	NE	46.9	65.7	80.8	39.4	232.8	1	....	Cu. ENE	2	....	Cu. ENE
Mean	......	......	......	......	......	......	65.4	84.8	93.2	77.2	320.6	4.1	....	....	3.8	....	....
Total	......	......	......	......	......	......	......	.....	.....	.....	9,938.6	....	....	....	....	....	....

NOTE.—The temperature and relative humidity for the 1st to 6th, are omitted as the thermometer shelter was destroyed by a typhoon on December 25, 1918.

LEGASPI, ALBAY

[φ=13° 09′ N; λ=123° 45′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	62.47	62.73	63.45	61.55	62.26	63.09	62.59	24.1	23.5	28.4	30.4	27	25.5	26.5	30.4	21.7	91	95	74	68	80	84	82	......
2..	62.34	62.88	64.13	62.26	62.72	63.84	63.03	25	24.4	28	30	26.6	25.4	26.6	30.4	23.8	83	86	69	60	71	74	73.8	......
3..	63.59	63.99	64.57	62.53	63.47	64.14	63.72	24.7	24.4	28.3	28.6	26.5	25.7	26.4	29.8	24.1	77	78	64	67	73	72	71.8	......
4..	63.74	64.33	65.46	63.41	64.48	64.87	64.38	24.2	23.7	28	29.8	26.5	25.5	26.3	30	23.1	80	81	60	52	65	71	68.2	......
5..	63.90	65.06	65.67	63.94	65.07	65.52	64.86	25.2	24.8	27.8	29.6	26.5	25.6	26.6	30.2	24.6	71	73	61	58	73	77	68.8	4.8
6..	65.20	65.67	66.78	64.02	64.67	65.16	65.25	24.4	23.9	24.1	25.8	24.6	24.2	24.5	27.4	23	84	87	96	85	89	88	88.2	22.3
7..	64.22	65.17	65.85	63.91	64.16	64.33	64.61	24.7	24.8	27.1	27.5	25.5	25.6	25.9	28.9	23.7	85	84	81	70	82	87	81.5	9.1
8..	63.62	64.12	65.38	63.28	63.84	64.14	64.06	25.1	24.9	28.3	29.7	26.5	25.4	26.6	29.8	24	85	87	74	72	79	84	80.2	.3
9..	63.04	63.88	64.97	63.22	63.76	64.62	63.92	25	24.7	28	28.9	26.4	25.5	26.4	29.6	24.5	84	86	67	65	74	78	75.7	......
10..	63.30	63.49	64.27	62.02	62.23	64.12	63.24	25	24.1	28.5	28.8	26.8	23.8	26.2	29.8	23.8	80	86	67	67	76	91	77.8	5.1
11..	63.45	63.70	64.71	62.29	63.08	63.94	63.53	23.6	23.5	27.3	29	25.8	25.6	25.8	29.8	21.5	83	83	69	68	84	83	78.3	9.7
12..	63.05	62.99	63.84	61.51	61.96	63.02	62.73	24.7	23.2	26.8	29.8	26.5	26	26.2	30.5	23.1	88	97	83	69	82	84	83.8	1.3
13..	62.05	62.22	63.52	61.42	61.62	62.94	62.30	25	24.5	27.7	28	26.8	25.4	26.2	29.8	24.5	89	92	82	83	82	87	85.8	2.3
14..	62.32	62.54	63.61	62	62.96	63.32	62.79	24.7	24.4	29.3	30	27.2	25.9	26.9	30.8	24.1	83	83	70	68	75	81	76.7	......
15..	63.19	63.22	63.75	61.65	62.20	62.99	62.83	25	23.9	28.3	30.1	27.3	26	26.8	31	23.5	84	91	70	68	81	85	79.8	47.1
16..	62.11	62.27	62.33	60.80	60.84	61.62	61.66	24.9	23.7	26.6	27.3	26	25.2	25.6	29.6	23.6	90	97	80	80	81	83	85.2	......
17..	60.72	60.89	61.51	59.47	59.86	60.82	60.54	24.2	22.9	28.3	30.1	27	26	26.4	30.8	21.9	88	91	68	66	79	84	79.3	......
18..	59.97	60.37	61.60	59.61	60.48	61.39	60.57	25.5	24.9	28.4	30	26.8	25.9	26.9	31.1	24.6	84	84	70	65	76	81	76.7	......
19..	60.87	61.57	62.36	60.10	61.01	61.93	61.31	25.1	24.9	28.8	30.1	27	26	27	30.8	24.6	82	82	72	68	80	82	77.7	......
20..	61.16	62.03	62.40	60.10	60.22	61.33	61.21	25.8	25.6	29.3	29.5	26.5	25.8	27.1	30.6	25.4	81	82	66	68	79	81	76.2	......
21..	59.99	60.67	61.83	59.24	59.47	60.17	60.23	25.7	25.6	29.8	30.3	27.5	26.1	27.5	30.9	25.5	81	81	69	69	81	87	78	......
22..	59.52	59.69	60.31	58.31	59.05	60.32	59.53	25.7	25.4	29.4	31.4	27.6	26.3	27.6	31.6	25.3	87	86	72	67	83	86	80.2	......
23..	59.62	60.26	60.72	59.07	59.77	61.07	60.08	25.8	25.4	30.1	31	27	26.2	27.6	31.9	25.1	88	88	68	68	83	86	80.2	......
24..	60.28	60.94	61.51	59.29	59.65	60.94	60.44	25.9	25.4	30.5	30.9	27.3	26.1	27.7	31.9	25.1	84	85	62	60	76	80	74.5	......
25..	60.09	60.98	61.55	59.75	60.02	61.12	60.58	25.2	24.4	29	30.1	26.9	25.1	26.8	30.9	24	83	86	68	63	74	83	76.2	7.4
26..	60.79	61.34	62.94	61.39	61.31	62.45	61.70	22.9	23.3	23.6	25.6	25.1	25	24.2	26.6	22.3	94	93	93	83	83	83	88.2	......
27..	61.49	61.99	63.02	61.34	61.08	62.02	61.82	24.8	24.4	27.8	26	25	25.6	25.6	28.1	23.6	83	84	73	79	85	81	80.8	19.5
28..	61.24	61.95	62.80	60.60	60.71	61.79	61.52	24.7	24.5	28.6	30.1	26.6	25.8	26.7	30.7	24.5	85	80	69	64	73	75	74.3	5.3
Mean	62.05	62.53	63.39	61.36	61.86	62.75	62.32	24.9	24.4	28.1	29.2	26.5	25.6	26.4	30.1	23.9	84.2	86	72	68.6	78.5	82.1	78.6	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	134.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	ENE	E	E	NE	11.3	41	80.7	55.3	188.3	8	Ci.-S.	Cu.-N. ENE	1	....	Cu. ENE
2..	E	ENE	ENE	E	E	NE	30.4	59	87.5	87.2	264.1	2	....	Cu. ENE	1	....	Cu.
3..	NE	ENE	ENE	NE	E	NE	68.7	97.1	99.5	90.7	356	1	....	Cu.	3	....	Cu. ENE
4..	NE	NE	ENE	NE	NE	NE	44.3	67.8	96.6	110.8	319.5	1	....	Cu. E	1	Ci.	Cu. ENE
5..	NE	NE	NE	E	ENE	NE	146.1	132	136.2	142.4	556.7	1	....	Cu.	2	....	Cu. NE
6..	NE	NE	E	E	NE	E	138.2	131.8	119.7	98.2	487.9	8	Ci.-S.	Fr.-N. ENE	8	Ci.-S.	Fr.-N. ENE
7..	E	NE	E	NNE	NE	NE	113	110.2	98.7	83.4	405.3	7	Ci.-S.	Cu.-N. ENE	2	....	Cu.-N. ENE
8..	N	NE	ENE	E	NE	NE	71.1	91.4	92.7	88.7	343.9	7	Ci.-S.	Cu.-N. E	2	....	Cu.-N. ENE
9..	NE	NE	NE	NE	NE	NE	94.1	105.6	89.6	95.8	385.1	4	Ci.	Cu. ENE	3	....	Cu. NE
10..	NE	NE	NNE	ENE	ENE	ENE	71	75.8	101.4	94.8	343	1	....	Cu. ENE	6	A.-Cu. E	Cu. ENE
11..	NE	NNE	NNE	ENE	NE	NE	75.8	91.7	93.5	95.2	356.2	1	....	Cu. ENE	7	A.-Cu. NE	Cu. ENE
12..	NE	E	NE	E	NE	NE	53.1	64.4	84	68.6	270.1	10	Ci.-S.	N. E	3	A.-Cu. E	Cu.-N. ENE
13..	N	NE	NNE	ENE	E	NE	56.3	66.6	99.2	60.4	282.5	9	Ci.-S.	N. ENE	6	A.-Cu. ENE	Cu.-N. ENE
14..	NE	NE	NE	ESE	E	NE	45.9	63.9	85.5	82.4	277.7	1	....	Cu. ENE	1	....	Cu. ENE
15..	NE	NE	NE	E	E	NE	81.3	89.8	82.4	64.7	318.2	9	Ci.-S.	N. ENE	7	Ci.-S.	Cu.-N. ENE
16..	Calm	Calm	NNE	ENE	NE	NE	18.2	55.2	106.5	78.1	258	10	Ci.-S.	N. NE	7	A.-Cu.	Cu. NE
17..	N	NNW	NE	ENE	NE	NE	34.6	69.4	83.5	85	272.5	3	A.-Cu. WSW	Cu.	1	....	Cu.
18..	NE	NE	NE	ESE	E	E	69.4	80.5	87.9	96.6	334.4	1	....	Cu.	1	....	Cu. NE
19..	E	NE	E	E	E	NE	75	71.1	96.1	100	342.2	2	....	Cu. NE	2	....	Cu. ENE
20..	NE	ENE	ENE	E	E	NE	97.6	99	96	80	372.6	3	....	Cu. ENE	8	A.-Cu. ENE	Cu.
21..	NE	NE	NE	ENE	E	ENE	47.2	63	68.6	53.1	231.9	8	A.-Cu.	Cu. E	2	....	Cu.
22..	NE	NE	NNE	E	E	NE	32.2	57.4	89	66	244.6	1	....	Cu. E	1	....	Cu.
23..	N	ENE	ENE	E	E	E	45.9	62.3	89.5	64.7	262.4	2	Ci.	Cu.	1	....	Cu.
24..	NE	NE	ENE	E	E	NE	54.7	70.3	87.1	54.2	266.3	1	Ci.	Cu.	2	....	Cu.
25..	NE	NE	NE	NNE	NE	NE	36.4	76.4	84.8	87.9	285.5	2	Ci.	Cu. ENE	3	....	Cu.-N. NE
26..	N	NE	NE	NNE	NE	NNE	79.9	107	92.5	99	378.4	10	Ci.-S.	N. NE	10	Ci.-S.	Fr.-N. ENE
27..	N	NE	NNE	E	NE	NE	91.7	79.5	98	78.7	347.9	7	Ci.	Cu.-N. ENE	10	Ci.-S.	N. ENE
28..	NE	NE	NE	E	E	NE	61.8	73.8	79.7	90.7	306	1	Ci.	Cu.	1	Ci.	Cu.
Mean	......	......	......	......	......	......	65.9	80.5	93.1	84	323.5	4.3	....	....	3.6	....	....
Total	......	......	......	......	......	......	......	......	......	......	9,057.2	....	....	....	....	....	....

LEGASPI, ALBAY

[ϕ=13° 09′ N; λ=123° 45′ E; barometer above sea, 5.5 meters; gravity correction not applied, −1.77 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.73	61.18	62.60	60.83	60.63	61.79	61.29	24.5	24.6	28.9	28.4	26.1	25.5	26.3	30.4	24.4	79	79	69	70	76	75	74.7	....
2..	60.75	60.89	62.25	60.80	60.80	62.38	51.31	24.2	21.9	28.8	30.6	26.9	26.3	26.4	31.6	21.9	78	92	67	64	77	79	76.2	....
3..	61.69	62.16	63.43	61.61	61.80	62.84	62.26	25.9	25.8	29.1	30.5	27.2	26.3	27.5	31.5	25.7	78	78	64	63	75	76	72.3	....
4..	61.94	62.38	63.77	62.15	62.25	63.08	62.60	25.8	25.6	29.4	30.4	26.5	25.7	27.2	30.7	24.8	78	79	58	54	70	73	68.7	....
5..	62.30	62.88	63.85	61.92	61.81	62.89	62.61	24.7	23.9	29.5	30.5	26.9	25.1	26.8	31.2	23.8	76	80	60	58	70	80	70.7	....
6..	61.92	62.33	62.87	61.11	61.28	62.43	61.99	24.4	24.8	28.8	30.3	26.3	24.9	26.6	31.2	24	83	79	63	64	82	86	76.2	2
7..	61.19	61.97	63.12	61.45	60.83	62.04	61.77	25.5	25.6	28.8	30.3	26.8	25.6	27.1	30.6	25.3	82	83	64	59	69	73	71.7	....
8..	61.18	61.67	62.68	60.69	60.95	62.31	61.58	24.8	25.1	29.4	30.3	27.1	24.7	26.9	31.4	23.8	77	76	62	62	75	90	73.7	9.9
9..	61.11	61.54	62.64	60.89	61.32	62.47	61.66	24.8	24.5	25.1	27.9	26.6	26.1	25.8	28.9	24.1	90	92	94	79	83	83	86.8	12.2
10..	61.66	62.29	63.34	61.31	61.32	62.44	62.06	25.2	25.6	28.2	30.1	27	25	26.8	30.6	24.7	82	81	68	63	74	83	75.2	3.6
11..	61.64	61.97	63.57	60.86	61.33	62.32	61.95	24.9	24.8	24.6	28	26	25.4	25.6	28.4	23.5	83	83	90	74	82	84	82.7	10.7
12..	61.80	61.95	63.53	61.55	61.31	62.43	62.10	24.6	24.7	29.9	28.8	27	26	26.8	30.4	24.2	82	82	68	73	80	84	78.2	....
13..	61.06	61.92	63.48	61.16	61.16	62.06	61.81	25.6	24.9	29.4	30.8	27.1	26.1	27.3	31.5	24.8	81	84	66	66	76	82	75.8	....
14..	61.29	61.85	63.30	61.15	61.75	62.64	62	25.2	24.9	28.7	30.3	27.5	26	27.1	31.9	24.5	87	87	69	65	76	84	78	....
15..	61.33	61.76	63.81	61.17	61.44	62.23	61.96	25.7	25.7	27.4	30.4	27.3	26.4	27.2	30.8	24.8	81	81	74	68	78	81	77.2	....
16..	61.36	61.87	63.36	60.97	61.30	62.51	61.90	24.5	24.4	29	29.9	27.1	24.6	26.6	31.9	23.3	80	80	68	66	76	90	76.7	.8
17..	61.50	61.48	63.33	61.53	61.77	62.89	62.08	23.7	23.5	24.8	30	27	25.6	25.8	30.5	22.9	92	86	88	67	75	83	81.8	7.2
18..	61.98	62.17	63.61	61.85	62.25	63.54	62.57	24.9	24.7	27.3	30.5	26.8	25.5	26.6	31.3	24.3	86	87	77	64	77	85	79.3	5.6
19..	62.33	62.74	63.96	62.03	62.38	63.79	62.87	25.2	24.8	28.6	28.2	27.3	24.6	26.4	29.9	23.1	87	88	77	79	81	90	83.7	4.8
20..	62.43	62.51	63.56	61.51	61.59	62.58	62.36	25.4	25.6	29.3	30.3	27.5	26	27.4	30.8	24.9	88	88	72	68	77	84	79.5	11.4
21..	61.54	61.58	62.63	60.55	60.61	61.71	61.44	25.8	24.7	29.1	30.3	27.2	25.4	27.1	30.8	24.1	81	87	71	62	72	80	75.5	....
22..	61.04	61.11	62.23	60.05	59.77	61.37	60.93	22.9	20.7	28.3	29.5	27.6	26.3	25.9	31.5	20.6	93	95	74	70	81	86	83.2	....
23..	60.22	61.11	61.72	59.79	60.35	60.92	60.68	26.1	24.4	29.3	30.9	27.1	26.7	27.4	31.6	24	86	93	69	67	84	83	80.3	.8
24..	60.07	61.09	61.85	59.75	60.07	61.38	60.70	25.8	25.7	30	30.5	27.5	25.8	27.6	31	24.4	86	85	65	65	73	81	75.8	....
25..	60.11	60.47	61.87	60.13	60.33	62.02	60.82	25.4	25.3	26.3	28	28.3	26.6	26.6	29.8	24.3	81	83	84	79	79	83	81.5	.3
26..	61.18	61.32	62.48	60.11	60.42	61.42	61.16	26	25.6	29	29.8	28	26.6	27.5	31.3	25.5	78	79	60	60	69	77	70.5	....
27..	60.28	60.62	62.01	59.81	59.75	61.14	60.60	26.1	25.2	27.8	31.3	28	25.5	27.3	31.8	25.1	78	83	72	64	74	87	76.3	....
28..	60.13	60.72	61.93	59.65	60.30	61.37	60.68	25.3	25.2	29	31.7	27.8	26.6	27.6	32.3	24.3	88	87	74	61	77	83	78.3	....
29..	60.14	60.81	61.77	59.89	59.90	61.62	60.69	26	25.6	30	30.6	27.7	26.5	27.7	32.1	24.8	85	84	65	63	72	78	74.5	.8
30..	60.07	60.14	61.31	58.76	58.86	61.07	60.03	25.8	25.4	29	30.2	28	26	27.4	31.4	24.8	81	84	71	68	74	83	76.8	4.1
31..	59.42	59.19	60.62	58.46	58.53	60.32	59.42	25.8	25.5	28.5	29.3	27.8	26.6	27.2	31.1	25.3	83	84	74	72	77	80	78.3	....
Mean	61.14	61.54	62.79	60.76	60.91	62.13	61.54	25.2	24.8	28.4	30	27.2	25.8	26.9	31	24.2	82.9	84.2	70.9	66.4	76.2	82.1	77.1	....
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	74.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	NE	E	E	E	NE	52.5	76.4	99	65.4	293.3	8	A.-Cu. NE	Cu. ENE	8	Ci.-S.	Cu.-N. NE
2..	NE	Calm	NE	E	ENE	NE	25.2	54.9	76.2	94.4	250.7	7	Ci.-S. E	Cu. NE	4	Ci.	Cu.-N. ENE
3..	NE	NE	E	E	E	E	102.7	90.7	95.5	107	395.9	4	Ci.	Cu. ENE	2	....	Cu. ENE
4..	E	E	ENE	ENE	NE	NE	95.8	104.1	97.2	85.1	382.2	2	Ci.	Cu. ENE	1	Ci.	Cu.
5..	N	NE	E	ESE	E	NE	45.7	69.4	81.5	54.2	250.8	1	Ci.	Cu. E	1	A.-Cu. ENE	Cu. ENE
6..	NE	NE	NE	ESE	E	NE	35.1	52.8	84.7	66	238.6	3	Ci.	Cu. ENE	8	A.-Cu. ENE	Cu. ENE
7..	N	NE	E	E	E	NE	77.2	113.2	106.4	101.9	398.7	4	Ci.	Cu.-N. ENE	3	Ci. ENE	Cu. ENE
8..	NE	NE	E	ENE	NE	NE	80.5	83.4	83.4	62.3	309.6	3	....	Cu. ENE	4	Ci. ENE	Cu. ENE
9..	NE	NE	NE	ENE	E	NE	56.8	89.8	98.7	83.5	328.8	8	Ci.-S.	Fr.-N. NE	9	Ci.-S.	Cu.-N. E
10..	NE	NE	E	ESE	E	NE	73.2	101.4	90.1	59.5	324.2	4	A.-Cu.	Cu. ENE	1	....	Cu. ENE
11..	N	NE	NE	ENE	NE	NE	45.7	55.7	98.2	88.3	287.9	8	Ci.-S.	N. ENE	7	A.-Cu. ENE	Cu.-N. ENE
12..	E	NE	ENE	NNE	NE	ENE	75.8	66.5	56.3	63.3	261.9	7	Ci. S	Cu.	8	Ci.-S.	Cu.-N. ENE
13..	N	NE	NE	ESE	E	NE	67.6	71.8	83.7	91.7	314.8	2	....	Cu. ENE	1	....	Cu. ENE
14..	NE	NE	NNE	ESE	ENE	E	75.3	75.3	79.5	75.3	305.4	3	....	Cu. ENE	8	A.-Cu. NNE	Cu. ENE
15..	NE	NE	ENE	ESE	E	E	44	68.7	88.3	82.6	283.6	1	....	Cu.	1	A.-Cu. NNE	Cu. ENE
16..	NE	NE	ENE	ENE	E	NE	32.5	77.7	81.9	84.7	276.8	0	....	....	6	....	Cu.-N. NE
17..	NE	NE	ESE	E	NE	NE	59.3	65	82.7	76.1	283.1	10	Ci.-S.	N. NE	2	A.-Cu. NNE	Cu. NE
18..	NE	NE	ENE	E	ENE	NE	62.8	64.4	71.9	56.8	255.9	3	Ci.	Cu.-N. ENE	7	A.-Cu. NE	Cu. ENE
19..	NE	E	ENE	ESE	NE	E	34.4	46.1	75.4	63.3	219.2	2	Ci. WSW	Cu. ENE	7	Ci.-S.	Cu.-N. ENE
20..	NE	E	E	ESE	E	NE	52.9	74.5	92	58.5	277.9	4	Ci.	Cu.-N. E	1	....	Cu. E
21..	NE	NE	E	ESE	E	E	31.2	67.6	74.6	46.1	219.5	1	....	Cu. E	1	....	Cu. E
22..	Calm	Calm	NE	E	E	NE	10.5	43.1	79.4	64.2	197.2	0	....	....	2	A.-Cu. ENE	Cu. E
23..	E	Calm	E	E	E	E	36.5	34.1	87.2	82.4	240.2	7	Ci.-S.	Cu. E	1	....	Cu.
24..	E	E	E	ESE	E	NE	35.9	68.7	93.8	51	249.4	5	Ci.	Cu.-N. E	1	Ci. NE	Cu. E
25..	NE	Calm	NE	ENE	E	E	32.5	48.5	66	81.3	228.3	10	Ci.-S.	N. NE	8	Ci.-S.	Cu.-N. NE
26..	NE	NE	ENE	NE	E	NE	92.7	101.6	73.5	102.7	370.5	1	....	Cu.	8	A.-Cu. ENE	Cu. ENE
27..	NE	NE	NNE	ESE	E	E	78.9	86.6	80.7	77.7	323.9	3	A.-Cu.	Cu. ENE	1	....	Cu. ENE
28..	N	NE	N	ESE	E	NE	53.6	68.2	94.1	79.9	295.8	4	Ci.	Fr.-Cu. NE	1	Ci. W	Cu. NE
29..	NE	NE	NE	ESE	E	NE	64.7	80	85.6	55.2	285.5	2	....	Cu. ENE	1	....	Cu. ENE
30..	NE	NE	E	E	E	E	61.4	70.5	87.5	60.6	280	7	Ci.	Fr.-N. ENE	2	....	Cu. E
31..	N	NE	NE	ENE	ENE	E	40.2	74.6	96.8	81.8	293.4	6	Ci.	Cu.-N. E	6	Ci.	Cu. ESE
Mean	......	......	......	......	......	......	55.9	72.4	85.2	74.3	287.8	4.2	....	....	3.9	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	8,923	....	....	....	....	....	....

LEGASPI, ALBAY

[ϕ=13° 09′ N; λ=123° 45′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.44	60.05	61.50	59.42	59.92	61.21	60.26	26.3	23.5	30.3	31	28	27	27.7	31.8	23.4	80	93	65	67	77	81	77.2	....
2..	60.03	60.29	62.11	60.14	60.78	61.52	60.81	26.4	25.9	30	30.8	28	26.3	27.9	31.8	25.5	83	85	67	65	77	86	77.2	0.8
3..	60.39	60.87	61.42	59.16	59.17	60.43	60.24	25.7	25.3	29.2	31.5	28	26.7	27.7	31.8	25.1	88	89	73	68	79	84	80.2	....
4..	59.34	59.92	61.11	59.09	59.57	61.07	60.02	25.9	23.9	30.1	30.8	28	26.6	27.6	31.3	23.8	85	92	73	71	79	83	80.5	....
5..	60.72	60.84	61.63	59.66	60.25	62.01	60.85	25.9	25.2	29.8	31.9	28.1	26.7	27.9	32	25.1	82	84	69	63	75	83	76	....
6..	60.99	60.84	61.72	59.77	60.37	61.82	60.92	25.8	25.9	29.6	31.7	28.1	27.1	28	32.5	25.5	86	86	71	62	78	83	77.7	1.8
7..	60.62	60.76	61.40	59.27	59.77	60.43	60.38	26.7	25.4	30.3	31.3	28	27	28.1	31.8	24.9	81	87	66	63	77	81	75.8	.8
8..	59.07	58.89	60.08	57.75	58.51	59.82	59.02	26.4	26.2	29.3	31.5	29	26.3	28.1	32.7	25.2	81	82	74	65	76	90	78	14.1
9..	58.29	58.15	59.46	57.86	58.52	59.48	58.63	25.3	26	29.4	26.8	26.3	26.4	26.7	31.3	24.6	94	90	77	90	86	89	87.7	2.4
10..	58.10	58.19	59.79	57.49	58.26	59.65	58.58	26.6	25.8	30	31.3	28.5	27.4	28.3	31.6	25.5	88	91	75	70	83	89	82.7	1.3
11..	58.40	58.85	60.20	57.66	57.95	59.70	58.79	26	26.5	29.8	31.4	28.5	27.5	28.3	31.8	26	92	90	75	72	83	82	82.3	....
12..	58.47	58.95	60.10	58.05	58.51	59.95	59	26.9	26.5	30.5	31.4	28.5	27.5	28.6	32.2	26.2	84	86	68	66	76	80	76.7	....
13..	59.06	59.22	60.24	58.05	58.37	60.45	59.23	26.9	26.3	30.6	31.2	28.6	27.1	28.4	32	26.3	80	82	68	68	73	81	75.3	....
14..	58.97	59.33	60.57	58.71	59.13	60.90	59.60	26.8	26.6	31.3	32	28.5	27.2	28.7	32.5	26	82	83	65	63	78	83	75.7	....
15..	60.16	60.53	61.29	59.05	59.37	61.50	60.32	27	27.1	31.3	32	28.5	27.2	28.8	32.7	26.9	83	83	69	69	78	83	77.5	....
16..	60.81	60.58	61.31	59.25	59.41	60.60	60.33	26.7	26.4	30.5	30.3	28.8	27.1	28.3	32.3	25.5	82	82	67	66	76	83	76	....
17..	59.31	59.43	60.62	58.57	58.67	60.35	59.49	26.6	26.5	29.9	31	28.4	27.1	28.2	32.6	26.2	84	83	71	71	80	87	79.3	2.8
18..	58.93	59.37	60.66	58.81	58.81	60.21	59.46	26.6	26.5	30.8	32.1	28.5	27.1	28.6	32.6	26.2	88	88	67	66	79	86	79	10.9
19..	60.06	60.43	61.85	60.05	60.58	61.93	60.82	26.9	26.5	28	30.5	28.5	27.2	27.9	31.1	24.4	86	88	85	72	80	85	82.7	7.4
20..	61.27	61.43	62.46	60.81	60.82	62.50	61.55	26.8	26.5	30.6	31.7	28.5	27.4	28.6	32.5	26	86	88	71	69	80	82	79.3	....
21..	61.71	61.84	62	60.17	60.15	61.95	61.30	26.8	26.1	30.8	32	29.3	27	28.7	32.6	26	82	85	69	67	74	85	77	....
22..	60.56	60.74	61.80	59.54	59.66	60.85	60.52	26.9	26.3	27.8	31.3	28.5	27.6	28.1	31.8	24.6	84	86	86	72	81	84	82.2	1.8
23..	60.34	61.32	61.94	59.71	60.15	61.80	60.88	27	26.2	31.3	32.1	28.8	27.6	28.8	32.5	25.7	83	86	69	71	81	84	79	....
24..	61.09	61.27	62.05	60	60.36	62.20	61.16	26.7	26.5	30.8	31.5	29	27.7	28.7	33	26.3	88	88	69	68	74	81	78	....
25..	60.77	60.92	61.79	59.89	59.63	61.25	60.71	26.8	26.6	31.8	30.3	29	27.3	28.6	32.3	26.2	84	85	66	68	75	83	76.8	....
26..	60.06	60.18	61.06	58.72	59.41	60.73	60.03	26.5	26.4	30.5	31.2	28.9	27.2	28.4	32.1	26	86	86	68	66	77	86	78.2	....
27..	59.11	59.47	60	57.88	58.55	59.60	59.10	27.1	26.9	30.9	32.1	28.9	27.2	28.8	32.9	26.7	85	86	70	66	76	82	77.5	....
28..	58.62	59.17	60	58.04	58.38	59.36	58.93	27	26.6	30.8	32.5	29.5	27.6	29	33.3	26.3	82	82	69	65	77	85	76.7	.5
29..	58.77	59.34	60.44	58.85	59.42	60.38	59.53	26.9	26.6	31.3	31.8	28	27.8	28.7	32.4	26.1	89	90	69	69	83	82	80.3	....
30..	59.87	60.08	60.91	58.94	59.10	60.30	59.87	27	26.6	30.7	32	29	27.7	28.8	32.6	26.5	80	80	71	69	80	82	77	....
Mean	59.78	60.04	61.05	59.01	59.38	60.80	60.01	26.6	26.1	30.3	31.3	28.5	27.2	28.3	32.2	25.6	84.6	86.2	70.7	68.2	78.3	83.8	78.6	....
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	44.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	Calm	E	ESE	E	E	27.9	38	92	70.8	228.7	2	A.-Cu. SW	Cu.	1	Ci.-S.	Cu. ESE
2..	E	E	E	ENE	E	E	42	71.9	84.3	46.2	244.4	3	Ci. SW	Cu. E	2	Ci. SW	Cu. ESE
3..	Calm	E	E	ESE	E	E	22.7	46.9	78.3	53.7	201.6	5	Ci.	Cu. E	3	A.-Cu.	Cu. ESE
4..	E	Calm	E	ENE	E	E	29.3	56	90.1	68.2	243.6	4	Ci. SW	Cu. ENE	1	....	Cu. ESE
5..	E	E	E	ESE	E	NE	48.3	63.1	76.4	61	248.8	3	Ci. SW	Cu. ENE	1	....	Cu. ENE
6..	NE	NE	ENE	E	E	NE	30.9	62.5	93	73.5	259.9	6	Ci.	Cu. ENE	2	Ci.	Cu.
7..	NE	ENE	E	ESE	E	NE	42	53.9	87.7	72.7	256.3	4	Ci.	Cu. E	1	Ci. SW	Cu. E
8..	N	NE	NE	ENE	ESE	E	53.1	68.7	86.1	85.8	293.7	8	Ci.	Cu.-N. ENE	3	Ci. SW	Cu.-N. ENE
9..	N	ENE	NE	ENE	NE	NE	60.9	80.2	79.4	58.2	278.7	9	Ci.-S. SW	Cu.-N. ENE	10	Ci.-S.	N. ENE
10..	N	NE	NE	E	NE	E	60.4	72.2	85.5	54.5	272.6	5	Ci.	Fr.-Cu. E	5	A.-Cu. SSE	Cu. ESE
11..	E	E	ESE	ESE	ENE	ENE	43.1	68.2	92.8	94.4	298	6	Ci.	Cu. E	2	Ci.	Cu. E
12..	E	NE	NE	E	E	E	77	81.3	96.1	82.6	337	5	Ci.	Cu. E	1	....	Cu. E
13..	N	E	E	ENE	E	NE	56.5	74	93.9	65.5	289.9	1	Ci.	Cu.	1	....	Cu.
14..	NE	NE	E	E	E	NE	57.7	75.9	89	63.9	286.5	3	....	Cu. E	1	Ci.	Cu.
15..	NE	E	E	E	ENE	E	56.6	74.2	94.6	73.8	299.2	8	A.-Cu. SSW	Cu. NE	2	A.-Cu. SSW	Cu. NE
16..	N	NE	E	NE	NE	NNE	46.2	66.8	83.7	72.1	268.8	1	Ci.	Cu.	1	....	Cu. ENE
17..	N	NE	NNE	NNE	E	NE	68.7	69	84.5	51.8	274	5	Ci.	Cu.-N. ENE	2	....	Cu. ENE
18..	N	NE	E	E	E	E	44.3	65.2	88.8	64.2	262	8	....	Cu.-N. ENE	1	....	Cu.
19..	NE	NE	NE	E	E	NE	54.4	64.1	80.2	63.4	262.1	4	....	Cu.-N. ENE	3	A.-Cu.	Cu. ENE
20..	NE	NE	E	E	NE	NE	56.6	69.2	83.4	94.1	303.3	1	....	Cu. ENE	1	....	Cu. E
21..	NE	NE	E	ESE	E	NE	69.4	71.8	78.3	48.3	267.8	3	Ci.	Cu. E	1	Ci.	Cu. ENE
22..	NE	NE	ENE	ESE	E	NE	82.2	48	81.5	57.9	219.6	6	Ci.-S.	Cu.-N. E	2	Ci.	Cu. ENE
23..	N	Calm	NNE	E	E	NE	33.6	59.5	87.9	76.2	257.2	3	....	Cu.-N. E	2	Ci. NW	Cu. ENE
24..	N	Calm	E	ESE	E	NE	33.6	67.6	90.4	84.7	276.3	4	....	Cu.-N. E	1	Ci.	Cu. ENE
25..	N	NE	E	NNE	E	NE	52.1	71	64.2	58.1	245.4	2	Ci.	Cu. ENE	6	Ci. E	Cu. ENE
26..	NE	NE	NE	E	E	NNE	41.6	62.3	88.7	63.4	256	2	Ci.	Cu. ENE	2	Ci.	Cu.
27..	NE	E	E	E	E	NNE	65	63.6	90.7	65.2	284.5	3	Ci. S	Cu. ENE	2	Ci.	Cu.
28..	N	NE	N	ESE	E	NE	30	62.8	84.3	59	236.1	2	Ci.	Fr.-Cu. E	1	Ci.	Cu. NE
29..	NE	Calm	NE	ESE	E	NE	25.7	52.1	95.8	55.2	228.8	4	A.-Cu.	Cu. ENE	5	A.-Cu. ENE	Cu.-N. ENE
30..	E	E	E	ESE	E	NE	53.3	64.4	103.3	73.5	294.5	1	Ci.	Cu.	1	....	Cu. ENE
Mean	......	......	......	......	......	......	47.2	64.8	86.8	67.1	265.8	4	....	....	2.2	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	7,975.3	....	....	....	....	....	....

LEGASPI, ALBAY

[φ=13° 09′ N; λ=123° 45′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.79	59.93	60.37	58.40	58.86	60.03	59.56	27.3	26.3	31.3	32.3	29.3	27.2	29	32.7	26.1	82	86	67	64	78	84	76.8	....
2..	59.81	60.29	60.72	58.61	58.81	60.90	59.86	27.1	27	31.4	32.3	29.1	28.1	29.2	33.2	26.9	83	83	66	69	81	82	77.3	....
3..	59.82	59.77	60.37	58.80	58.86	60.20	59.64	27.5	26.9	31.8	32.6	29.1	27.6	29.2	33.5	26.4	81	84	66	63	76	84	75.7	3.8
4..	59.40	59.53	60.11	59.17	59.44	60.90	59.76	27	26.6	31.5	32.1	29.4	27.2	29	33	26	84	85	62	64	75	87	76.2	5.1
5..	60.54	60.58	61.63	60.09	60.60	61.28	60.79	25.2	26.4	28.3	31.1	28.8	28.1	28	31.8	24.8	92	86	81	73	79	82	82.2	27.7
6..	60.02	60.39	61.20	59.54	60.06	60.97	60.36	27.8	26.9	29.9	30	28.4	27.1	28.4	32.6	26.1	82	87	75	75	80	87	81	2.8
7..	59.56	59.68	60.91	58.84	58.68	59.90	59.60	26.8	26.5	26.3	31.8	29	27.1	27.9	32.4	25.8	88	90	88	70	81	89	84.3	9.7
8..	58.97	59.12	59.85	58.60	59.11	60.40	59.34	26.8	26.6	30	32.5	29.3	28	28.9	32.8	26.3	90	90	76	65	81	85	81.2	9.1
9..	59.58	59.74	60.21	58.60	58.86	60.22	59.54	27.6	26.4	31	31.4	29.3	27.9	28.9	32.6	25.8	86	92	70	71	74	82	79.2	.5
10..	58.97	59.12	59.94	58.20	57.76	59	58.83	27.3	27	31.3	30.4	29	28	28.8	32.9	26.5	83	84	67	78	81	85	79.7	....
11..	57.52	58.15	58.79	56.78	57.75	59.32	58.05	27.3	24.7	31.1	32.9	29.1	28.6	29	33.4	24.6	86	95	71	69	83	85	81.5	....
12..	57.88	58.44	59.10	57.15	57.07	58.82	58.08	28	25.1	31.7	32.8	29.8	28.6	29.3	33.7	25	85	95	60	64	76	83	77.2	....
13..	58.16	58.58	59.27	57.10	57.21	59.21	58.26	28	25.4	32	33	30	28.4	29.5	33.8	25.1	82	93	64	63	75	85	77	....
14..	58.34	58.73	58.77	57	57.08	58.87	58.13	28.1	26.3	31.5	32.5	29.5	28.4	29.4	33.9	25.8	86	89	68	65	76	81	77.5	....
15..	57.36	57.35	58.33	56.38	56.76	58.10	57.38	27	24.6	31.8	32	30	28.3	29	34.4	24.4	87	94	66	68	78	86	79.8	....
16..	57.08	57.14	58.28	56.07	56.15	58.33	57.18	26.1	25.2	31.8	33.4	30.4	29	29.3	34.2	25	91	95	66	61	74	78	77.5	....
17..	57.18	57.42	58.01	55.65	56.15	58.42	57.14	26.9	25.5	32	32.4	30.4	27.1	29	34.6	25.3	87	93	66	71	74	91	80.3	....
18..	56.82	57.32	57.73	55.47	56.33	57.85	56.92	25.8	24.9	32.1	34.1	30.7	27.1	29.1	34.9	24.6	93	97	63	64	77	90	80.7	....
19..	57.76	58.25	58.40	56.42	57.08	58.63	57.76	26	25.4	32.8	33.8	30.8	29.4	29.7	34.6	24.9	93	94	59	64	76	82	78	....
20..	58.11	59.19	59.50	57.03	57.67	59.62	58.52	27.2	26.4	30.8	33.2	30.3	28.4	29.4	34.1	26.2	92	93	72	65	79	88	81.5	....
21..	59.11	59.53	60.14	58.33	58.16	60.15	59.24	26	25.2	31.8	33.4	30	28.9	29.2	34.4	25.1	94	96	69	64	79	82	80.7	....
22..	59.31	58.93	59.44	57.58	57.90	59.52	58.78	27.7	27.1	31.8	34.3	30.3	28.1	29.9	34.6	26.9	87	88	64	59	70	82	75	....
23..	58.16	58.80	59.52	57.83	57.96	59.43	58.62	25.9	24.4	32	31.5	29.9	26.5	28.4	34.3	24.3	90	92	68	68	75	92	80.8	....
24..	58.79	58.85	59.77	57.64	57.85	59.31	58.70	25.3	24.5	31.5	33.5	30.3	29.1	29	34.3	24.4	95	95	68	61	77	81	79.5	....
25..	58.63	58.94	59.61	57.27	58.01	59.17	58.60	27.6	26	32.8	33.9	30	29.3	29.9	35	25.9	86	91	65	62	75	79	76.3	....
26..	58.36	58.54	58.71	56.62	56.63	58.61	57.91	26.1	25.1	32.4	33.8	31	27.5	29.3	34.7	24.9	91	94	64	65	75	91	80	....
27..	57.74	57.14	57.45	55.49	55.91	57.39	56.85	26.1	25.7	32.4	32.1	27	26.2	28.2	33.8	25.1	93	93	61	70	88	92	82.8	13.7
28..	56.72	56.93	57.81	55.96	56.18	58.31	56.98	25.6	25.3	31.7	31	29.5	26.6	28.3	32.9	25.2	92	93	64	71	78	92	81.7	....
29..	57.08	56.92	58.05	56.50	56.41	58.77	57.29	25.9	25.2	32.2	33.8	30.3	28.7	29.4	34.3	25	93	95	62	58	75	82	77.5	.5
30..	57.31	57.58	58.61	57.13	56.72	58.95	57.72	28.3	27.3	29.6	32.8	30	28.7	29.4	33.8	26.6	82	84	76	63	76	83	77.3	....
31..	58.83	59.11	59.72	58.44	58.27	59.18	58.92	27.7	26.4	31.8	32.4	29.4	28.1	29.3	33.3	26.2	87	92	66	66	75	81	77.8	7.4
Mean	58.47	58.71	59.37	57.51	57.75	59.35	58.53	26.9	25.9	31.3	32.6	29.7	28	29	33.7	25.5	87.8	90.9	67.7	66.2	77.3	84.9	79.2	....
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	80.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	E	E	ENE	E	E	42.8	62.6	85.1	56	246.5	1	....	Cu. E	1	Ci.	Cu. ENE
2..	N	NE	E	ESE	E	NNE	48.1	56.8	95.2	60.6	260.7	2	Ci.	Cu. ENE	1	Ci.	Cu. ENE
3..	N	NE	NNE	ENE	E	NE	64.9	89.3	102.8	105.1	362.1	1	Ci.	Cu. ENE	2	....	Cu. NE
4..	NE	NE	NE	E	ENE	NE	62.5	77.7	94.8	84.5	319.5	2	....	Cu. ENE	2	....	Cu. E
5..	N	NE	NNE	ENE	NE	NNE	57.7	51.7	79.1	86.7	275.2	4	Ci.	Cu. ENE	2	....	Cu. ENE
6..	NE	NE	NNE	ENE	NE	NNE	81.9	75.6	93.6	88.3	339.4	4	Ci.	Cu. ENE	4	Ci.-S.	Cu.-N. ENE
7..	NE	NE	NE	ESE	E	NE	64.6	55.3	73.4	69.2	262.5	3	Ci.	Cu. E	3	Ci.	Cu. ENE
8..	N	NNE	NE	ESE	E	NE	39.1	62.3	83.7	72.4	257.5	4	Ci.	Cu. ENE	4	Ci. ENE	Cu. ENE
9..	N	NE	E	ENE	E	NE	42	60.4	83.1	66.6	252.1	4	Ci.	Cu. E	2	Ci.	Cu.
10..	N	Calm	NE	E	E	NE	42.6	55.7	75.1	70.8	244.2	4	Ci.	Cu.-N. ENE	7	Ci.-S.	Cu. ENE
11..	E	Calm	E	E	E	E	38.9	33.3	68.7	68.2	209.1	2	A.-Cu.	Cu.	2	Ci.	Cu.
12..	E	Calm	NE	ESE	E	E	34.6	34.9	80.2	75.8	225.5	1	Ci.	Cu.	5	Ci. NE	Cu. ENE
13..	E	Calm	NE	ESE	ENE	NNE	27.2	45.1	82.7	73.4	228.4	5	A.-Cu.	Cu. ENE	5	Ci.	Cu. ENE
14..	N	E	NE	E	N	NNE	36.5	52.3	75.4	51.5	215.7	3	Ci.	Cu.	4	Ci.	Cu.-N. ENE
15..	Calm	NNE	NE	ESE	E	E	13.9	34.6	61.4	33.6	143.5	5	Ci. NW	Cu.	9	Ci.-S.	Cu.-N. ENE
16..	Calm	Calm	E	E	E	E	4	35.9	56.3	26.2	122.4	9	Ci.-S.	Cu.	4	Ci. NNE	Cu. ENE
17..	Calm	Calm	NE	E	E	Calm	4	36.4	58.4	12.3	106.1	6	Ci. W	Cu.	3	Ci.	Cu.
18..	Calm	Calm	ESE	E	S	Calm	4.2	31.1	52.3	6.7	94.3	3	Ci. N	Cu.	5	Ci.	Cu. S
19..	Calm	Calm	SW	FSE	E	E	14.2	36.4	64.7	43.8	159.1	7	Ci. N	Cu.	7	Ci.	Cu. SSE
20..	Calm	NW	SW	ENE	E	Calm	20.9	32	69.5	29	151.4	10	Ci.-S.	N.	6	Ci.-S.	Cu. WSW
21..	Calm	Calm	E	ENE	ENE	NNE	6.7	32.4	85	61	185.1	7	Ci.-S.	Cu. SE	7	Ci. E	Cu.
22..	N	E	ENE	E	NNE	E	23	65.5	78.3	50.9	217.7	2	Ci.	Cu. E	2	Ci.	Cu.
23..	Calm	Calm	E	ESE	Calm	Calm	3.7	40.8	46.9	2.9	94.3	5	A.-Cu.	Cu. E	8	Ci.-S.	Cu.-N.
24..	Calm	Calm	E	NNE	ENE	E	10	35.1	61.7	50.9	157.7	2	Ci.	Cu.	5	Ci. E	Cu. ENE
25..	Calm	Calm	S	E	Calm	NNE	16.3	36.7	57.6	22.2	132.8	5	Ci.	Cu. ENE	5	Ci.	Cu. WSW
26..	NE	Calm	E	ESE	Calm	Calm	20.6	37.2	53.6	7.7	119.1	6	A.-Cu. NE	Cu.	4	Ci. S	Cu.-N. ENE
27..	Calm	Calm	S	SSE	Calm	Calm	16.4	36.4	38.3	11.9	103	5	Ci.	Cu. SW	7	Ci.	Cu.-N. SW
28..	Calm	Calm	Calm	SSE	Calm	Calm	19.6	23.5	32.5	5.1	80.7	8	Ci.-S. NNE	Cu.	7	Ci.-S.	Cu.-N. SSW
29..	Calm	Calm	NNE	ENE	ENE	E	3.5	39.1	72.9	63.6	179.1	5	Ci. N	Cu.	6	Ci. SSW	Cu. ENE
30..	E	E	N	ESE	E	NE	58.2	57.9	76.1	44.6	236.8	5	Ci.-S.	Cu. ENE	5	Ci. SSW	Cu. ENE
31..	Calm	Calm	NE	E	NE	N	14.8	34.3	71.4	54.5	175	9	Ci.-S. NE	Cu. E	9	Ci.-S. NE	Cu.-N. E
Mean	......	......	......	......	......	......	30.2	47	71.1	50.2	198.6	4.5	....	....	4.6	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	6,156.5	....	....	....	....	....	....

LEGASPI, ALBAY

[ϕ=13° 09′ N; λ=123° 45′ E; barometer above sea, 5.5 meters; gravity correction not applied, −1.77 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.93	59.11	60.07	58.12	58.22	58.82	58.88	27.5	26.4	31.2	33.1	29.6	28.4	29.4	34	26.4	84	91	68	63	78	82	77.7	4.8
2..	58.11	57.94	58.55	56.84	56.74	58.47	57.78	27.7	26.7	31.5	32.6	30	28	29.4	33.6	25.5	85	86	66	63	69	81	75	......
3..	57.33	57.37	58.01	56.37	56.67	58.12	57.31	27.8	24.5	31.5	33.5	30.5	27.8	29.3	34.1	24.4	77	92	60	56	70	84	73.2	......
4..	57.17	57.52	58	56.54	56.60	58.15	57.33	27.1	24.5	31.7	33.8	30.8	29	29.5	34.1	24.3	84	93	65	60	72	79	75.5	......
5..	57.78	58.39	59.07	57.56	57.81	59.27	58.31	26.7	24.9	32.1	33.5	30	29	29.4	34.4	24.8	90	93	68	62	75	78	77.7	......
6..	58.33	58.79	59.31	58.19	58.76	59.85	58.87	27	24.9	31.8	31.5	27.8	28	28.5	33.4	24.8	85	93	72	68	87	84	81.5	9.4
7..	59.07	59.27	59.35	57.73	58.02	59.72	58.86	25.7	25.6	30.8	32.9	29.9	27	28.6	33.5	25.4	94	94	68	66	75	89	81	3.6
8..	57.97	58.13	58.36	56.43	55.31	55	56.87	26.3	25.4	27.4	27.5	26.5	25.6	26.4	29.4	25.4	89	92	87	84	86	92	88.3	46.7
9..	51.46	49.27	53.93	54.11	54.74	56.13	53.27	26.6	25.3	25.1	25.6	26	25.6	25.7	27.8	23.6	86	95	89	92	90	92	90.7	42.2
10..	55.54	55.67	56.73	55.87	56.25	57.11	56.20	25.8	25.2	26.8	27	27.2	25.5	26.2	27.6	24.9	91	94	86	87	87	93	89.7	1
11..	56.74	56.63	57.02	55.78	56.08	57.71	56.66	25.8	25.9	29.6	29.2	27.3	25.2	27.2	30.8	25.2	93	93	70	74	86	95	85.2	2.1
12..	56.74	56.81	57.51	55.92	56.33	58.09	56.90	25.9	25.6	30	31.3	29.6	27.1	28.2	32.8	25.2	93	93	71	66	72	87	80.3	.3
13..	57.49	57.58	58.37	56.78	56.86	58.48	57.59	25.9	24.9	30.2	32.8	30	25.6	28.2	33.4	24.8	90	89	67	58	71	91	77.7	......
14..	57.79	57.81	58.22	56.63	56.87	58.61	57.66	24.9	24.4	30.8	33.2	29.8	26.7	28.3	33.6	24	92	93	65	55	71	91	77.8	......
15..	58.08	58.29	58.04	56.83	57.01	58.98	57.87	26.1	25.9	31.6	32.6	30.4	26.6	28.9	33.5	25.6	93	93	62	58	68	88	77	......
16..	58.24	58.27	59.02	57.54	57.91	59.05	58.34	25.9	25.6	31.3	33.6	29.8	26.9	28.8	34.1	25.5	91	92	63	55	68	85	75.7	......
17..	58.39	58.80	59.24	57.27	57.66	58.72	58.35	25.9	25.8	31.5	33.4	30.1	26.1	28.8	34.5	25.3	91	91	62	55	71	88	76.3	......
18..	57.83	57.91	58.09	56.72	56.90	57.97	57.57	25	24.3	31.1	28.5	28	26.9	27.3	33.4	24.1	92	93	66	80	79	85	82.5	1
19..	56.53	56.86	57.14	56.62	56.53	57.91	56.93	24.8	25.1	30.8	27.9	26.7	25.9	26.9	31.4	24.7	93	92	70	86	89	90	86.7	2.5
20..	57.08	57.50	57.93	56.99	57.27	58.56	57.56	25.1	24.5	26.5	27.5	27.7	25.6	26.2	29.6	24.1	91	92	90	84	84	90	88.5	2.3
21..	57.93	58.12	58.85	57.62	57.48	59.23	58.20	25	24.9	31.3	31.1	29.6	26.7	28.1	32.6	24.6	89	89	65	69	69	85	77.7	6.1
22..	58.89	59.24	58.82	57.42	58.07	59.02	58.58	25.8	25.7	30.9	32.6	29.9	26.9	28.6	33.6	25.6	90	89	64	59	71	86	76.5	......
23..	57.70	58.03	58.50	57.16	58.19	59.05	58.10	25.9	25.3	31.9	33.4	30	27.3	29	33.9	25.2	91	94	61	57	71	84	76.3	......
24..	58.07	57.99	58.03	56.66	57.18	58.18	57.68	26.8	26.5	32.3	33	30.5	27.8	29.5	34.2	26.2	86	88	60	58	68	83	73.8	......
25..	57.13	57.21	57.11	55.73	55.78	57.11	56.68	26	25.2	29.3	26.6	26.2	25	26.4	30.1	24.2	89	86	74	87	90	97	87.2	37.1
26..	55.95	55.87	57.06	55.69	55.78	56.97	56.22	24.6	25	24.8	25	25.8	25.1	25	26.3	24	96	96	96	96	91	88	93.8	92.5
27..	56.87	57.84	58.22	57.03	57.04	59.11	57.68	24.9	24.8	30.3	32.8	30.3	26.4	28.2	33.3	24.3	89	93	67	60	70	89	78	......
28..	58.95	59.24	59.51	58.14	58.27	60.13	59.04	25.2	23.8	30.5	32.4	29.6	28.2	28.3	33	23.7	91	97	70	68	78	83	81.2	.3
29..	59.42	59.81	59.50	57.54	57.66	58.44	58.73	25.7	25.4	29	33	29.4	26.4	28.2	33.4	24.4	86	87	77	64	73	86	78.8	3.3
30..	56.93	56.83	56.96	55.85	55.11	55.35	56.17	24.7	24.4	30.3	27.3	27	25.9	26.6	30.5	24	92	93	72	84	89	92	87	3.3
Mean	57.48	57.60	58.15	56.79	56.97	58.24	57.54	25.9	25.2	30.1	30.9	28.9	26.7	28	32.3	24.8	89.4	91.9	70.7	69.1	77.3	87.2	80.9	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	258.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	Calm	N	E	E	NNE	29.2	30.9	75.8	56	191.9	3	Ci.	Cu. E	4	Ci. N	Cu. E
2..	Calm	NNE	N	ESE	E	NE	42.3	53.3	80.5	43.1	219.2	2	Ci.	Cu. E	2	Ci. N	Cu. ENE
3..	Calm	Calm	NE	E	E	E	4.6	30.8	74.2	44.9	154.5	0	....	....	5	Ci. S	Cu. ENE
4..	Calm	Calm	E	E	NE	E	15.3	30.1	68.4	49.6	163.4	1	Ci.	Cu.	2	....	Cu. ENE
5..	Calm	Calm	E	NNE	NE	E	6.7	39.1	76.6	54.1	176.5	2	Ci.	Cu.	5	Ci. S	Cu. ENE
6..	Calm	Calm	E	ENE	E	NE	11.3	37.6	68.4	40.8	158.1	5	Ci. W	Cu.	7	Ci.-S.	Cu.-N. ENE
7..	Calm	Calm	NE	E	E	NNE	9.9	31.2	58.9	41.6	141.6	2	Ci.	Cu.	6	Ci.-S. W	Cu.-N. NE
8..	NE	Calm	Calm	NNE	Calm	WNW	28.4	20.9	34	48.5	131.8	10	Ci.-S.	N. ENE	10	Ci.-S.	Fr.-N. NNE
9..	N	E	SW	SSW	WSW	S	297.5	226.1	102.5	28.8	654.9	10	Ci.-S.	Fr.-N. E	10	Ci.-S.	Fr.-N. SW
10..	SW	WSW	SW	SW	WSW	Calm	52.9	70.2	71.6	22.3	217	10	Ci.-S.	Fr.-N. SW	10	Ci.-S.	Fr.-N. SW
11..	Calm	Calm	SW	SW	SW	WSW	27.7	60	82.4	39.1	209.2	7	A.-Cu.	Fr.-Cu. S	10	Ci.-S.	Cu.-N. S
12..	SW	SW	SW	SW	SW	SW	27.6	62.6	87.4	43.8	221.4	10	Ci.-S. N	Cu.	4	Ci.	Cu. S
13..	SW	SW	SW	SSW	SW	W	47.7	69	82.1	46.2	245	3	....	Fr.-Cu. SSW	5	Ci.	Cu. SSW
14..	Calm	Calm	WSW	WSW	SW	Calm	19.3	73.8	106	19.9	219	0	....	....	3	Ci.	Cu. SW
15..	SW	SW	WSW	SW	SW	SW	26	93.5	110	32.5	262	1	Ci.	Cu.	3	Ci.	Fr.-Cu. WSW
16..	SW	SW	SW	W	SW	SW	27.9	75.1	106.5	46.9	256.4	0	....	....	1	....	Cu. SSW
17..	Calm	Calm	W	WSW	W	W	18.7	56.9	77.4	31.4	184.4	3	A.-Cu. SW	Cu. SSW	6	Ci.	Cu. SSW
18..	Calm	Calm	SSW	WNW	SW	SW	13.5	49.3	77	46.5	186.3	1	Ci. NE	Cu.	8	Ci.-S.	Cu.-N. SW
19..	W	Calm	W	WNW	W	SW	34.1	49.3	51.5	43.1	178	10	A.-Cu. NE	Cu.	9	Ci.-S.	Cu.-N. W
20..	SW	SW	W	WNW	W	W	50.5	62.5	84.3	41.8	239.1	9	Ci.-S.	Cu. W	9	Ci.-S.	Cu.-N. W
21..	W	WSW	W	W	SW	SW	42.6	83.5	83.1	55.5	264.7	2	....	Cu.	4	A.-Cu. W	Cu. W
22..	SW	SW	W	WSW	SW	SW	51.7	73.4	77.9	49.3	252.3	1	Ci.	Cu.	4	Ci. E	Cu. W
23..	SW	SW	SW	NW	WSW	SW	39.6	49.3	113.2	52.8	254.9	1	A.-Cu.	Cu. SW	7	Ci.-S. ENE	Cu. W
24..	SW	SW	W	NW	W	Calm	45.6	76.4	94.8	28.8	245.6	6	Ci. ENE	Cu.	6	Ci. ENE	Cu. W
25..	W	SW	W	WNW	Calm	SW	55.8	90.9	73.2	40.2	260.1	8	Ci.-S. NE	Cu.	10	Ci.-S.	Cu.-N. W
26..	W	SW	SW	W	WSW	SW	48.8	43.8	83.5	49.1	225.2	10	Ci.-S.	N.	10	Ci.-S.	Fr.-N. WSW
27..	Calm	Calm	SW	WSW	SW	Calm	18.7	54.1	68.9	13.1	154.8	9	Ci.-S.	Cu. SW	8	A.-Cu. ENE	Cu. SW
28..	Calm	Calm	SW	E	E	Calm	10.5	26.2	66.3	30.9	133.9	0	....	....	1	....	Cu.
29..	E	E	E	NE	NE	Calm	23.8	50.1	76.6	25.7	176.2	10	Ci.-S.	N. NNE	1	Ci. E	Cu.
30..	Calm	Calm	NW	NW	WNW	W	18.8	83.6	53.9	24.3	130.1	3	Ci. E	Cu.	10	Ci.-S.	Cu.-N. NNE
Mean	......	......	......	......	......	......	38.2	60.1	78.9	39.7	216.9	4.6	....	....	6	....	....
Total	......	......	......	......	......	......	......	......	......	......	6,507.5	....	....	....	....	....	....

LEGASPI, ALBAY

[ϕ=13° 09′ N; λ=123° 45′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	54.68	54.36	53.91	53.44	52.85	54.11	53.89	25.2	24.3	26.4	24.8	26.3	24.1	25.2	27.4	23.9	95	94	83	88	94	93	91.2	52.5
2..	54.02	54.87	55.73	55.94	57.20	58.45	56.04	24.7	26.1	26.8	25.1	24.3	24	25.2	27.4	23.8	92	84	83	89	91	91	88.3	11.2
3..	58.42	59.49	60.18	59	59.55	61.63	59.71	23.8	24.6	29.8	32	29.5	24.3	27.3	32.3	23.5	92	92	68	62	75	89	79.7	.5
4..	60.60	60.82	60.33	59.39	59.91	60.92	60.33	23.6	23.1	29.7	30.6	29.5	24.3	26.8	31.9	23.1	92	95	71	72	76	93	83.2	4.5
5..	59.66	59.98	60.39	58.71	59.10	60.21	59.68	23.2	22.9	25.6	28	28.3	24.7	25.4	29.5	22.8	95	96	91	82	78	91	88.8	.5
6..	59.37	59.30	59.48	58.51	58.93	60.18	59.30	23.2	23	27.5	31.5	28.1	25.3	26.4	32	22.6	93	94	81	64	77	93	83.7	....
7..	59.69	60.23	61.06	59.48	60.22	61.24	60.32	24.3	23.9	30	29	25.8	24.7	26.3	30.8	23.3	96	96	77	79	92	95	89.2	3.1
8..	60.32	60.35	61.17	59.65	59.61	60.50	60.27	23.4	23.1	30.3	32	29.8	28	27.8	32.3	23	98	96	73	69	75	85	82.7	....
9..	59.28	59.67	60.12	58.45	58.05	59.52	59.18	26.2	24.9	31.3	32.3	29.6	26.4	28.4	32.9	24.5	94	93	69	65	77	92	81.7	....
10..	58.74	58.89	59.29	57.31	57.96	59.47	58.61	24.8	24.9	31.6	32.5	27.8	25.9	27.9	33.6	24.4	97	97	66	65	82	90	82.8	....
11..	58.82	58.78	59.46	57.86	58.36	60.18	58.91	24.8	23.8	30.7	31.8	28.8	26.6	27.8	34.1	23.6	89	94	67	64	80	92	81	....
12..	59.76	59.89	60.14	58.65	58.64	60.17	59.54	24.9	24.2	31.1	32.5	29.9	28	28.4	33.4	24	94	95	67	62	75	85	79.7	....
13..	59.08	59.07	59.74	58.41	58.37	59.38	59.01	27	24.5	31.3	33	30	26.8	28.8	33.9	24.4	84	92	64	58	69	88	75.8	....
14..	58.58	59.08	59.36	58.03	57.91	59.37	58.72	24.7	24.2	30.3	33.1	29.8	26.6	28.1	33.8	24	94	94	71	59	73	90	80.2	....
15..	58.53	58.66	58.02	57.37	57.03	58.59	58.03	25	24.6	30.9	28.4	27	25.7	26.9	34.3	24.1	94	95	71	72	84	93	84.8	28.9
16..	57.79	57.91	57.94	56.87	57.77	58.79	57.84	24.7	24.9	30.5	26.5	27.5	25.6	26.6	33.3	24.5	98	98	71	92	82	95	89.3	7.6
17..	58.38	58.44	58.68	57.39	58.10	58.99	58.33	24	23.7	30.6	31	28.1	25.9	27.2	33.8	23.3	97	97	67	68	80	91	83.3	....
18..	58.28	58.05	58.41	57.06	56.87	58.12	57.80	24.3	23.4	28.9	32.3	30.8	28.2	28	33.3	23.1	91	93	76	59	65	77	76.8	....
19..	57.18	57.08	58.12	55.83	56.35	57.32	56.98	25	24.1	28.6	25.6	26.8	25.8	26	29.2	23.5	96	95	79	88	82	87	87.8	27.9
20..	56.53	56.75	57.28	56.59	56.59	57	56.79	24.2	23.6	27.9	26.6	26.5	26.4	25.9	29	23.5	93	97	82	87	87	82	88	1.8
21..	56.13	56.19	56.78	55.28	55.88	57.64	56.32	24.9	24.1	30.5	31.3	29	25.5	27.6	32.2	23.9	90	96	70	69	78	88	81.8	30
22..	56.73	56.21	57.12	55.45	55.88	56.94	56.39	24.8	24.9	27.8	29.8	25.5	24.9	26.3	31.2	24.4	91	89	82	73	91	94	86.7	2
23..	56.13	56.04	56.56	55.22	55.44	56.86	56.04	24.4	24.5	29.3	26.8	26.3	25.1	26.1	30.1	24.1	94	92	78	88	90	95	89.5	15
24..	56.60	56.24	56.53	55.42	56.03	57.99	56.47	24.2	24.4	28.8	31.5	28.2	24.6	27	31.8	23.9	93	92	78	68	80	97	84.7	7.4
25..	56.80	57.24	57.30	55.99	56.01	57.45	56.80	24.4	24.6	30	32	29	26.8	27.8	32.8	24.1	97	96	73	64	78	89	82.8	....
26..	56.30	56.05	55.85	54.03	54.05	55.15	55.24	25.3	26.1	30	30.8	28.2	26.5	27.8	31.8	25.2	93	87	71	70	77	86	80.7	....
27..	53.80	52.90	53.20	52.67	52.98	54.13	53.28	26.3	26.6	27.8	29.5	27.6	25.2	27.2	29.9	25	86	83	81	73	84	94	83.5	8.9
28..	53.87	53.77	54.85	53.99	54.09	54.74	54.22	26.3	26.9	27.2	28.5	27.4	27	27.2	28.9	25.5	83	80	83	77	83	82	81.3	4.8
29..	53.68	53.48	53.70	53.04	52.94	54.57	53.57	27.1	27.2	27.6	27	28.3	25.7	27.2	29.8	24.7	83	83	84	86	81	94	85.2	51.3
30..	54.24	53.24	53.31	52.46	52.52	54.25	53.34	25.2	25.8	27.8	30.5	28.8	28	27.7	30.8	24.5	95	94	82	72	76	79	83	1.3
31..	53.90	54.06	54	53.15	53.77	55.29	54.03	27	26.8	30.8	30.1	29	28.4	28.7	31.8	26.4	85	86	69	71	76	75	77	....
Mean	57.29	57.33	57.68	56.47	56.74	58.04	57.26	24.9	24.6	29.3	29.9	28.1	26	27.1	31.6	24	92.4	92.4	75.1	72.7	80.3	89.2	83.7	....
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	259.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	W	Calm	WNW	WNW	WSW	W	14.3	59.5	90.1	50.7	214.6	10	Ci.-S.	N. WSW	10	Ci.-S.	Fr.-N. W
2..	SW	SW	SW	WSW	SW	SW	115.1	125.5	139.7	70.8	451.1	10	Ci.-S.	Fr.-N. wsw	10	Ci.-S.	Fr.-N. wsw
3..	SW	SW	SW	SW	Calm	W	39.9	65.8	73.4	52.9	232	7	Ci.	Fr.-Cu. ssw	7	Ci. ENE	Cu. SSW
4..	Calm	Calm	W	ENE	E	NNW	9.7	19.3	54.2	34.1	117.3	8	Ci.-S. NE	Cu.	7	A.-Cu. NE	Cu.-N. ssw
5..	Calm	NNW	Calm	NE	E	Calm	13.1	10.5	79.9	15.9	119.4	3	Ci. E	Cu.	9	Ci.-S. NE	Cu.-N. NE
6..	Calm	Calm	E	NNE	NE	Calm	7.4	15.9	49.7	13.4	86.4	10	Ci.-S.	N. NE	3	Ci.-S. NE	Cu.
7..	Calm	Calm	E	Calm	W	Calm	12.7	21.7	19	5.6	59	8	A.-Cu. sw	Cu.	8	Ci.-S. NE	Cu.-N. ENE
8..	Calm	Calm	W	ENE	NE	NE	9.4	25.5	61.8	46.1	142.8	4	Ci.-S.	Cu. SE	2	Ci.-S. SE	Cu. ENE
9..	Calm	Calm	NE	ENE	E	Calm	9.2	40.5	67.1	15.8	132.6	1	Ci.	Cu. ENE	2	Ci.	Cu.
10..	Calm	Calm	E	ENE	Calm	Calm	4.5	29.5	55.7	8.2	97.9	1	Ci.	Cu. ENE	2	Ci.	Cu. ENE
11..	Calm	S	Calm	ENE	W	Calm	11.8	32	46.1	14.3	104.2	1	Ci.	Cu.	7	Ci.-S.	Cu.-N. ENE
12..	Calm	Calm	W	E	E	E	8.2	31.6	58.5	26.6	124.9	1	Ci.	Cu.	2	....	Cu. ESE
13..	NE	Calm	NE	E	E	Calm	9.9	47.3	74.8	25.7	157.7	1	....	Cu. E	2	Ci. SE	Cu. E
14..	Calm	ENE	E	E	NE	Calm	16.7	22	52.5	22	113.2	1	....	Cu.	3	Ci.-S. SSE	Cu.-N. ENE
15..	Calm	N	SW	NNE	Calm	Calm	15.5	39.2	44.9	9.9	109.5	1	Ci.	Cu.	10	....	N. NE
16..	Calm	Calm	Calm	W	Calm	Calm	18.5	22.5	37.8	14.5	93.3	1	....	Cu.	8	Ci.-S.	N. WNW
17..	Calm	Calm	SW	SSW	W	Calm	14.7	32.8	51.5	14	113	5	Ci.-S. ESE	Cu.	7	Ci. ESE	Cu.-N. ENE
18..	Calm	Calm	W	NNE	E	·NE	10.7	22.3	49.9	35.1	118	6	Ci.-S. E	Cu.	7	Ci.-S. E	Cu. ENE
19..	Calm	Calm	NNE	NE	ENE	Calm	13.2	47.3	56.1	30.3	146.9	7	Ci.-S. E	Cu.	10	Ci.-S.	N. ENE
20..	NE	Calm	E	ENE	NNE	NE	22	21.5	60.7	38.3	142.5	6	A.-Cu. SE	Cu.	10	Ci.-S.	N. NE
21..	Calm	Calm	NE	ENE	NE	SE	5	49.6	57.4	24.1	136.1	8	Ci.-S.	Cu. ENE	7	Ci.-S. E	Cu. ENE
22..	Calm	NE	Calm	NE	NW	Calm	25.7	20.9	40.4	11.9	98.9	10	Ci.-S.	N. E	9	Ci.-S. E	Cu.-N. ENE
23..	Calm	Calm	W	W	W	Calm	30	45.9	64.4	33.5	173.8	8	Ci.-S. E	Cu. NE	10	Ci.-S.	N. WSW
24..	SW	Calm	SW	SW	SW	W	38.3	37.6	67.4	33.2	176.5	10	Ci.-S.	N. SW	7	A.-Cu. SW	Cu. SW
25..	W	Calm	W	WSW	SW	Calm	24.3	41.5	78.6	29.3	173.7	10	Ci.-S.	Fr.-Cu. sw	8	Ci.-S. ESE	Cu. SW
26..	W	SW	WNW	WNW	W	W	42.1	114.5	133.1	73.4	363.1	8	Ci.-S.	Cu.-N. wsw	10	Ci.-S.	Cu. WSW
27..	SW	WSW	WSW	WSW	SW	W	73.2	123.4	130	74.3	400.9	10	Ci.-S.	Fr.-Cu. wsw	10	Ci.-S.	Fr.-N. wsw
28..	SW	WSW	WSW	WSW	SW	SW	93	102	123.3	64.9	383.2	10	Ci.-S.	N. WSW	10	Ci.-S.	Fr.-N. wsw
29..	SW	SW	SW	WNW	W	W	103	103.6	93.5	75.3	375.4	8	Ci.-S.	Cu.-N. wsw	10	Ci.-S.	Fr.-N. wsw
30..	W	WSW	SW	WSW	W	SW	91.1	106.2	155.9	79.1	432.3	10	Ci.-S.	Fr.-N. wsw	6	Ci.-S.	Cu.-N. wsw
31..	SW	SW	SW	WSW	SW	SW	37	106.2	148.1	111	402.3	8	Ci.-S.	Cu. WSW	7	Ci.-S.	Cu. WSW
Mean	......	......	......	......	......	......	30.8	51.1	74.7	37.2	193.3	6.2	....	....	7.1	....	....
Total	......	......	......	......	......	......	......	......	......	......	5,992.5	....	....	....	....	....	....

LEGASPI, ALBAY

[ϕ=13° 09′ N; λ=123° 45′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	54.63	54.59	55.06	53.70	54.51	56.01	54.75	27.1	27	30.2	31.6	29	26.8	28.6	32.4	26.4	83	84	73	67	73	86	77.7	0.5
2..	55.53	55.25	56.03	54.58	55.14	56.24	55.46	26.2	26.1	27.2	28.6	26.8	26.6	26.9	28.9	25.6	90	89	89	83	90	90	88.5	30.8
3..	55.35	55.66	56.10	54.01	54.93	55.72	55.30	26.1	25.3	26.8	28.9	27.2	26.8	26.8	29.4	24.6	92	98	87	75	86	84	87	21.1
4..	55.64	55.34	55.59	54	54.79	56.05	55.24	25.4	24.6	27.1	29.8	27	25.8	26.6	30.3	24.4	88	92	90	75	84	90	86.5	4.5
5..	55.03	55.24	56.23	55.08	55.12	55.84	55.42	26	25.2	27.8	29.3	27.8	27.9	27.3	30.8	25	89	91	81	80	84	82	84.5	8.4
6..	54.93	55.08	56	54.18	54.23	54.60	54.84	26.6	26.9	26	28.3	28	26.5	27	28.9	24.3	88	86	92	83	82	85	86	70.1
7..	53.64	53.76	53.15	52.13	52.35	54.47	53.25	26.1	24.4	29.3	28	28.3	26.4	27.1	30.6	24.1	85	92	79	85	77	89	84.5	20.6
8..	53.19	52.23	53.31	52.16	52.64	54.35	52.98	26.9	27.1	27.4	29.5	27.8	26.9	27.6	30.2	25.7	86	85	87	78	79	85	83.3	9.8
9..	53.39	53.34	53.91	53.45	54.16	54.68	53.82	26.7	26.3	28.1	27.4	26.7	25.7	26.8	28.8	25.6	86	88	90	87	90	91	88.7	10.5
10..	53.50	53.87	54.03	53.32	53.47	54.79	53.83	26.8	26.7	28.5	29.5	27.4	27.5	27.7	30.4	26	84	84	78	73	74	73	77.7	....
11..	53.66	53.57	53.96	52.94	52.99	54.71	53.63	26.8	27.4	29.3	27.5	27.2	26	27.4	29.8	25.3	83	82	72	82	84	89	82	3.8
12..	53.02	52.85	54.12	52.55	53.83	55.09	53.58	26.6	27.4	28.8	31	28.8	26.3	28.2	31.4	25.6	85	80	74	63	73	90	77.5	6.7
13..	54.57	54.78	55.71	55.02	55.39	56.65	55.35	27.5	26.4	29.8	30.8	27	26.1	27.9	31.8	24.5	83	86	73	69	80	89	80	....
14..	56.55	56.76	57.43	55.97	56.42	57.74	56.81	25.9	25.8	28.8	29.6	28	26.4	27.4	31.3	25.1	88	88	76	72	79	86	81.5	....
15..	56.86	56.61	57.32	56.46	57.47	58.70	57.24	26.2	25.9	29.7	31.3	27	25.6	27.6	31.8	24.9	85	87	69	63	84	86	79	1.5
16..	57.74	58.06	58.90	57.59	58.47	59.16	58.32	25	25.1	29.7	31.2	27.8	26.5	27.6	32.1	24.6	90	94	72	66	77	84	80.5	....
17..	58.19	57.93	58.53	57.28	57.67	58.44	58.01	26	25.3	30.4	32	29.7	26.9	28.4	32.8	25.1	86	91	68	61	71	86	77.2	....
18..	57.69	57.63	57.70	55.83	56.57	58.13	57.26	26.6	26.5	30.3	31.4	29	26.5	28.4	33.3	25.9	84	77	68	66	80	88	77.2	....
19..	56.51	56	56.56	54.65	54.20	53.87	55.30	25.8	25.9	28.1	26.5	25.3	25	26.1	29.4	24.5	85	85	79	88	95	90	87	57.9
20..	51.79	51.93	53.79	53.57	55.34	57.81	54.04	24.6	26.1	26.7	27.9	27.1	24.5	26.2	28.5	24.3	91	87	81	79	81	96	85.8	18.5
21..	57.84	58.16	58.57	57.44	57.67	59.32	58.17	25.2	25	28.6	30.2	28.6	26	27.3	31.5	24.8	95	96	75	69	77	93	84.2	....
22..	58.93	58.85	59.01	57.22	57.10	58.93	58.34	24.2	23.5	30.8	31.5	29	26.6	27.6	33.6	23.1	97	94	68	66	74	86	80.8	....
23..	57.24	56.65	57.51	55.63	55.75	57.24	56.67	26.1	25.9	29.9	31.9	28.3	26.1	28	32.6	25.3	86	86	71	62	79	91	79.2	29.2
24..	56.30	55.46	56.32	54.58	54.92	56.23	55.64	25.3	25.5	29.1	29.5	28.1	27.4	27.5	30.8	24.9	93	93	76	71	77	81	81.8	....
25..	55.44	55.22	56.23	55.10	55.60	57.47	55.84	27	27.1	29.6	31	28.3	26.5	28.2	31.8	26.4	80	78	75	69	79	89	78.3	....
26..	56.95	56.76	58.53	57.80	57.99	59.54	57.93	26.1	24.9	29.3	30.5	25.5	25.5	27	31.3	24.7	86	89	76	72	87	86	82.7	....
27..	59.11	59.25	59.27	57.31	58.38	58.95	58.71	24.6	24.4	29	31	28	25.9	27.2	31.8	24.1	92	92	71	67	79	88	81.5	....
28..	57.45	57.19	57.60	56.23	56.30	56.73	56.92	24.2	23.5	30.3	26.8	25.5	25.1	25.9	32.4	23.3	96	97	68	83	88	88	86.7	14
29..	55.63	55.49	55.81	53.98	54.64	55	55.09	25	24.5	25.4	25.4	25.2	24.9	25.1	26.3	24.3	88	91	93	93	94	88	91.2	46.2
30..	54.23	54.12	55.16	54.40	54.85	55.56	54.72	24.5	24.9	25.8	26.3	26.1	26.6	25.7	27.2	24.4	90	89	88	86	82	80	85.8	4.1
31..	54.95	55.14	56.51	54.60	55.73	56.63	55.59	26.1	24.9	26.7	29.5	27.1	25.6	26.6	30	24.5	81	89	83	69	83	88	82.2	....
Mean	55.66	55.57	56.26	54.93	55.44	56.60	55.74	25.9	25.7	28.5	29.5	27.5	26.2	27.2	30.7	24.9	87.6	88.4	78.1	74.3	81.4	87	82.8	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	358.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SW	SW	WSW	WSW	SW	W	99.3	138.1	176.7	77.7	491.8	1	Ci.	Cu. WSW	3	Ci.	Cu. WSW
2..	W	W	SW	SW	W	W	32.5	58.7	81.3	42	214.5	8	Ci.-S.	Cu.-N. WSW	10	Ci.-S.	Cu.-N. WSW
3..	W	SW	SW	WSW	W	SW	38.6	83.7	126.3	77.7	326.3	10	Ci.-S.	N. WSW	10	Ci.-S.	Fr.-N. WSW
4..	SW	SW	WSW	WSW	WSW	SW	59.3	65.2	94.4	75	293.9	10	Ci.-S.	N. WSW	9	Ci.-S.	Fr.-N. WSW
5..	W	W	W	WSW	SW	SW	71.1	85.8	102.4	66.8	326.1	10	Ci.-S.	Fr.-N. WSW	9	Ci.-S.	Cu.-N. WSW
6..	SW	SW	SW	SW	SW	W	100.1	117	125.7	98.5	441.3	10	Ci.-S.	Fr.-N. WSW	10	Ci.-S.	Cu.-N. WSW
7..	SW	W	WSW	WSW	WSW	SW	101.9	111.8	147.6	133.9	495.2	10	Ci.-S.	Fr.-N. WSW	8	Ci.-S.	Cu.-N. WSW
8..	SW	SW	WSW	WSW	SW	SW	96.1	123.6	146.6	86.3	452.6	9	Ci.-S.	Fr.-N. WSW	10	Ci.-S.	Cu.-N. WSW
9..	SW	SW	SW	WSW	SW	SW	92.3	107.8	115.7	102.2	418	10	Ci.-S.	Fr.-N. WSW	10	Ci.-S.	Fr.-N. WSW
10..	SW	SW	WSW	WSW	WSW	WSW	115.3	149.9	153.9	118	537.1	10	Ci.-S.	Fr.-N. WSW	10	Ci.-S.	Fr.-N. WSW
11..	WSW	WSW	WSW	WSW	WSW	WSW	113.7	134.6	137	97.9	483.2	10	Ci.-S.	Fr.-N. WSW	10	Ci.-S.	N. WSW
12..	SW	SW	WSW	SW	SW	WSW	102.4	175.1	184.2	93.5	555.2	10	Ci.-S.	Fr.-N. WSW	8	Ci.-S. NE	Cu.-N. WSW
13..	SW	WSW	WSW	WSW	SW	WSW	82.1	98	153.4	135.5	469	10	Ci.-S.	Fr.-N. WSW	9	Ci.-S. NE	Cu.-N. WSW
14..	SW	SW	SW	SW	SW	SW	89.6	114.1	131.7	66.3	401.7	8	Ci.-S.	Fr.-Cu. SW	8	Ci.-S. NE	Cu. WSW
15..	SW	WSW	SW	WSW	W	SW	74	126.8	131.4	64.1	396.3	5	Ci. NE	Cu. WSW	5	Ci. NE	Cu. WSW
16..	SW	Calm	SW	SW	W	WSW	40.8	98.4	120.5	56.9	316.6	9	A.-Cu. SW	Cu. WSW	7	Ci.-S. NE	Cu. WSW
17..	W	SW	SW	WNW	W	SW	66.5	101.7	122	83.1	373.3	2	A.-Cu. W	Cu.	3	Ci.	Cu. WNW
18..	SW	WSW	WNW	WNW	Calm	W	97.4	123.3	95.6	54.9	371.2	2	Ci. NE	Cu.	8	Ci.-S.	Cu. NW
19..	NW	W	WNW	WNW	WNW	WNW	92.7	129.3	107	116.4	445.4	9	Ci.-S. ENE	Cu. NW	10	Ci.-S.	N. NNW
20..	WSW	WSW	WSW	WSW	WSW	Calm	168.3	195.7	168.4	76.6	609	10	Ci.-S.	Fr.-N. WSW	10	Ci.-S.	Fr.-N. WSW
21..	SW	SW	SW	SW	SW	Calm	45.7	52.5	78.3	14	190.5	7	A.-Cu. WSW	Cu. SW	7	A.-Cu. WSW	Cu. SW
22..	Calm	Calm	WSW	W	WNW	W	5.3	34.6	85.1	56.5	181.5	1	Ci.	Cu.	5	A.-Cu. WSW	Cu. SW
23..	W	W	WNW	WNW	W	WSW	84.7	123.6	133.8	57.6	399.7	7	Ci.-S. SE	Cu.	4	Ci.	Cu. WNW
24..	SW	SW	W	WSW	SW	SW	63.1	89.1	140.3	78.6	371.1	9	Ci.-S.	N. WSW	10	Ci.-S.	Cu.-N. WSW
25..	SW	SW	SW	SW	SW	W	70	127.1	120.7	49.3	367.1	10	Ci.-S.	Cu.-N. WSW	9	Ci.-S. ENE	Cu. WSW
26..	SW	SW	SW	WSW	SW	SW	55.7	60	95	51.7	262.4	10	Ci.-S. ENE	Fr.-Cu. WSW	10	Ci.-S.	Cu. WSW
27..	SW	Calm	SW	SW	W	W	34	58.9	81.3	47.2	221.4	9	Ci.-S.	Cu.-N. WSW	8	Ci.-S. NE	Cu. WSW
28..	Calm	Calm	NW	NE	NW	NW	13.4	72.6	50.5	95.8	232.3	5	Ci. NE	Cu.	9	Ci.-S.	Cu.-N. N
29..	W	W	WNW	W	SW	SW	94.3	57.4	127.3	97.9	376.9	10	Ci.-S.	Fr.-N. WNW	10	Ci.-S.	Fr.-N. WNW
30..	W	SW	WSW	WSW	WSW	SW	147.6	135.2	125	133.4	541.2	10	Ci.-S.	N.	10	Ci.-S.	Fr.-N. WSW
31..	SW	WSW	SW	SW	SW	SW	119.3	122.8	129.2	80.5	451.8	10	Ci.-S.	Fr.-N. WSW	7	Ci.-S.	Fr.-Cu. WSW
Mean	......	......	......	......	......	......	79.6	105.6	122.2	80.2	387.5	8.1	....	....	8.3	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	12,013.6	....	....	....	....	....	....

LEGASPI, ALBAY

[$\phi = 13°$ 09′ N; $\lambda = 123°$ 45′ E; barometer above sea, 5.5 meters; gravity correction not applied, −1.77 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	56.15	56.39	56.92	55.34	55.84	58.44	56.51	24.6	24.9	30	30.6	27.8	25.5	27.2	31.8	24.4	86	84	68	67	79	85	78.2	....
2..	58.05	57.89	58.85	57.64	58.47	60.47	58.56	25.3	24.1	30.3	32	29.3	25.7	27.8	33.1	23.9	85	94	68	60	72	88	77.8	....
3..	59.61	59.31	60.12	58.55	59.51	60.81	59.65	24.1	23.2	29.5	32.5	29	26.4	27.4	33.4	22.9	90	95	72	62	81	92	82	....
4..	59.94	59.77	60.24	58.40	58.78	60.45	59.60	24.4	23.6	30.2	32.3	28.8	27.7	27.8	32.8	23	92	97	72	64	78	83	81	....
5..	59.10	58.84	59.21	57.19	57.90	59.35	58.60	25.1	26.6	30.8	31.8	28.7	26.5	28.2	32.8	24.5	91	91	67	64	75	88	79.3	0.3
6..	58.18	58.03	58.85	56.78	56.67	57.84	57.72	26.3	24.6	30.5	32	28.8	26	28	33.1	24.1	83	87	65	61	76	85	76.2	....
7..	56.84	57	57.77	56.26	56.29	57.98	57.02	23.5	22.6	28.3	28.7	27	25	25.8	29.9	22.5	90	94	73	73	80	94	84	....
8..	57.14	56.94	57.79	56.32	56.68	58.04	57.15	23.8	23.1	29.5	30.2	27	25.1	26.4	31.8	22.6	92	96	75	73	84	92	85.3	49.5
9..	57.93	57.90	58.48	56.30	56.83	58.19	57.60	23.3	24.6	26.8	31	25.6	24.6	26	31.8	23	98	88	90	67	93	92	88	28.2
10..	57.23	57.05	57.70	56.01	56.52	56.68	56.86	24.3	23.7	26.3	25.8	23.7	23.6	24.6	26.8	22.8	94	97	88	96	95	88	93	27.5
11..	56.02	55.91	56.42	55.21	53.71	54.81	55.35	23	23.6	25.3	26.1	25	23.9	24.5	26.8	22.7	92	95	91	87	88	94	91.2	8.4
12..	54.18	53.96	54.02	53.19	53.14	54.27	53.79	23.8	24.4	25	24.8	24.5	25.2	24.6	25.7	23.6	93	93	94	92	92	95	93.2	33.8
13..	53.83	54.35	55.05	54.06	55.47	56.45	54.87	24.8	25.1	27.6	29.2	26.5	25.5	26.4	30.2	24.3	92	95	81	73	87	92	86.7	.5
14..	56.70	56.90	57.33	55.63	56.26	57.64	56.74	24.5	24.1	28.5	29.2	27.8	25.3	26.6	31.6	24	94	96	76	75	81	93	85.8	3.8
15..	57.16	57.35	58.02	56.20	56.87	58.41	57.34	24.6	24.3	28.1	29.8	26.1	25.5	26.4	31.3	23.6	96	96	79	75	90	93	88.2	4.4
16..	57.91	58.38	58.72	56.96	58.63	59.57	58.36	25.3	24.8	28.7	28.4	25.3	24.5	26.2	31.1	24.1	93	95	78	85	96	96	90.5	52.3
17..	58.96	59.92	60.79	58.84	59.19	60.64	59.72	24.2	24	24.8	26.9	26.3	25.9	25.4	27.7	23.7	95	96	92	81	85	87	89.3	26.1
18..	59.69	60.54	60.83	59.23	59.68	60.81	60.13	25	23.7	27	29.8	26.4	26.5	26.4	30.4	23.3	89	96	84	78	83	84	85.7	1.5
19..	59.91	60.24	60.57	58.79	58.69	60.43	59.77	25.9	25.7	29.5	30.8	26.1	25.7	27.3	31.8	24.9	84	83	73	68	86	88	80.3	.8
20..	59.13	59.21	60.01	58.35	58.53	60.24	59.24	25.6	25.5	28.5	27.9	27.1	24.7	26.6	30.4	24.6	85	84	76	82	83	94	84	16
21..	59.59	59.87	60.51	57.92	58.56	60.59	59.51	24.4	24.3	28	30.5	27.9	26.1	26.9	31.5	23.9	94	94	77	72	81	91	84.8	3
22..	59.87	59.76	61.02	58.85	58.88	60.41	59.80	25.7	25.9	30.3	31	28.1	27	28	31.8	25.5	86	86	65	64	75	77	75.5	....
23..	59.54	59.57	60.46	58.67	59.13	60.36	59.62	26.1	25.6	30.4	30.8	28	26.6	27.9	31.7	25.4	80	82	63	65	77	81	74.7	....
24..	59.43	59.11	60.22	58.70	59.25	60.13	59.47	26.1	25.8	30	31.5	28.5	26.4	28	32.6	25.6	82	82	67	62	78	91	77	....
25..	59.51	59.29	60.05	58.92	59.07	60.35	59.53	26.5	26.6	27.5	31.5	28.8	27.6	28.1	32.3	26.1	86	86	87	70	79	84	82	....
26..	59.74	60.08	60.80	59.01	58.55	60.30	59.75	27.1	26.7	30.7	32	28.4	27.5	28.7	33.4	26.3	85	86	69	67	76	80	77.2	....
27..	59.21	59.19	59.59	58.60	58.66	59.97	59.20	26.5	26.2	30.8	31.5	28	26.6	28.3	32.8	25.7	85	85	64	65	77	86	77	9.9
28..	59.32	59.28	59.92	57.21	58.60	59.70	59	25.7	25.3	29.6	30.2	28	27	27.6	31.4	24.1	89	91	73	70	80	85	81.3	....
29..	59.33	59.24	59.82	57.78	58.70	59.85	59.12	26.2	25.6	31	31.7	28.8	27.1	28.4	32.7	25.4	88	88	69	68	76	83	78.7	....
30..	59.11	59.41	60.02	57.58	57.88	59.07	58.84	26.1	23.7	31.1	31.6	28.5	26.5	27.9	33	23.5	83	91	62	62	68	76	73.7	....
Mean	58.28	58.36	59	57.28	57.70	59.08	58.28	25.1	24.7	28.8	30.1	27.3	25.9	27	31.2	24.1	89.1	90.8	75.3	71.6	81.7	87.9	82.7	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	266

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SW	SW	SW	WSW	SW	SW	73.8	96.6	144	54.4	368.8	3	A.-Cu. SW	Cu.	6	A.-Cu. SW	Cu. WSW
2..	SW	SW	SW	SW	SW	Calm	40.2	73.2	82.9	19.6	215.9	6	Ci. NE	Cu. WSW	3	Ci. NE	Cu. WSW
3..	Calm	Calm	SW	E	NE	Calm	6.4	25.4	38.1	8	77.9	5	Ci. ENE	Cu.	6	Ci.	Cu. SSW
4..	Calm	Calm	NE	SSE	NE	NE	12.1	25.2	64.7	55	157	7	Ci.	Cu. NW	1	....	Cu. NW
5..	Calm	NE	NE	NE	NE	NE	20.7	71.6	102.7	58.9	253.9	2	A.-Cu. E	Cu. NNE	1	Ci.	Cu. NNE
6..	NE	Calm	NE	ENE	NE	NE	37.8	66.3	102.7	51.5	258.3	3	Ci. SE	Cu. NE	4	Ci. ESE	Cu. NE
7..	Calm	Calm	Calm	Calm	Calm	Calm	14.2	19.9	.....	.....	....	8	Ci.-S. E	Cu.	10	Ci.-S.	Cu. NE
8..	Calm	Calm	Calm	ESE	SW	Calm	.....	.....	[a]25.5	27.9	....	4	A.-Cu. E	Cu.	9	Ci.-S.	Cu. NE
9..	Calm	W	W	W	W	W	20.1	36.5	55	37	148.6	10	Ci.-S.	N. SW	5	Ci.-S.	Cu. SW
10..	Calm	W	W	WNW	WNW	NW	15.3	35.2	37.8	57.3	145.6	10	Ci.-S. E	N.	10	Ci.-S.	N. NW
11..	W	WNW	Calm	SW	W	W	45.9	11.9	36.7	34	128.5	10	Ci.-S.	N.	10	Ci.-S.	Fr.-N. NNW
12..	W	W	WSW	WSW	SW	SW	43.1	86.9	94.8	88	312.8	10	Ci.-S.	N. NW	10	Ci.-S.	N. NW
13..	W	WSW	W	W	W	W	59.2	81	104.3	39.4	283.9	10	Ci.-S.	N. W	10	Ci.-S.	Cu.-N. WSW
14..	SW	SW	W	SW	SW	Calm	38.9	62	86.1	24.6	211.6	8	Ci.-S.	Fr.-Cu. WSW	8	Ci.-S.	Cu. WSW
15..	Calm	WSW	SW	WSW	SW	Calm	15.3	48.3	60.9	21.2	145.7	8	Ci.-S.	Cu.-N. WSW	6	Ci. S	Cu. SSW
16..	Calm	Calm	SW	NE	NE	Calm	3.8	16.4	32.7	15.6	68.5	10	Ci.-S.	N. SSW	8	Ci.-S.	Cu.-N. SSW
17..	Calm	Calm	ENE	NE	NE	NE	17.4	28	29.6	58.4	133.4	10	Ci.-S.	N.	10	Ci.-S.	Fr.-N. NE
18..	N	Calm	NE	NE	NNE	NE	23.6	42.6	59.8	54.1	180.1	9	Ci.-S.	Fr.-N. E	6	A.-Cu.	Cu. ENE
19..	N	NE	NE	ESE	NE	NNE	54.7	67.6	71	52.9	246.2	1	Ci.	Cu.	2	A.-Cu. ENE	Cu.
20..	NE	NE	E	E	NE	NE	57.6	52.3	64.1	52	226	0	....	....	9	Ci.-S.	N. NE
21..	Calm	NE	NE	E	NE	NE	13.4	49.1	59	68.4	189.9	10	Ci.-S.	Fr.-N. ENE	5	Ci.	Cu. ENE
22..	NE	NE	ENE	ESE	E	NE	69	76.6	73.2	78.9	297.7	4	Ci.	Cu. ENE	5	Ci. E	Cu. ENE
23..	NE	NE	E	ESE	NE	NE	83.4	73.5	79.7	82.1	318.7	1	Ci.	Cu.	1	....	Cu. ENE
24..	NE	NE	NE	ESE	NE	NE	70.8	76.2	64.7	65.8	277.5	3	Ci.	Cu. NE	3	Ci. E	Cu. ENE
25..	NE	NE	NE	E	NE	NE	70.8	76.6	79.9	75.8	303.1	1	Ci.	Cu. ENE	2	Ci. NE	Cu. ENE
26..	NE	NE	E	ESE	E	NE	55	62	75.4	57.1	249.5	3	Ci.	Cu. ENE	1	....	Cu. NE
27..	NE	NE	NE	NE	NE	NNE	51.3	72.7	79.4	36.4	239.8	3	Ci.	Cu. ENE	7	A.-Cu. ENE	Cu. ENE
28..	Calm	NE	NNE	E	ENE	NE	17.2	50.4	65	47	179.6	8	Ci.-S.	Cu.-N. ENE	5	Ci.	Cu. ENE
29..	NE	NE	NE	ESE	E	NE	34.4	54.1	69.7	56.5	214.7	1	Ci.	Cu.	1	....	Cu. NE
30..	NE	Calm	NNE	NE	NE	NE	51.8	41.8	87.7	63.6	244.9	0	....	....	1	....	Cu. ENE
Mean	......	......	......	......	......	......	38.5	54.5	69.9	49.7	217.1	5.6	....	....	5.5	....	....

[a] 3 hours missing.

LEGASPI, ALBAY

[ϕ=13° 09′ N; λ=123° 45′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.60	58.52	59.07	57.10	57.37	59.02	58.28	23.2	22	28.8	31.3	26.8	26.6	26.4	32.3	21.8	92	92	78	69	88	86	84.2	1.8
2..	57.63	57.39	58.20	55.98	56.16	57.79	57.19	24	22.7	30	30.8	28.6	25.3	26.9	32.3	22.5	90	96	70	69	78	93	82.7	......
3..	57.60	57.69	57.95	55.98	56.97	58.15	57.39	23.8	22.8	30.3	31.8	25.8	25.5	26.7	33.2	22.4	91	94	66	66	96	96	84.8	13.2
4..	57.36	58.16	58.36	56.19	57.03	58.78	57.65	25.3	24.4	29.3	31.8	28	26.1	27.5	32.5	23.9	96	92	79	69	85	92	85.5	......
5..	57.57	57.93	58.75	56.33	57.36	58.64	57.76	25.2	24.6	30.6	31.6	27.1	25.2	27.4	32	24.4	90	92	69	65	87	94	82.8	.5
6..	57.85	58.05	58.86	56.45	57.27	58.97	57.91	24	23.4	30.7	32.9	28.8	25.6	27.6	33.3	23.1	93	94	70	61	78	93	81.5	16.5
7..	57.78	58.69	59.12	57.40	57.74	58.93	58.28	24.8	24.4	30	29	26.8	24.6	26.6	30.8	23.9	95	96	75	78	84	95	87.2	1.5
8..	57.88	57.84	58.14	55.99	56.39	57.59	57.30	24.2	24.1	28.5	26.8	25.5	24.3	25.6	30.1	23.9	96	96	79	90	94	97	92	21.4
9..	57.10	56.99	57.72	56.12	56.32	57.91	57.03	24.2	24.5	29.3	28.5	26	25.1	26.3	29.9	23.5	97	97	76	80	92	97	89.8	15.4
10..	57.28	57.40	58.62	56.78	57.61	58.84	57.76	24.2	23.9	29.1	29.9	27.6	25.8	26.8	31	23.7	97	97	74	71	81	93	85.5	2
11..	58.68	59.02	59.88	58.01	58.48	60.30	59.06	24.4	24.2	30.7	31	28.5	27	27.6	32.4	23.9	96	95	72	72	85	89	84.8	......
12..	59.82	60.42	61.25	59.06	59.06	60.74	60.06	25.4	23.9	30.5	31.9	28.7	25.9	27.7	32.6	23.6	90	95	72	67	78	89	81.8	......
13..	60.14	59.84	60.50	58.24	58.82	59.23	59.46	24	23.1	30.8	31.8	28	26.4	27.4	32.8	22.8	94	96	68	65	83	86	82	20.8
14..	57.70	57.30	57.15	55.15	55.24	56.88	56.57	26	26.1	27	25.8	27.3	26.5	26.4	28.4	24.9	86	86	88	94	87	92	88.8	44.7
15..	55.87	56.70	57.59	55.80	56.02	58	56.66	26.6	26.3	28.5	29.3	28	25.6	27.4	29.8	24.9	88	87	80	78	81	95	84.8	......
16..	57.78	58.09	58.43	56.73	57.10	59.03	57.86	24.7	24.3	30.4	31.3	28.3	25.5	27.4	32.3	23.6	96	94	71	69	85	93	84.7	......
17..	58.28	58.22	59.21	56.90	57.36	58.82	58.13	24.9	25	30.8	32.5	28.3	25.8	27.9	33	23.9	94	93	69	60	76	90	80.3	......
18..	57.72	57.71	58.55	56.25	57.15	58.31	57.62	25.7	25.6	30.5	28.8	26	24.6	26.9	32.3	24.3	90	89	73	78	90	96	86	3.8
19..	57.76	58.09	58.41	55.96	56.95	58.45	57.60	24.4	24	29.6	30.5	25.6	25.5	26.6	31.2	23.7	94	96	73	74	96	96	88.2	52.6
20..	57.70	57.95	59.61	57.55	58.44	59.81	58.51	24.8	24.4	26.5	29.8	27.7	27	26.7	30.8	24.1	95	94	88	71	81	83	85.3	1.8
21..	58.84	59.46	60.72	58.87	59.25	60.72	59.64	26.2	25.8	27.5	29.5	27.5	26.9	27.2	30.8	25.3	88	89	78	68	79	83	80.8	......
22..	59.91	60.08	60.43	58.65	58.84	60.37	59.71	26	25.7	30.3	31	27.8	27	28	32.1	25.4	89	89	66	69	79	83	79.2	......
23..	59.64	59.82	60.88	58.87	58.94	60.42	59.76	26.7	23.7	30	29.7	27.5	26.6	27.4	32.1	23.4	77	91	70	74	83	87	80.3	.8
24..	59.22	59.36	60.07	58.43	59.10	60.33	59.42	26.9	25	29.6	29.3	26.9	25	27.1	31.6	24.1	86	96	77	75	86	96	86	47.2
25..	59.25	59.57	60.75	58.19	59.22	60.62	59.60	24.9	24	29.3	29.9	26.1	25.6	26.6	31.6	23.5	93	96	76	73	91	91	86.7	4.6
26..	60.04	60.33	61.46	58.98	59.52	60.21	60.09	25.3	24.1	25.6	28.1	26.1	26.1	25.9	30.1	23.5	91	96	92	77	91	91	89.7	26.7
27..	59.62	60.67	61.51	59.60	59.67	60.78	60.31	26	24.5	27.8	28.6	27.1	26.5	26.8	30.1	23.5	90	92	82	78	85	89	86	5.3
28..	59.72	59.69	60.52	58.69	58.78	60.24	59.61	26.3	26	30.2	29.6	27.3	27	27.7	30.9	24.5	88	88	69	70	84	84	80.5	6.9
29..	59.46	59.43	60.12	58.21	58.40	59.68	59.22	25.4	26.4	28.3	27.3	27	26.5	26.8	31.2	24.5	90	86	81	87	87	89	86.7	31.2
30..	58.65	59.27	60.59	58.64	58.35	59.54	59.17	25.8	26	25.8	25.3	25.1	26	25.7	27.8	24.7	93	92	92	92	92	92	92.2	55.8
31..	58.55	59.20	60.29	57.82	58.63	60.12	59.10	25.3	24.9	28.4	29.5	27.6	27	27.1	31.3	23.6	90	89	77	74	84	88	83.7	7.8
Mean	58.42	58.67	59.44	57.38	57.86	59.27	58.51	25.1	24.5	29.2	29.8	27.2	25.9	27	31.4	23.8	91.5	92.7	75.8	73.6	85.4	90.9	85	......
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	382.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	NE	NE	NE	Calm	NNE	22.5	39.6	66.6	25.5	154.2	1	Ci.	Cu.	7	A.-Cu. ENE	Cu. NE
2..	Calm	Calm	N	ENE	NE	Calm	7.5	29.8	48.1	25.1	110.5	3	Ci. E	Cu.	7	Ci.	Cu.-N. ENE
3..	Calm	N	NNE	NE	Calm	Calm	18	30.9	45.3	8.7	102.9	3	Ci. E	Cu.	8	A.-Cu. NE	Cu. ENE
4..	SW	Calm	Calm	NNE	Calm	Calm	24.1	29.5	30	6.9	90.5	8	Ci.-S. NE	Cu. WSW	5	Ci.-S.	Cu. WSW
5..	N	Calm	NW	W	Calm	Calm	23.1	24.1	32.2	7	86.4	3	Ci. NE	Cu. WSW	5	Ci.	Cu.-N. WSW
6..	Calm	NNW	NNE	NE	NE	NNE	11	25.2	70.3	31.6	138.1	1	Ci.	Cu. NE	1	Ci.	Cu. NE
7..	Calm	Calm	NNE	SE	Calm	Calm	9.1	27.6	42.8	5.6	85.1	6	A.-Cu.	Cu. ENE	10	Ci.-S.	Cu.-N. ENE
8..	NE	Calm	ENE	Calm	WSW	Calm	17.2	19.9	22.2	15.9	75.2	10	Ci.-S.	Fr.-N. WSW	9	Ci.-S.	N. ENE
9..	SW	SW	SSW	SSW	Calm	Calm	18	51.2	48.6	7.5	125.3	3	Ci.	Cu. SW	8	Ci.-S.	Cu.-N. SW
10..	W	Calm	SW	SW	SW	Calm	47	46.9	60.7	10	164.6	8	Ci.-S.	Cu.-N. SSW	8	Ci.	Cu.-N. SSW
11..	Calm	Calm	SE	E	Calm	Calm	9.9	24.1	50.5	14.3	98.8	6	A.-Cu. NE	Cu.	6	A.-Cu. W	Cu. WSW
12..	Calm	Calm	E	E	NE	Calm	3.8	24.4	65.8	37.2	131.2	4	Ci.	Cu. ENE	3	Ci.	Cu. E
13..	NE	Calm	NE	NE	NE	NNE	13.9	78.7	120.1	96.9	309.6	7	Ci. E	Cu.	6	Ci. E	Cu. NE
14..	NE	NE	NNE	NE	NE	E	101.9	116.5	145.6	112.1	476.1	9	Ci.-S.	Cu.-N. NE	10	Ci.-S.	N. ENE
15..	E	Calm	NE	NNE	ENE	Calm	57.7	54.1	47.3	12.9	172	10	Ci.-S.	Fr.-N. ESE	8	Ci.-S. E	Cu. ESE
16..	Calm	Calm	SW	SW	W	W	12.4	55	58.2	17.4	143	1	Ci.	Cu.	6	A.-Cu. SW	Cu. WSW
17..	W	W	SW	WSW	SW	SW	34.3	69.4	84.7	33.8	222.2	0	....	....	1	....	Cu. WSW
18..	SW	SW	SW	W	Calm	Calm	37.8	65.8	63.4	8.9	175.9	1	Ci.	Cu.	8	A.-Cu. WSW	Cu. WSW
19..	Calm	Calm	NW	Calm	W	Calm	8.3	19.8	40.5	26	94.6	3	Ci.	Cu. NNW	8	Ci.-S.	Cu.-N. NE
20..	Calm	Calm	NE	NE	NNE	NNE	12.6	45.7	79.9	70.8	209	8	Ci.-S.	N. NE	6	Ci.-S. ESE	Cu. NE
21..	N	NNE	N	NNE	NE	NE	90.9	72.6	94.8	82.9	341.2	9	Ci.-S.	Cu. NE	7	A.-Cu. E	Cu. ENE
22..	N	NE	NE	ESE	NE	NNE	64.6	59.5	64.7	56.8	245.6	3	Ci.	Cu. ENE	2	Ci.	Cu. ENE
23..	N	Calm	NNE	NNE	NE	NNE	34.1	46.4	83.7	68.2	232.4	0	....	....	6	A.-Cu. E	Cu. ENE
24..	N	Calm	NNE	NNE	NE	Calm	35.2	46.7	62.2	33.6	177.7	7	Ci.-S.	N. ENE	7	Ci.-S.	Cu.-N. ENE
25..	Calm	Calm	NNE	E	Calm	Calm	12.9	27.7	38.9	12.6	92.1	4	Ci.	Cu. ENE	4	Ci.	Cu. E
26..	N	Calm	NNE	NE	NE	NNE	28	27.4	50.5	41	146.9	2	Ci.	Cu.	8	Ci.-S. ESE	Cu.-N. E
27..	NE	NE	NE	NE	NE	NNE	28.4	56.3	51.5	62.2	198.4	10	Ci.-S.	N. ENE	9	Ci.-S.	Cu.-N. ENE
28..	N	NE	NE	ENE	NE	NNE	57.3	65.4	89.1	58.2	270	8	Ci.-S.	Fr.-N. E	7	Ci. ESE	Cu. E
29..	N	NE	NE	ESE	NE	NNE	53.1	72.4	72.1	64.6	262.2	5	Ci.	Cu. ENE	7	Ci.-S.	Cu.-N. ENE
30..	N	NE	NNE	ESE	NE	NNE	44.3	41.5	43.8	56.6	186.2	8	Ci.-S.	Fr.-N. ENE	10	Ci.-S.	N. NE
31..	Calm	ENE	N	NE	NE	ENE	40.8	59.7	62.3	65.7	228.5	10	Ci.-S.	Fr.-N. NE	7	Ci.-S. W	Cu.-N. ENE
Mean	......	......	......	......	......	......	31.6	46.9	62.5	38	178.9	5.2	....	....	6.6	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	5,546.4	....	....	....	....	....	....

LEGASPI, ALBAY

[φ=13° 09′ N; λ=123° 45′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.36	59.84	60.67	58.72	59.14	60.79	59.75	26.6	25.5	28	28.2	27	25.6	26.8	29.3	25.3	90	96	85	82	89	93	89.2	40.3
2..	59.73	60.17	60.82	58.85	59.38	60.16	59.85	26.2	25.3	29.6	30	28	27.4	27.8	31.1	24.6	90	93	75	74	82	85	83.2	1.1
3..	59.49	59.62	59.86	58.46	58.66	60.15	59.37	26.7	26.8	30.2	30.8	28	27.8	28.4	32.3	26.6	90	90	71	71	83	84	81.5	1.8
4..	59.02	59.32	60.20	58.45	58.29	59.52	59.13	27.4	26.4	29	28.5	27.8	27.1	27.7	30.9	25.8	84	90	79	84	87	90	85.7	13.9
5..	58.60	58.84	59.92	57.66	57.79	59.42	58.70	26	26.1	29.2	29	28	26.1	27.4	30.3	25.4	93	91	79	83	85	89	86.7	25.9
6..	58.43	58.36	59.59	57.59	58.01	59.51	58.58	26	25.8	26.4	26.8	26.1	25.8	26.2	28.8	24.6	89	89	90	88	91	92	89.8	103.8
7..	58.66	59.67	60.81	58.55	58.74	59.97	59.40	25.9	24.9	28	30.5	27.3	26.1	27.1	31.3	24.2	92	98	85	73	88	85	86.8	30.2
8..	58.95	59.42	60.54	57.95	57.89	59.22	59	25	23.5	25	30.3	27.2	27	26.3	30.6	23.3	91	96	92	72	84	83	86.3	3
9..	57.69	58.30	58.62	56.30	57.26	58.01	57.70	26.7	24.6	28.9	25.1	25.5	25	26	31.4	24.4	83	92	76	94	93	92	88.3	25.7
10..	56.89	56.71	57.19	55.81	56.21	56.84	56.61	24.6	24.7	28.5	25.5	25.1	24.6	25.5	29.9	24	91	91	78	92	93	93	89.7	15.7
11..	56.24	56.91	57.27	55.03	55.93	57.50	56.48	24.3	23.9	28.5	30.1	27.6	26.1	26.8	31.3	23.6	94	97	80	72	82	84	84.8	......
12..	57.15	57.35	57.87	56.42	56.87	57.99	57.28	24.1	23.4	29	30	27.6	25.4	26.6	30.8	23.1	96	92	75	71	81	94	84.8	......
13..	57.29	57.34	58.49	56.66	56.82	57.67	57.38	24.1	23.9	28	29.5	27.7	26.6	26.6	30.7	23.6	94	93	78	70	76	82	82.2	34.1
14..	56.61	56.99	57.03	55.59	55.81	56.49	56.42	24.6	24.2	26.1	25.9	25.3	25.3	25.2	27.7	23.7	94	95	83	81	85	86	87.3	46
15..	55.10	55.42	57.04	54.54	55.64	56.81	55.76	24.8	24.5	26	26.3	24.8	23.5	25	27.4	22.5	93	83	80	89	87	90	87	33.7
16..	55.31	56.20	57.45	55.03	55.86	56.11	55.99	24.4	25.4	27.7	27.2	25.5	24.9	25.8	29.2	23.8	89	84	79	75	88	88	83.8	33.4
17..	54.60	54.82	55.20	51.92	49.43	55.69	53.61	25.6	25	25.8	24.9	24.4	24.5	25	27.7	23.2	87	88	89	92	93	92	90.2	51.6
18..	56.04	57.71	58.83	57.03	57.55	59.34	57.75	24.6	23.9	28.9	28.1	26.2	26	26.3	29.6	23.5	92	95	80	81	93	93	89	7.4
19..	58.06	58.42	59.71	57.28	58.22	59.94	58.60	25.4	23.5	29	30.1	27.7	26.7	27.1	30.8	23.2	91	97	78	75	84	90	85.8	......
20..	58.84	59.04	59.18	57.23	57.62	59.06	58.50	26.2	23.8	29.3	29.7	27.6	24.6	26.9	31.2	23.4	92	97	77	77	88	95	87.7	......
21..	57.74	57.62	58.43	56.08	56.54	57.76	57.36	23.3	23.1	29.4	31	27.6	25.1	26.6	31.3	22.9	97	98	76	71	87	92	86.8	25.6
22..	57.12	58.66	59.65	57.75	58.05	59.52	58.46	24.2	22.6	25.3	26.5	26	25.1	25	27.3	22.3	91	96	89	82	81	87	87.7	2.5
23..	59.21	59.59	60.93	59.03	60.04	60.80	59.93	24.9	24.4	27.4	27.5	26.2	25.1	25.9	29.1	23.6	84	82	72	73	76	80	77.8	......
24..	60.29	60.27	61.07	59.56	59.50	60.65	60.22	24.5	24.1	25.8	26.5	23.8	25.3	25	28.1	22.8	82	84	78	73	85	80	80.3	......
25..	59.39	59.95	61.12	59.16	59.69	60.67	60	25	25.1	27.5	27.8	25.8	25	26	28.8	24.5	77	80	72	72	81	83	77.5	.5
26..	59.60	59.89	60.31	58.01	58.93	59.17	59.32	25.1	24.4	28.3	28.5	24.8	25	26	30.5	23.5	83	86	72	73	94	93	83.5	24.9
27..	58	58.12	59.52	57.53	57.78	59.74	58.45	25.2	25.2	24.9	26.8	27	26.6	26	27.8	24.7	92	93	95	90	90	92	92	18.1
28..	59.38	59.92	60.67	59.32	60.02	61.54	60.14	24.8	25.1	28.1	28.4	26.3	25.9	26.4	30.3	23.9	98	96	77	80	92	93	89.3	25.2
29..	60.59	60.66	61.34	59.07	59.17	60.17	60.17	25	25.3	27.8	28.7	27.5	26.7	26.8	29.9	24.1	99	98	87	83	87	92	91	26.2
30..	59.63	59.67	60.33	58.40	59.74	60.72	59.75	26.5	26.4	27	26.6	25.3	25	26.1	28.5	24.1	92	92	91	94	96	95	93.3	43.6
Mean	58.10	58.49	59.32	57.30	57.69	59.03	58.32	25.3	24.7	27.8	28.2	26.5	25.7	26.3	29.8	23.9	90.3	91.7	80.6	79.6	86.7	88.9	86.3	......
Total	....	....	....	....	....	....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	634.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	Calm	NE	ENE	NE	NE	38	43.3	54.7	51.3	187.3	3	Ci.	Cu.-N. E	9	Ci.-S.	Cu.-N. ENE
2..	NE	NE	ENE	E	NE	NE	56.9	61.2	96	80.3	294.4	9	Ci.-S.	Fr.-N. ENE	5	Ci.	Cu.-N. ENE
3..	N	ENE	NNE	E	ENE	NE	74.2	79.7	81.8	93.9	329.6	4	Ci.	Cu. ENE	5	A.-Cu. E	Cu. ENE
4..	NE	NE	E	ENE	ENE	NE	95.2	92	85.1	75.9	348.2	8	Ci.-S.	Fr.-N. ENE	7	Ci.-S.	Cu.-N. ENE
5..	NE	ENE	E	ENE	E	NE	75.4	88.5	71.9	35.9	271.7	8	Ci.-S.	Cu.-N. E	6	Ci.-S.	Cu.-N. ENE
6..	Calm	E	E	E	NE	ENE	36.5	56.3	59.2	41.8	193.8	4	Ci.	Cu. ENE	10	Ci.-S.	N. ENE
7..	E	ENE	NE	ENE	NE	ENE	36.4	60.2	76.4	65	238	8	Ci.-S.	Cu.-N. ENE	4	Ci.	Cu. ENE
8..	Calm	NE	NE	ENE	NNE	NNE	30	51.5	68.2	60.6	210.3	8	Ci.-S.	N. E	7	Ci.-S.	Cu. ENE
9..	N	Calm	N	W	W	WSW	26.8	17.4	33.2	63.8	141.2	10	Ci.-S.	N. ENE	10	Ci.-S.	N. NW
10..	SW	SW	WNW	WSW	W	W	76.7	90.4	58.2	43.5	268.8	8	A.-Cu. SW	Cu.	10	Ci.-S.	Cu.-N. WNW
11..	W	W	W	ENE	NE	Calm	27.9	41.2	89.1	39.9	198.1	7	Ci.	Cu. NW	6	Ci.-S. ENE	Cu. NE
12..	NE	Calm	N	NNE	N	NNE	21.1	47	82.9	41.2	192.2	5	Ci.	Cu. NE	7	Ci.-S. E	Cu. NE
13..	N	Calm	NNE	NNE	N	WNW	18.3	52.8	75.3	59	205.4	8	Ci.-S.	Fr.-N. N	10	Ci.-S.	Cu. NNW
14..	W	WSW	NNE	NNW	NNW	WNW	34	52.8	62.6	43.8	193.2	10	Ci.-S.	Fr.-N. NNW	10	Ci.-S.	Fr.-N. NNW
15..	NW	NNE	N	NNE	NNE	NNE	87.4	70.6	114.5	82.7	355.2	10	Ci.-S.	Fr.-N. N	10	Ci.-S.	Fr.-N. NNE
16..	N	NNE	NNE	NNE	NNE	NNE	92.2	97.4	108.4	108.3	406.3	8	Ci.-S.	Fr.-N. NNE	10	Ci.-S.	N. NE
17..	N	NE	N	NE	E	SE	136.8	201.6	334.1	206.8	879.3	10	Ci.-S.	Fr.-N. NE	10	Ci.-S.	Fr.-N. ENE
18..	S	Calm	SE	W	NE	Calm	51.2	30.9	36.4	9.1	127.6	6	A.-Cu.	Cu. SSE	8	Ci.-S.	Cu. SSE
19..	N	Calm	Calm	E	E	NNE	11.8	18.3	67.9	46.1	144.1	2	Ci.	Cu.	3	....	Cu. SE
20..	N	Calm	N	ESE	E	Calm	38.1	32.2	46.7	9.9	126.9	3	Ci.	Cu. ENE	3	....	Cu. E
21..	Calm	Calm	NNE	ESE	Calm	N	6.4	21.4	33.5	38.4	99.7	5	Ci. NE	Cu. W	8	Ci.-S.	Cu. W
22..	N	NE	NNE	NNE	NE	NE	71.8	78.1	112.5	74	336.4	10	Ci.-S.	N. NE	9	Ci.-S.	Cu.-N. NE
23..	N	NE	NE	NNE	NE	NE	68.9	80.2	83.2	61.7	294	4	Ci.	Cu. NE	9	Ci.-S.	Cu. NE
24..	NE	NNE	NE	NNE	NE	NNE	72.1	95.6	107.5	106.5	381.7	10	Ci.-S.	N. NE	8	Ci.-S.	Cu.-N. NE
25..	N	NE	NE	NNE	NE	NE	97.7	114.5	110.4	103.2	425.8	8	Ci.-S. E	Cu. NE	6	A.-Cu. NE	Cu. NE
26..	N	NE	NNE	NNE	NE	N	84.8	115.3	91.5	55.5	347.1	5	Ci.	Cu. NNE	10	Ci.-S.	Cu. NE
27..	N	NE	NNE	NNE	NE	E	75	78.4	114.9	81.1	349.4	10	Ci.-S.	N. NE	10	Ci.-S.	Fr.-N. ENE
28..	N	NE	NE	ENE	NE	NE	53.3	74.6	58.5	67.6	254	9	Ci.-S.	N. ESE	6	Ci.	Cu.-N. E
29..	Calm	ENE	NNE	N	NE	NNE	49.3	96.1	138.1	97.7	381.2	10	Ci.-S.	N. ENE	6	Ci.-S.	Cu.-N. ENE
30..	N	NE	ENE	NNE	NE	NE	110.8	123.4	79.4	80.3	393.9	6	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	Fr.-N. ENE
Mean	......	......	......	......	......	......	58.5	72.1	87.7	67.5	285.8	7.2	....	....	7.7	....	....
Total	......	......	......	......	......	......	......	......	......	......	8,574.8	......	....	....	......	....	....

LEGASPI, ALBAY

[ϕ=13° 09′ N; λ=123° 45′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.77	59.72	60.46	58.59	59.11	60.28	59.66	25.6	26	29	26	25.8	26.5	26.5	29.8	24	93	93	78	90	91	90	89.2	7.3
2..	59.42	59.39	60.47	58.88	59.20	59.65	59.50	25.8	25.9	28.2	26.8	25	25.7	26.2	29.3	23.3	89	89	81	89	90	93	88.5	21.1
3..	58.43	58.50	59.36	57.12	57.20	57.63	58.04	25.7	25.6	28.4	28.3	25.5	26.3	26.6	29.5	23.3	93	90	79	78	91	90	86.8	20.9
4..	56.99	56.85	57.85	56.11	55.69	57.45	56.82	24.7	24.9	24.7	24.5	26.1	26	25.2	26.8	23.8	96	95	97	97	93	96	95.7	81.7
5..	56.25	56.65	57.92	56.03	57.02	58.45	57.05	25.6	25.7	28.8	27	26.8	26	26.6	29.8	24.9	94	94	83	92	93	93	91.5	5.6
6..	57.73	57.86	58.78	56.57	57.78	59.28	58	24.5	23.7	29	30.8	27.8	25.1	26.8	31.5	23.2	97	98	76	67	88	96	87	....
7..	58.65	58.92	59.66	57.61	58.41	59.67	58.82	23.9	22.9	28.9	30.7	27.5	26	26.6	31.1	22.7	91	97	81	78	88	94	88.2	1.8
8..	58.59	59.09	60.13	58.21	58.46	59.67	59.02	24	23.9	29.3	30.3	27.3	26.5	26.9	31.1	23.2	97	97	79	75	88	92	88	....
9..	59.01	59	60.30	58.76	59.54	60.41	59.50	26.1	26.2	29	30.5	26.4	26.2	27.4	30.8	25	92	90	73	68	85	85	82.2	.5
10..	59.61	60.41	61.27	58.86	59.56	60.82	60.09	26.5	25.9	29.2	29.5	27.5	27.1	27.6	31	25.6	83	86	73	72	83	84	80.2	1.8
11..	60.43	60.71	60.99	59.10	59.96	60.59	60.30	26.1	25.2	28.4	29.3	27.3	26	27	30.2	23.4	90	93	80	76	83	85	84.5	4.3
12..	59.24	59.36	60.45	58.79	59.41	59.86	59.52	26.2	25.7	28.6	26.5	26.3	25.3	26.4	29.9	23.4	85	87	78	84	91	89	85.7	6.6
13..	59.02	59.11	59.65	57.27	57.94	58.59	58.60	22.4	21.5	29.4	30.3	27.1	26.4	26.2	31.1	21.3	96	97	74	73	87	89	86	....
14..	57.94	58.42	58.72	56.27	56.85	58.25	57.74	22.8	22.2	28.6	30	27	26	26.1	30.6	21.6	97	96	78	71	83	89	85.7	....
15..	57.57	58.36	59.46	57.59	58.71	59.74	58.57	22.9	21.9	28.8	31.3	27.6	26.5	26.5	31.8	21.6	93	96	76	65	84	88	83.7	....
16..	59.23	59.45	60.46	58.89	59.72	60.45	59.70	25.6	22.4	28.4	24.7	24.8	24.9	25.1	29.7	22.2	84	95	79	94	94	95	90.2	28.4
17..	60.09	60.89	61.82	59.34	60.21	61.45	60.63	24.1	24.4	24.2	26.5	26.3	24.8	25	27.5	23.4	93	92	97	86	86	94	91.3	43
18..	60.12	61.37	62.28	59.94	60.15	61.45	60.88	25.6	25	25.2	25.4	26	25.8	25.5	27	23.9	93	96	95	90	90	90	92.3	40.1
19..	60.87	61.95	63.65	61.62	61.89	62.83	62.14	24.9	24.5	23.4	24.3	25.5	25.1	24.6	26.6	22.6	87	88	95	94	88	88	90	36
20..	61.85	61.93	62.73	61.23	61.59	62.54	61.98	24.4	24.8	27	27.3	26.6	25.3	25.9	29.2	23.7	91	89	79	78	83	91	85.2	.5
21..	61.67	62.02	63.01	61.12	61.43	63.14	62.06	25.2	25.1	28.9	28.7	26.3	25.6	26.6	30.5	24.5	91	91	73	71	82	84	82	1.8
22..	61.95	61.87	62.38	60.80	61.37	62.14	61.75	25	24.3	27.8	28	27.3	26.5	26.5	29.1	23.9	88	92	74	74	78	85	81.8	3.5
23..	61.06	61.17	62.15	59.96	61.17	61.29	61.13	25.5	25.4	28.3	29.5	25.5	24.6	26.5	30.8	24.1	92	91	81	76	89	92	86.8	7.9
24..	60.21	60.35	61.06	59.17	59.38	59.44	59.94	25.1	23.6	27.1	29	25.6	25.8	26	29.7	23.4	89	97	85	82	93	93	89.8	7.1
25..	58.33	59.29	60.46	58.06	59.48	60.53	59.36	23.8	25.1	28	28.8	26.5	26.1	26.4	30	23.6	93	94	79	76	86	87	85.8	....
26..	59.62	60.04	60.78	59.37	59.92	59.61	59.89	25.7	25.8	28.7	28.9	27	26.6	27.1	30.8	24.6	89	90	78	77	86	86	84.3	5.4
27..	59.51	59.79	60.82	58.91	59.98	60.37	59.90	26.2	24	24.5	25.7	25.9	23.8	25	28.3	23.1	85	96	94	93	93	97	93	6.1
28..	59.64	60.08	60.96	59.10	60.01	60.51	60.05	23.6	23.9	28.5	29.5	27.2	26.3	26.5	30.5	23	97	97	82	78	84	89	87.8	6.9
29..	60.17	61.42	61.98	60.16	60.59	61.68	61	24.5	24.4	27.3	27.5	25.3	24	25.5	29.1	23.8	95	91	78	81	89	94	88	9.6
30..	61.20	61.89	63.44	61.76	62.50	63.17	62.33	23.8	24.5	24.8	25.3	24	23.8	24.4	26.3	23	90	85	84	82	83	79	83.8	....
31..	62.56	62.63	63.38	61.46	62.02	62.79	62.47	23.6	23.7	25.3	26	25	24.9	24.8	26.6	23.2	80	81	76	75	78	82	78.7	....
Mean	59.57	59.95	60.87	58.92	59.56	60.44	59.89	24.8	24.5	27.6	28	26.3	25.7	26.1	29.5	23.4	91.1	92.4	81.1	80.1	87.1	89.6	86.9	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	347.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	N	NE	NE	E	NE	NNE	78.9	112.9	103.8	78.9	374.5	6	Ci.-S.	Cu. ENE	10	Ci.-S.	Fr.-N. ENE
2..	NE	NE	NE	NNE	NE	N	75.3	62.8	80.5	80.7	299.3	8	Ci.-S.	Fr.-N. ENE	10	Ci.-S.	N. ENE
3..	N	NE	NNE	NNE	ENE	NE	73.5	106.5	107.8	85.3	373.1	10	Ci.-S.	Fr.-N. ENE	10	Ci.-S.	N. ENE
4..	N	NE	NNE	ENE	E	E	90.4	75.1	90.1	90.7	346.3	10	Ci.-S.	Fr.-N. E	10	Ci.-S.	N. ENE
5..	E	Calm	E	E	Calm	Calm	52.8	58.4	24.7	18.5	154.4	4	Ci. SSW	Cu. ESE	6	Ci.-S.	Cu.-N. SSE
6..	Calm	Calm	SW	SW	Calm	Calm	6.2	22.7	34.8	6.6	70.3	8	Ci.-S	Cu.-N. E	4	Ci.	Cu. SW
7..	Calm	Calm	SW	E	ENE	Calm	4.5	27.7	50.5	24.1	106.8	0	....	....	2	A.-Cu.	Cu.
8..	Calm	Calm	E	ESE	E	E	11.6	32.2	65.2	38.4	147.4	1	....	Cu. ENE	1	Ci.	Cu. ENE
9..	N	NE	NE	E	E	ENE	76.4	100.6	80.7	78.7	336.4	4	Ci.	Cu.-N. ENE	8	A.-Cu. ENE	Cu. ENE
10..	E	ENE	E	E	ENE	E	84.7	99.5	102.4	108	394.6	5	Ci.	Cu. ENE	2	Ci.	Cu. ENE
11..	E	E	E	ENE	E	E	58.7	99.8	101.6	69.5	329.6	1	....	Cu. ENE	1	....	Cu. ENE
12..	E	ENE	E	ENE	E	Calm	57.7	44.3	39.9	25.1	167	5	Ci.	Cu. ENE	7	Ci.-S.	Cu.-N. ENE
13..	Calm	E	E	ESE	E	E	6.1	54.9	53.7	34	148.7	0	....	....	1	....	Cu. E
14..	Calm	Calm	E	ESE	Calm	Calm	15.9	28.5	48.5	12.6	105.5	1	....	Cu.	1	....	Cu.
15..	Calm	Calm	E	E	E	E	13.9	23.1	44.9	31.7	113.6	4	A.-Cu. NE	Cu.	6	A.-Cu. NE	Cu. ENE
16..	E	Calm	ENE	ENE	E	NE	48	35.2	75.3	76.9	235.4	1	....	Cu.	10	Ci.-S.	Fr.-N. ENE
17..	E	NE	NE	NE	E	ENE	87.4	43.7	56.6	64.2	251.9	10	Ci.-S.	N. NE	10	Ci.-S.	Cu.-N. NE
18..	E	NNE	NNE	ENE	NE	NNE	52.8	75.9	112.1	80.3	321.1	10	Ci.-S.	N. ENE	10	Ci.-S.	N. NE
19..	N	NNE	NNE	NE	NE	NNE	67.1	98.8	75.1	63.8	304.8	10	Ci.-S.	N. NE	10	Ci.-S.	N. ENE
20..	E	NE	NNE	NE	ENE	NE	65.4	76.7	68.1	40.4	250.6	10	Ci.-S.	N. ENE	9	Ci.-S.	Fr.-N. NE
21..	N	NE	NE	NNE	NE	NE	63.1	87.2	103.5	82.6	336.4	6	Ci.	Cu.-N. ENE	7	Ci.	Cu. NE
22..	N	NE	NE	NNE	NE	NE	77.9	86.6	109.6	58.9	333	10	Ci.-S.	Fr.-N. ENE	9	Ci.-S.	Cu.-N. ENE
23..	N	NE	E	E	E	Calm	64.7	77.5	74	22	238.2	4	A.-Cu. ESE	Cu. E	6	A.-Cu. ENE	Cu. ENE
24..	Calm	NE	NE	ESE	NE	NE	19.9	31.4	60	62.3	173.6	4	Ci.	Cu.-N. ENE	7	A.-Cu. ENE	Cu. ENE
25..	N	NNE	Calm	NNE	NE	NE	44	41.3	81.6	66	232.9	5	Ci.-S.	Fr.-N. ENE	4	Ci.	Cu. NE
26..	N	NE	NE	NNE	NE	NE	65	88.3	65	71.1	289.4	7	Ci.-S.	Cu. ENE	10	Ci.-S.	N. ENE
27..	N	Calm	Calm	Calm	Calm	Calm	28.8	7.8	16.3	7	59.9	6	Ci.-S.	Cu. ENE	9	Ci.-S.	Cu.-N. ENE
28..	Calm	Calm	NE	E	ENE	NE	12.3	27.9	56.6	46.2	143	7	Ci.-S.	N. ENE	2	Ci.	Cu. E
29..	N	NNE	NE	NE	NE	NE	65.4	85	96.6	121.2	368.2	10	Ci.-S.	Fr.-N. ENE	9	Ci.-S.	Cu.-N. ENE
30..	N	NE	NE	NNE	NNE	NE	157.2	184.8	189.8	200.1	731.4	10	Ci.-S.	Fr.-N. NE	9	Ci.-S.	Fr.-N. NE
31..	N	NE	NE	NE	NE	NE	161.5	145.3	133.1	140	579.9	9	Ci.-S.	N. NE	9	Ci.-S.	Fr.-N. NE
Mean	......	......	......	......	......	......	57.6	69.1	77.5	64.1	268.3	6	....	....	6.7	....	....
Total	......	......	......	......	......	......	......	......	......	......	8,317.2	....	....	....	....	....	....

ATIMONAN

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.28	61.58	63.18	61.32	61.72	62.72	61.97	25	25.1	26.9	26.6	25.7	25.3	25.8	27.8	23.6	86	86	81	84	88	91	86	0.6
2..	61.70	61.68	63.24	61.18	62	62.98	62.13	25.6	25	26.4	26.6	25.8	25.6	25.8	27.2	24.1	92	96	89	88	88	90	90.5	16.5
3..	61.78	62.45	63.73	61.59	62.44	63.29	62.55	25.4	25.3	24.6	26.2	24.6	25.4	25.2	26.8	23.4	88	89	99	86	92	92	91	34.9
4..	62.49	62.81	64.16	62.18	62.66	63.79	63.02	24.4	24.7	24.9	26.2	25.6	25.3	25.2	26.8	23.6	97	95	96	87	91	88	92.3	22.1
5..	62.31	63.28	64.51	62.67	63.88	64.94	63.60	24.9	25.3	26.2	27.6	26.5	26.2	26.1	28.1	24.2	90	88	86	77	84	85	85	2.6
6..	64.87	65.19	66.68	65.16	65.47	66.17	65.59	24.2	23.8	24.7	23.7	23.9	24.6	24.2	26	22.7	85	89	87	92	90	85	88	8.6
7..	64.47	64.20	65.08	62.81	63.29	64.66	64.08	23.8	24.5	25	25	26.1	25.7	25	26.6	23.4	93	88	88	89	83	84	87.5	1.5
8..	63.81	63.40	64.18	61.97	62.08	62.70	63.02	24.7	24.9	26.5	25.3	25.5	25.3	25.4	27.8	24.1	87	89	85	93	84	82	86.7	3.3
9..	61.10	61.55	62.85	60.69	60.95	61.82	61.49	23.7	22.5	26.5	28.9	26.2	25.8	25.6	29.6	21.9	89	98	87	70	85	87	86	......
10..	60.39	60.89	62.03	59.81	60.07	61.09	60.71	25.3	23.9	28	27.3	26.1	25.8	26.1	28.9	22.9	87	92	81	72	79	77	81.3	......
11..	59.51	60.11	61.57	59.57	60.07	61.09	60.32	24	22.4	26.5	28.4	26.4	23.5	25.2	28.8	21.4	81	92	84	75	82	90	84	......
12..	59.90	60.17	61.67	59.66	59.84	61.41	60.44	22.3	23.3	26.8	28.9	26.6	23.6	25.2	30.1	20.9	92	81	84	75	81	90	83.8	......
13..	60.41	60.77	62.29	60.39	60.75	62.39	61.17	22.8	21	27.2	28.6	26.7	25.9	25.4	29.2	20.5	88	98	84	71	80	79	83.3	......
14..	61.29	62.24	64.19	62.27	62.78	63.74	62.75	25.5	24	26.9	28.5	26.2	25.7	26.1	29.3	22.1	78	88	77	67	79	78	77.8	......
15..	62.58	63.11	64.26	62.03	62.40	63.52	62.98	25.2	22.9	28.1	27.6	26.5	25.6	26	29.8	22.1	78	92	74	74	80	82	80	......
16..	62.49	62.83	64.02	62.08	62.79	64.14	63.06	25.2	24.3	27.8	27.6	26.8	25.8	26.2	28.9	23.2	83	90	79	76	78	83	81.5	......
17..	63.60	63.99	65.19	63.67	64.32	65.47	64.37	25.4	25.1	27.2	27.3	26.5	25.8	26.2	28.2	24.7	81	83	68	68	73	74	74.5	......
18..	64.28	64.47	65.94	64.08	64.28	65.23	64.71	25.6	25	27.2	27.1	26.2	26	26.2	28.1	24.6	75	80	69	72	76	75	74.5	......
19..	64.41	64.52	65.72	64.07	64.77	66.06	64.92	25.2	25	27	26.7	25.4	23.2	25.4	28.1	22.8	79	80	68	69	73	88	76.2	3
20..	64.72	64.34	65.19	63.04	63.34	64.73	64.23	24.2	24.5	25.5	27	25.7	24.8	25.3	27.6	23.2	85	83	80	71	77	79	79.2	......
21..	64.20	64.36	65.19	63.42	63.74	64.72	64.27	24.8	24.6	26.7	26.9	25.6	24.9	25.6	27.2	24.2	74	75	71	67	75	76	73	......
22..	64	63.99	65.21	63.27	63.45	64.53	64.08	24.4	24.6	26.6	27.4	25.6	24.8	25.6	27.8	24	75	75	62	57	66	71	67.7	......
23..	63.70	63.39	64.64	62.58	62.41	63.74	63.41	24.8	24.6	26.6	26.3	25.6	25.3	25.5	27.2	24.1	71	72	62	64	71	75	69.2	......
24..	62.19	62.54	63.78	61.59	61.65	62.87	62.44	25.1	25	26.8	26.9	26	25.6	25.9	28.5	24.5	78	80	77	74	77	80	77.7	......
25..	61.50	62.14	63.80	61.57	61.68	63	62.28	25.2	25	26.2	26.9	26	25.8	25.8	28.1	24.6	82	83	79	77	82	82	80.8	......
26..	61.81	62.63	64.28	62.23	62.65	63.75	62.89	25.5	25	27.2	27.6	26.2	25.6	26.2	27.8	24.4	84	86	75	66	67	69	74.5	......
27..	62.21	63.05	64.19	62.07	62.52	63.91	62.99	24.9	25	26.4	26.6	25.2	25	25.5	27.6	24.2	69	64	59	64	82	85	70.5	1.5
28..	62.59	62.49	63.93	61.38	61.83	62.75	62.50	24.4	24.8	26.6	27.1	25	24.8	25.4	29.2	23.8	91	89	80	81	83	83	84.5	......
29..	62.11	62.56	64.13	61.88	61.78	62.90	62.56	24.4	22.5	27.3	29	27.1	25	25.9	29.9	21	82	96	78	64	76	77	78.8	......
30..	61.61	62.37	63.90	61.88	62.12	63.25	62.52	21	19.5	26.3	28.3	26	25.7	24.5	29.2	18.8	95	99	79	66	76	77	82	......
31..	62.10	62.15	63.33	61.13	61.70	62.77	62.20	24.4	23	27.7	29.2	26.2	25.8	26	29.9	21.7	82	91	75	68	82	75	78.8	......
Mean	62.43	62.75	64.07	62.04	62.43	63.55	62.88	24.6	24.1	26.6	27.2	25.9	25.3	25.6	28.3	23.1	83.8	86.7	78.8	74.3	80	81.6	80.9	......
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	94.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	NE	NE	NNE	NE	N	58.9	87.9	129.2	103.3	379.3	6	Ci.	S.-Cu.	4	Ci.-S.	Cu.-N.
2..	N	N	N	N	NNE	N	82.9	113.3	164.7	136.3	497.2	9	Ci.-S.	N.	6	A.-Cu.	Cu.-N. NNE
3..	NNE	N	ENE	NE	NE	N	155.8	141.3	167.5	154.4	619	8	Ci.-S.	Cu.-N. NNE	8	Ci.-S.	Cu.-N.
4..	N	N	Calm	N	N	N	121	110	164.1	169.9	565	10	Ci.-S.	N.	7	....	Cu. NNE
5..	NE	NE	NE	NE	NE	NE	136.4	118.5	181	211	646.9	8	Ci.-S.	N.	4	A.-Cu.	Cu.
6..	E	ENE	NE	NE	NE	ENE	168.3	245.9	274.5	279.9	968.6	9	Ci.-S.	N. NNE	10	Ci.-S.	Cu.-N.
7..	E	ENE	ENE	ENE	N	N	237.6	191.8	126.9	137.1	693.4	10	Ci.-S.	N. NE	9	Ci.-S.	Cu.-N. ENE
8..	N	NNE	NNE	NNE	NNE	N	113.5	106.5	102.5	67.6	390.1	7	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.-N.
9..	Calm	SSW	S	NNE	NNE	NE	32.8	35.7	74	73.4	215.9	8	Ci.-S.	S.-Cu.	6	A.-Cu.	Cu.-N.
10..	NE	Calm	Calm	NNE	NE	Calm	61.5	17.9	99.3	62.6	241.3	10	Ci.-S.	S.-Cu.	3	....	Cu. NNE
11..	Calm	Calm	N	NNW	N	W	40.8	58.1	90.3	41.6	230.8	8	Ci.-S.	S.-Cu.	2	....	Cu.
12..	W	SW	Calm	Calm	Calm	SW	53.4	38	28	59.5	178.9	7	A.-Cu.	Cu.	2	Ci.	Cu.
13..	SW	SW	Calm	N	N	NE	[a]38.6	32	87.4	88.7	246.7	6	Ci.-S.	S.-Cu.	2	....	Cu. NNE
14..	NE	E	E	N	NE	NE	77.5	51.2	91.1	95.2	315	6	Ci.	Cu.	6	....	Cu. NNE
15..	NE	Calm	Calm	N	N	NE	68.9	21.5	104	112	306.4	10	Ci.-S.	S.-Cu.	5	A.-Cu. ENE	Cu.
16..	NE	Calm	Calm	NNE	NNE	E	74	30.1	140	114.8	358.9	10	Ci.-S.	S.-Cu.	6	A.-Cu.	Cu.-N.
17..	ENE	ENE	E	NNE	NE	NE	110.4	138.6	185.6	141.1	575.7	6	Ci.	S.-Cu.	1	....	Cu.
18..	NE	NE	NE	NNE	NE	NE	116.4	127.9	171.2	134.6	550.1	7	Ci.-S.	S.-Cu.	1	....	Cu.
19..	NE	NE	ENE	NE	NE	NE	110.8	125.8	162	172	570.6	7	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.-N.
20..	E	ENE	NE	NNE	NE	NE	145.3	182.4	239.7	209.7	777.1	8	Ci.-S.	Cu.-N. NNE	5	....	Cu. NNE
21..	ENE	ENE	NE	NE	NE	E	147.9	172.5	223	176	719.4	5	Ci.-S.	Cu. NNE	2	....	Cu.
22..	E	E	ENE	NE	NE	E	141.6	167.3	214.3	151.1	674.3	5	Ci.-S.	Cu.-N.	2	....	Cu. NNE
23..	E	NE	NNE	NE	NNE	NE	141.9	154.8	174.9	120.7	592.3	8	Ci.-S.	S.-Cu.	1	....	Cu.
24..	NE	N	NNE	NNE	NNE	NE	99.6	95.8	138.2	102.8	436.4	9	Ci.-S.	S.-Cu.	3	....	Cu.
25..	N	N	N	N	N	NE	91.2	119.1	157.7	143.8	511.8	10	Ci.-S.	S.-Cu.	5	....	Cu.
26..	NE	ENE	NE	NE	NE	NE	125.7	158.7	210.6	199.5	694.5	10	Ci.-S.	Cu.-N.	2	Ci.	Cu.
27..	E	NNE	NE	NNE	NNE	N	154.1	156.3	201.3	166.5	678.2	10	Ci.-S.	S.-Cu.	6	A.-Cu.	Cu. NNE
28..	NE	NE	ENE	NE	NE	E	132.6	84.5	155.9	142.2	515.2	10	Ci.-S.	Cu.-N. NNE	5	A.-Cu.	Cu.
29..	ENE	Calm	Calm	NE	NE	ENE	89.5	24.1	73.4	100	287	10	Ci.-S.	S.-Cu.	4	A.-Cu.	Cu.
30..	SW	SW	Calm	NW	N	N	71.8	48.1	127.9	105.1	352.9	6	Ci.-S.	S.-Cu.	1	....	Cu.
31..	N	NE	Calm	NW	N	NE	61.4	36.4	106.4	87.4	291.6	7	Ci.-S.	Cu.-N. N	1	....	Cu.
Mean	......	......	......	......	......	......	105.2	103	147.3	131	486.5	8.1	....	....	4.3	....	....
Total	......	......	......	......	......	......	......	......	......	......	[a]15,080.5	......	....	....		....	....

[a] 3 hours missing.

ATIMONAN

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.51	62.49	63.42	61.52	62.39	63.10	62.40	23.8	21	28.2	29.2	26.4	26.1	25.8	30.1	20.4	80	97	74	72	81	80	80.7	......
2..	61.99	62.95	64.42	62.31	63.04	63.79	63.08	25.8	25.2	28.4	29.2	26.6	26	26.9	31.1	24.2	84	86	71	66	77	76	76.7	......
3..	63.09	64.25	65.06	62.92	63.38	64.48	63.86	25.1	25.1	26.8	27.5	26.2	26	26.1	28.4	24.4	76	76	71	70	73	66	72	......
4..	63.41	64.53	66.13	63.94	65.03	65.83	64.81	25.1	25.2	27.2	27.5	26.2	26.4	26.3	28.2	24.5	63	62	59	58	70	70	63.7	......
5..	64.79	65.42	66.62	64.54	65.79	66.49	65.61	26.2	25.4	26.3	25.6	24.7	23.7	25.3	26.9	22.1	72	78	75	81	82	88	79.3	2.8
6..	65.11	66.27	67.68	64.81	65.79	65.99	65.94	23.4	24	24.7	24.1	24	23.5	24	25.3	21.9	89	85	85	91	87	91	88	21.9
7..	64.92	65.76	66.71	63.96	64.81	64.82	65.16	23.4	22.9	25	24.8	25.4	24	24.2	25.9	22.5	91	95	85	90	86	91	89.7	3.3
8..	63.89	64.67	64.96	63.32	63.82	64.58	64.21	22.8	21.9	26.8	26.3	26	25.6	24.9	28.4	21.3	93	97	83	86	87	83	88.2	2.1
9..	63.28	64.20	65.82	63.68	64.12	64.81	64.32	25	24.9	27	27.2	26	25.4	25.9	27.6	24.3	83	84	75	72	78	78	78.3	......
10..	63.48	63.73	64.73	62.47	62.92	64.39	63.62	24.6	24.6	27	26.6	25.7	25.4	25.6	27.3	24.1	82	82	73	74	82	79	78.7	......
11..	63.41	64.23	65.08	62.77	63.32	64.57	63.90	24.6	25	27.2	26.4	25.8	25.7	25.8	27.8	24.3	80	78	71	72	78	78	76.2	......
12..	63.29	63.26	64.34	61.79	62.04	63.20	62.99	25	24	25.5	26.6	25.2	24.5	25.1	27.7	23.2	83	91	84	83	92	82	85.8	3.6
13..	62	62.30	63.60	61.58	61.79	63.05	62.39	24.7	22.6	27	27.4	26	24.7	25.4	29.5	21.7	87	99	83	78	88	97	88.7	4.1
14..	62.28	62.35	63.99	62.24	62.63	63.70	62.86	25.3	25	28.5	27.6	26.6	25.9	26.5	30.5	24.4	91	88	78	76	80	83	82.7	......
15..	63.08	63.39	64.13	62.54	63.15	63.82	63.35	25.6	25.1	27.5	26.7	26.2	25.7	26.1	28.2	24.6	84	86	79	82	84	87	83.7	......
16..	62.78	62.74	63.27	61.48	61.19	61.97	62.24	25.4	25.5	26.9	29	26.7	26	26.6	29.4	24.8	90	90	82	80	83	85	85	......
17..	60.99	61.29	61.90	60.05	60.13	60.96	60.89	25.5	25.6	27.1	26.8	26	25.7	26.1	28.8	25.1	88	87	80	80	81	78	82.3	1.5
18..	60.01	60.47	61.53	59.88	60.59	61.32	60.63	24.4	22.2	27.8	27	26.5	26	25.6	29.9	21.4	82	96	75	83	77	78	81.8	1.5
19..	60.61	61.49	62.54	60.18	60.72	61.67	61.20	25	22.6	28	29	26.8	26.1	26.2	30.1	21.9	78	95	74	74	83	82	81	......
20..	60.29	61.71	62.20	59.73	59.92	61.03	60.81	24.8	23.4	27.9	29.4	27.1	25.9	26.4	30.4	22.1	87	94	78	72	83	87	83.5	......
21..	59.88	60.66	61.99	59.46	59.26	59.95	60.20	23.5	22.6	27.5	29.8	28.3	24.2	26	30.6	22	93	98	81	72	76	91	85.2	......
22..	59.29	59.57	60.63	58.66	59.08	60.29	59.59	22.6	22	27.6	29.6	27.5	26.5	26	30.5	21.3	98	100	84	77	81	84	87.3	......
23..	58.99	59.91	60.92	59.15	59.58	61.14	59.95	25.6	22.9	28	30.2	27.3	26.6	26.8	30.7	22.1	85	98	84	74	84	83	84.7	......
24..	60.08	60.91	61.69	59.75	59.78	60.85	60.51	23.1	23.2	27.8	29.7	26.7	26.5	26.2	31.2	22.1	97	97	79	72	85	84	85.7	......
25..	60.10	60.88	62.09	60.11	60.75	62.03	60.99	25.7	25.6	28.2	27.6	24	24.3	25.9	28.6	23.5	87	87	72	75	96	87	84	2.5
26..	61.19	61.79	63.44	61.85	62.11	63.21	62.26	25.4	25.4	25.8	26.2	25.6	25.1	25.6	26.9	24.4	74	74	75	73	75	83	75.7	2.8
27..	61.79	62	63.72	61.57	61.07	62.22	62.06	25	25	27.5	26.9	26.2	26	26.1	28.6	24.3	89	89	73	78	79	79	81.2	......
28..	61.40	62.04	63.24	61.11	60.84	61.88	61.75	25	25	28.2	27.8	26.4	25.9	26.4	29.4	24.2	86	85	72	74	97	97	85.2	......
Mean	62.03	62.69	63.78	61.69	62.11	63.04	62.56	24.7	24	27.2	27.6	26.1	25.5	25.8	28.9	23.1	84.7	88.4	77	76.2	82.3	83.1	82	......
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	46.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	W	Calm	NW	NNE	NE	50.7	36	110.5	114.9	312.1	2	Ci.-S.	S.-Cu.	1	....	Cu.
2..	NE	ENE	E	N	N	NNE	104	53.3	97.2	144.5	399	6	Ci.-S.	S.-Cu.	1	....	Cu.
3..	ENE	ENE	NE	N	NNE	ENE	140.3	99.8	160.7	137.1	537.9	1	....	Cu.	1	....	Cu.
4..	NE	NE	NE	NE	NE	NE	114.9	131.8	174.9	171.2	592.8	8	Ci.-S.	Cu.-N. NE	1	Ci.-Cu.	Cu.
5..	NE	NE	NE	NE	NE	ENE	212.4	217.2	288.6	244.1	962.3	6	....	Cu.-N. NNE	5	A.-Cu.	Cu.-N. NNE
6..	NE	ENE	NE	NE	NE	NE	202.5	199.3	227.7	175.7	805.2	7	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.-N. NNE
7..	NE	ENE	E	NE	NE	NE	119.4	122.5	170.1	90.1	502.1	10	Ci.-S.	N.	9	Ci.-S.	Cu.-N. NNE
8..	Calm	NE	NW	NE	NE	ENE	38.8	50.2	136.7	150	375.7	7	Ci.-S.	S.-Cu.	5	A.-Cu.	Cu.-N.
9..	ENE	NE	E	NE	NE	ENE	127.6	126.5	180.7	126	560.8	10	Ci.-S.	S.-Cu.	2	Ci.-Cu.	Cu.
10..	NE	NE	NE	NNE	NE	NE	95.6	115.9	169.9	144.8	526.2	6	Ci.-S.	S.-Cu.	5	....	Cu. NNE
11..	NE	NE	NE	NNE	N	NE	171.9	141.1	167.9	164.6	645.5	5	A.-Cu.	S.-Cu.	6	A.-Cu.	Cu.-N. NNE
12..	N	N	NE	NNW	NW	SW	129.7	100.9	142.7	52	425.3	8	Ci.-S.	N.	6	A.-Cu.	Cu.-N. N
13..	N	W	NW	N	N	NW	39.9	38.9	130.1	67.6	276.5	1	Ci.-S.	Cu.	5	A.-Cu.	Cu.
14..	N	ENE	Calm	NE	NE	NE	76.2	33.6	136.3	151.3	397.4	6	Ci.-S.	S.-Cu.	5	A.-Cu.	Cu. NNE
15..	NE	NE	NE	NE	N	N	126.3	116.7	165.1	164.9	573	6	Ci.-S.	S.-Cu.	5	Ci.-S.	Cu.-N. NNE
16..	N	N	N	N	NE	NE	141.4	129.8	127.4	102.2	500.8	7	Ci. S.	Cu.-N.	1	A.-Cu.	Cu.
17..	N	N	NE	NE	NE	NE	116.1	108.6	124.9	119.7	469.3	6	Ci.-S.	S.-Cu.	5	....	Cu.
18..	E	SW	Calm	N	NE	NE	83.9	34.3	131.4	122.9	372.5	7	Ci.-S.	S.-Cu.	5	A.-Cu.	Cu.-N. N
19..	NE	Calm	E	N	NE	ENE	65	24.6	106	118.9	314.5	6	Ci.-S.	Cu.-N. NNE	1	....	Cu.
20..	SE	Calm	E	NW	N	Calm	56.8	35.1	93.5	52.1	237.5	5	Ci.-S.	S.-Cu.	1	....	Cu.
21..	W	SW	NW	NW	NW	SW	55.3	59.3	74.3	57.9	246.8	7	Ci.-S.	S.-Cu.	1	....	Cu.
22..	SW	SW	Calm	NW	N	N	77.9	53.1	121	84.5	336.5	10	Ci.-S.	Cu.-N.	1	....	Cu.
23..	N	SW	NW	NNW	NE	NE	52.6	62.3	125	95.5	335.4	7	Ci.-S.	S.-Cu.	1	....	Cu.
24..	W	E	NW	N	N	NE	27.7	44.5	141.1	102.7	316	5	Ci.-S.	S.-Cu.	1	....	Cu.
25..	NE	ENE	ENE	NE	NE	NE	92	137.2	208.4	248.8	686.4	6	Ci.-S.	Cu.-N.	4	A.-Cu.	Cu. N
26..	NE	NNE	NNE	NE	NE	NE	244.9	236.5	207.1	162	850.5	10	Ci.-S.	Cu.-N. N	6	Ci.-S.	Cu.-N. NNE
27..	NE	ENE	ENE	NNE	N	NE	145.8	118.3	152.9	123.3	540.3	6	....	Cu. NNE	5	Ci.-S.	Cu.-N. NNE
28..	NE	NE	NE	N	NE	NNE	111	112.5	143.5	128.5	495.5	5	....	Cu. NNE	1	....	Cu.
Mean	......	......	......	......	......	......	107.9	97.8	150.6	129.2	485.5	6.3	....	....	3.5	....	....
Total	......	......	......	......	......	......	......	......	......	......	13,593.8	....	....	....	....	....	....

ATIMONAN

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.85	61.36	62.98	60.82	60.58	61.84	61.40	25.2	25	27.9	27.8	26.8	26	26.4	29.4	24.2	97	97	74	90	86	84	88	....
2..	60.21	60.99	62.63	61.24	61.12	62.92	61.52	23.2	20.4	26.9	27.6	26.5	26.1	25.1	29.1	19.8	84	92	68	64	70	74	75.3	1.3
3..	61.31	62.13	63.74	61.83	61.79	63.23	62.34	24.1	25.2	28.8	29	27	26.4	26.8	30.6	23.2	89	86	75	61	76	73	76.7	....
4..	62.28	62.70	63.99	62.14	62.03	63.13	62.71	25.3	23.5	28.8	28.2	27.2	26.1	26.5	29.9	22.4	77	89	63	66	65	65	70.8	....
5..	61.71	62.76	64.03	61.89	61.82	62.83	62.51	24.6	20.8	28.7	28.6	26.8	26.4	26	30.4	20.2	70	93	64	61	68	69	70.8	....
6..	61.79	62.32	63.43	61.40	61.44	62.62	62.17	24.6	21.6	28.5	29.6	26.8	26.4	26.2	30.2	20.8	77	95	64	66	74	76	75.3	....
7..	61.40	62	63.23	61.46	61.04	62.50	61.94	26	25.5	27.9	27.8	26.7	26.2	26.7	28.9	25.1	80	84	73	70	73	75	75.8	....
8..	61.29	62.04	63.07	61.18	61.03	62.45	61.84	26	25.6	28	27.1	26.6	26.4	26.6	28.9	25.1	75	76	63	69	72	73	71.3	2.3
9..	61.58	62.10	62.87	61.01	61.25	62.60	61.90	25.2	24	26.7	27.8	26.2	24.9	25.8	28.2	23.3	79	87	80	76	84	92	83	3.6
10..	61.78	62.28	63.29	61.58	61.12	62.85	62.15	24.3	25.6	28.4	28	26.8	25.5	26.4	30.1	23.5	89	83	74	71	77	82	79.3	....
11..	61.69	62.28	63.66	61.21	61.37	62.58	62.13	25.3	25.5	27.8	28	27	26.6	26.7	29.4	24.8	83	80	73	67	78	80	76.8	....
12..	61.51	62.43	63.89	61.60	61.25	62.65	62.22	25.9	25.5	29	28	26.8	26.4	26.9	30.1	24.9	85	88	75	79	81	82	81.7	....
13..	61.29	62.24	63.82	61.50	61.17	62.48	62.08	25.9	25.8	28.6	28	27	26.4	27	29.8	25.4	75	85	72	69	77	80	76.3	....
14..	61.41	61.70	63.47	61.42	61.54	62.85	62.06	25.5	25.7	29.6	28.2	27	26.7	27.1	31.3	25	82	78	70	72	77	78	76.2	....
15..	61.28	62.06	63.77	61.85	61.46	62.40	62.14	25.8	25.6	28.4	29.7	27.2	26.7	27.2	30.4	25.2	79	83	75	71	73	76	76.2	....
16..	61.48	62.19	63.66	61.37	61.48	62.59	62.13	25.6	25.5	28	27.7	26.8	26.3	26.6	28.8	25	91	84	73	68	74	76	77.7	....
17..	61.62	61.80	63.62	62.03	61.84	63.27	62.36	26.2	25.4	27.5	27.3	26.8	26.6	26.6	28.4	25	79	84	70	68	74	75	75	....
18..	61.70	62.26	63.85	61.90	62.24	64.05	62.67	25.7	25.5	28.8	28.8	27.3	25.7	27	30.7	25	81	84	71	72	73	84	77.5	....
19..	62.60	62.70	64.35	62.53	62.58	63.83	63.10	25.4	25.5	28	30.3	26.6	26.7	27.1	30.9	25	85	88	78	70	86	82	81.5	....
20..	62.38	62.46	63.64	61.41	61.30	62.48	62.28	26	24.5	28	30	27.3	26.9	27.1	31.1	23.9	85	93	80	69	82	80	81.5	....
21..	61	61.20	62.46	60.45	60.63	61.57	61.22	25.4	23	28.7	29.1	27.8	24.7	26.4	31.6	22.5	86	96	73	70	75	87	81.2	....
22..	60.21	60.67	61.93	59.60	59.86	61.32	60.60	23.3	22.5	28.6	31.8	29	25.2	26.7	32.8	21.8	92	96	66	55	70	82	76.8	....
23..	60.11	60.76	61.81	59.73	59.81	60.59	60.47	23.5	21.4	29.4	31.4	29.2	24.6	26.6	32.5	20.8	82	96	74	62	69	87	78.3	....
24..	60.30	60.59	61.34	59.18	59.92	61.12	60.41	23.3	23	28.6	31	28.1	27.5	26.9	31.8	22.4	93	96	82	71	77	72	81.8	....
25..	59.60	60.64	61.64	59.96	60.21	61.93	60.66	23.3	22.2	29.2	28.7	28	27.4	26.5	30.6	21.8	97	95	72	71	76	77	81.3	....
26..	60.89	61.62	62.69	60.54	60.59	61.64	61.33	26.6	26.1	28.8	28.2	27.8	26.9	27.4	29.5	25.7	79	82	69	70	69	74	73.8	....
27..	60.32	60.72	62.11	59.96	59.72	61.29	60.69	26.4	26	28.6	28.2	27.8	27.5	27.4	29.3	25.5	78	82	71	72	72	75	75	....
28..	60.18	60.59	61.98	59.82	60.27	61.72	60.76	26.4	26.3	29.2	28.8	27.6	27	27.6	30.6	25.8	83	86	72	72	76	80	78.2	....
29..	59.79	60.67	61.75	59.72	59.97	61.83	60.62	26.7	26.5	30.8	30.2	27.7	26.9	28.1	31.6	26	82	84	67	60	76	79	74.7	....
30..	60.08	59.95	61.05	58.82	58.83	60.74	59.91	26.3	26.2	30.2	28.4	27.8	27.3	27.7	31.2	25.7	82	83	68	75	71	73	75.3	.3
31..	58.98	59.05	60.39	57.91	58.13	59.99	59.08	26.4	24.4	28.6	30.7	28.6	25.8	27.4	32.2	23.9	80	92	76	68	73	82	78.5	....
Mean	61.05	61.59	62.91	60.87	60.88	62.25	61.59	25.3	24.5	28.5	28.8	27.3	26.3	26.8	30.3	23.8	83.1	87.6	71.8	69.2	75	78.2	77.5	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	ENE	NE	N	NE	NE	125.2	117	145.8	124.9	512.9	1	....	Cu.	1	....	Cu.
2..	NW	W	NE	N	N	NE	38.1	75.1	152	131.6	396.8	2	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu.
3..	E	NE	E	NE	NNE	E	96.6	60.2	176	158.3	491.1	7	Ci.-S.	Cu.-N. NE	1	....	Cu.
4..	E	SE	E	NE	NNE	NE	68.7	85.3	181.5	172.7	508.2	6	Ci.-S.	S.-Cu.	5	A.-Cu.	Cu.
5..	ENE	SW	E	NE	NE	NE	89.1	35.7	111.5	135	371.3	7	Ci.-S.	S.-Cu.	1	Ci.-Cu.	Cu.
6..	ENE	SW	Calm	NNW	NE	NE	72.4	37.2	137.2	127.6	374.4	6	Ci.-S.	S.-Cu.	1	....	Cu.
7..	NE	NE	NE	NEbyN	NE	NE	119.6	146.9	195.7	168.9	631.1	5	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
8..	NE	ENE	ENE	NNE	N	NE	136.9	136.6	174	117.3	564.8	7	Ci.-S.	Cu.-N. NNE	6	A.-Cu.	Cu.-N. NE
9..	NE	N	NE	NE	NE	NE	111.8	111.2	174.8	164.1	561.9	10	Ci.-S.	Cu.-N. NNE	9	Ci.-S.	Cu.-N. NE
10..	NE	NE	NE	NE	NE	ENE	112.7	90.3	165.4	126.6	495	7	Ci.-S.	S.-Cu.	1	....	Cu. NE
11..	E	NE	NE	NE	NE	NE	73.4	123.6	177.3	142.2	516.5	7	A.-Cu.	S.-Cu.	5	Ci.-S.	Cu.-N. NNE
12..	NE	NNE	NW	N	N	N	101.2	89.5	170.3	128.7	489.7	7	A.-Cu.	S.-Cu.	4	A.-Cu.	Cu.
13..	NE	ENE	NE	N	NE	E	104.6	112.5	165.1	144.2	526.4	6	Ci.-S.	Cu.-N.	1	....	Cu.
14..	NE	NE	E	N	NNE	NE	89.9	75.6	131.7	116.1	413.3	6	A.-Cu.	Cu.-N.	1	A.-Cu.	Cu. NE
15..	NE	NE	NE	NNW	N	NE	91.1	71.3	122.9	109.6	394.9	8	Ci.-S.	Cu.-N. NNE	1	....	Cu.
16 .	NE	NE	NE	NE	NE	NE	111.3	122.8	199.8	138.6	572.5	6	Ci.-S.	S.-Cu.	1	....	Cu.
17..	NE	NE	NE	NE	NE	NE	105.4	151.6	172.4	141.9	571.3	8	A.-Cu.	Cu.-N.	5	A.-Cu.	Cu.
18..	NE	NE	Calm	N	N	E	94.3	52	134.2	122.3	402.8	3	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
19 .	NE	NE	NE	NW	N	N	80.5	70	145.3	122.8	418.6	7	Ci.-S.	Cu.	5	Ci.-S.	Cu.
20..	NE	NW	NE	NW	NNE	NE	56.1	44.3	129.7	135.6	365.7	5	Ci.-S.	Cu.-N.	1	A.-Cu.	Cu.
21..	NE	SW	E	NW	NE	W	53.3	47.2	108.6	48	257.1	2	Ci.-S.	S.-Cu.	5	A.-Cu.	Cu.-N.
22..	W	W	NE	NE	N	Calm	45.6	49.1	79.7	53.1	227.5	7	Ci.-S.	S.-Cu.	1	....	Cu.
23..	W	W	E	NE	N	W	78.3	53.3	72.7	53.3	257.6	1	....	S.-Cu.	1	....	Cu.
24..	W	W	W	NW	N	NE	71.4	47.7	121.5	93	333.6	5	Ci.-S.	Cu.-N.	1	....	Cu.
25..	NW	W	NW	N	N	N	65.5	85.1	137.1	127.1	414.8	5	Ci.-S.	S.-Cu.	1	A.-Cu.	Cu.
26..	ENE	ENE	NE	NE	NNE	NE	147.7	160.6	210.6	176.2	695.1	5	Ci.-S.	Cu.	1	....	Cu.
27..	NE	NE	NE	N	N	NE	132.3	110.4	151.4	120.9	515	8	Ci.-S.	Cu.-N. NE	1	....	Cu.
28..	NE	NE	N	N	NE	NE	77.9	73.4	150.3	116.7	418.3	6	Ci.-S.	Cu.-N. NNE	1	....	Cu.
29..	NE	ENE	E	NE	N	NE	125.8	70.3	160.4	144.8	501.3	7	Ci.-S.	S.-Cu.	5	A.-Cu.	Cu.-N. NE
30..	NE	NE	Calm	NE	NE	NE	121.5	61.2	117.3	113.7	413.7	5	Ci.-S.	Cu.-N. NE	5	A.-Cu.	Cu.-N.
31..	NE	SW	N	N	N	NW	61.7	50.7	100.9	48.1	261.4	8	Ci.-Cu.	S.-Cu.	1	....	Cu.
Mean	......	......	......	......	......	......	92.3	84.4	147.5	123.4	447.6	5.8	....	....	2.5	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	13,874.6	....	....	....	....	....	....

ATIMONAN

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, −1.74 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.91	59.85	61.28	58.90	59.24	60.98	59.86	23.7	23.4	28.2	30.5	28.8	25.9	26.8	31.6	22.9	96	97	83	76	79	91	87	......
2..	59.49	60.04	62.03	60.23	60.44	61.48	60.62	24.4	23.7	26.2	30.2	28.2	25.8	26.4	30.6	23.2	95	97	94	78	74	89	87.8	..48.5
3..	59.78	60.24	61.49	58.87	58.79	60.20	59.90	25.3	24.2	27.8	29.6	28	27	27	30.1	23.6	89	98	83	75	77	83	84.2	5.8
4..	58.93	59.75	60.64	59.05	59.08	60.62	59.68	26.4	24.5	28.6	30.2	28	25.7	27.2	31.8	23.7	87	96	81	71	77	89	83.5	.3
5..	60.49	60.69	61.41	59.33	59.80	61.32	60.51	24.4	24	29.2	31.2	28.9	25.7	27.2	32.1	23.5	97	97	76	66	71	88	82.5	......
6..	60.50	60.73	61.77	59.85	60.39	61.78	60.84	24	23.5	30.2	31.2	28	27.6	27.4	32.4	23	93	96	68	71	77	76	80.2	......
7..	60.30	60.73	61.49	59.27	59.39	60.49	60.28	26.4	23.7	29.4	30.4	28	27.6	27.6	32.2	23.1	83	95	72	72	77	74	78.8	......
8..	58.90	59.54	60.36	58.27	58.84	60.02	59.32	25.9	24.2	29.4	30.1	28.2	28	27.6	31.7	23.8	82	91	71	71	76	77	78	......
9..	57.99	58.55	59.75	58.02	59.08	59.12	58.75	27.3	26.6	29.2	29.2	23.8	26.7	27.1	31.6	23	82	87	76	77	95	85	83.7	18.1
10..	57.61	58.19	59.66	57.15	57.94	59.29	58.31	25.5	24.5	30.4	31.4	29.6	28.9	28.4	33.3	24.1	93	99	77	68	77	80	82.3	......
11..	57.99	58.44	59.70	57.39	57.79	59.37	58.45	27.6	26	30.1	27.9	27.2	26.1	27.5	30.8	24.4	88	96	79	88	87	89	87.8	17
12..	58.42	58.71	59.76	57.62	57.97	59.39	58.64	24.3	24.3	30.4	32.5	29.1	27.6	28	33.7	23.7	99	98	72	54	78	81	80.3	......
13..	58.20	59.12	60.27	57.81	57.92	59.81	58.86	24.4	23	29.8	31.6	28.8	28.1	27.6	33.4	22.5	93	97	73	65	73	77	79.7	......
14..	58.59	59.06	60.56	58.53	58.88	60.79	59.40	25.6	24	30.5	31.2	28.8	27.9	28	32.5	23.6	93	97	68	65	68	77	78	......
15..	59.28	59.94	60.95	59.04	59.24	61.18	59.94	25.4	24.5	30.8	31.4	29	28.3	28.2	32.5	24.1	91	96	72	67	74	78	79.7	......
16..	59.72	60.48	61.08	59.15	59.28	60.67	60.06	25.6	24.7	30.8	31.2	28.7	28.2	28.2	31.9	24.2	90	95	71	61	72	74	77.2	......
17..	58.89	59.64	60.78	58.70	58.87	60.26	59.52	26.4	24	30.8	30.6	28.8	28.2	28.1	32.6	23.6	84	96	65	71	74	77	77.8	......
18..	58.70	59.12	60.58	58.54	58.69	60.13	59.29	26	25	30.6	31.6	28.6	28	28.3	33.3	24.1	88	92	70	70	80	82	80.3	16.5
19..	59.69	60.30	61.68	60.18	60.13	61.81	60.63	27.5	27	30.1	29.8	28.5	28	28.5	32.5	26.5	86	88	73	74	78	79	79.7	......
20..	61.10	61.35	62.53	60.71	60.73	62.58	61.50	27.5	27.2	28.9	29.5	28.5	27.9	28.2	30.9	26.8	81	83	72	72	74	79	76.8	......
21..	61.58	61.94	62.32	59.76	60.09	61.87	61.26	27.3	26.9	30.7	30.1	28.4	27.9	28.6	31.8	26.4	78	78	64	68	72	77	72.8	......
22..	60.78	60.98	61.22	59.47	59.43	60.76	60.44	26.5	24	30.4	30.4	28.8	28.3	28.1	32.2	23.5	84	96	68	66	77	80	78.5	......
23..	60.38	61.39	61.80	59.71	59.92	61.48	60.78	27.7	25.9	31	32.1	29.1	28.3	29	32.8	25.3	84	93	69	60	66	75	74.5	......
24..	60.39	61.54	62.13	60.02	60.16	62.12	61.06	24.6	23.8	30	32	29	28.1	27.9	32.7	23.3	91	94	67	64	68	74	76.3	......
25..	60.91	61.12	61.85	59.59	59.68	61.43	60.76	26.8	24.3	30.3	30	28.6	26.7	27.8	32.8	23.9	80	93	66	65	74	83	76.8	16
26..	59.71	59.89	60.95	58.95	58.86	60.32	59.78	24.4	23.5	30	31.4	29.8	28.1	27.9	32.1	23.1	93	97	75	68	65	72	78.3	......
27..	59.02	59.64	60.25	57.90	58.02	59.26	59.02	24.4	23.7	30.4	31.5	29.6	28.8	28.1	32.3	23.2	93	95	72	57	71	75	77.2	......
28..	58.40	58.99	59.75	57.74	57.93	59.24	58.68	25.3	25	31.2	31.5	29.8	25.8	28.1	32.6	24.3	93	96	65	73	66	85	79.7	......
29..	58.30	59.29	60.35	58.36	58.98	60.14	59.24	24.6	25	30.2	32	29.2	28.7	28.3	32.7	24	91	92	66	64	73	76	77	......
30..	59.32	59.95	60.90	58.82	58.63	59.91	59.59	25.4	24.7	31.6	30.4	29	28.2	28.2	33.4	24.3	92	95	67	63	74	77	78	......
Mean	59.41	59.97	60.98	58.90	59.14	60.59	59.83	25.7	24.6	29.9	30.8	28.6	27.5	27.8	32.2	24	89	94	72.5	68.7	74.8	80	79.8	......
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	122.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	W	W	N	NE	NE	W	78.9	54.1	65.8	43.5	242.3	7	A.-Cu.	S.-Cu.	2	Ci.-S.	Cu.-N.
2..	W	W	Calm	NW	N	NW	70	63.6	84.3	42.8	260.7	7	Ci.-S.	Cu.-N.	5	Ci.-S.	Cu.-N.
3..	NW	NW	W	WNW	N	N	49.4	75.3	124.5	65.5	314.7	9	Ci.-S.	Cu.-N.	3	Ci.-S.	Cu.
4..	N	S	SSW	WbyN	WbyN	Calm	53.3	45.9	85.6	38.3	223.1	9	Ci.-S.	Cu.-N.	5	Ci.-S.	Cu.-N.
5..	W	WSW	NNW	N	NbyW	N	53.7	32.2	90.6	51.5	228	8	Ci.-S.	S.-Cu.	1	Ci.-Cu.	Cu.
6..	N	WSW	NEbyN	N	N	N	66.3	41.8	103	107.2	318.3	6	Ci.-S.	S.-Cu.	1	....	Cu.
7..	N	NW	Calm	NW	NWbyN	NWbyN	57.7	34.1	163.9	146.9	402.6	5	Ci.-S.	S.-Cu.	1	A.-Cu.	Cu.
8..	NW	Calm	Calm	NW	N	N	64.6	39.4	147.8	124.4	376.2	6	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu. N
9..	NNW	NbyE	NEbyN	N	ENE	N	107.6	85.5	143	82.7	418.8	8	Ci.-S.	Cu.-N.	6	Ci.-S.	Cu.-N. NNE
10..	Calm	S	NE	N	NE	NE	44	38.8	67.6	70.3	220.7	8	A.-Cu.	S.-Cu.	5	Ci.-S.	Cu.-N.
11..	NE	NW	NE	NW	Calm	NW	49.1	41	59.5	22.8	172.4	6	Ci.-S.	Fr.-Cu.	6	Ci.-S.	Cu.-N.
12..	S	SbyW	NE	N	NEbyN	Calm	61.4	48.3	88.3	47.7	245.7	7	Ci.-S.	S.-Cu.	1	....	Cu.
13..	S	S	NE	N	N	NNE	59	46.7	80.2	102.7	288.6	5	Ci.-S.	S.-Cu.	1	....	Cu.
14..	Calm	SbyW	NE	NW	N	N	42.4	46.7	122.8	90.3	302.2	5	Ci.-S.	Cu.	1	Ci.	Cu.
15..	Calm	W	NbyE	NW	N	N	23.9	41.6	102	83.4	250.9	7	A.-Cu.	S.-Cu.	1	A.-Cu.	Cu.
16..	SW	SW	Calm	N	N	N	48	38.8	124.1	126.5	337.4	3	Ci.-S.	Cu.	1	....	Cu.
17..	NE	NWbyW	Calm	NE	EbyN	EbyN	58.9	26.8	126.1	108.1	319.9	5	Ci.-S.	S.-Cu.	1	A.-Cu.	Cu.
18..	Calm	N	SE	EbyN	SEbyE	SE	33	32.5	85.5	108.3	259.3	8	Ci.-S.	S.-Cu.	4	A.-Cu.	Cu.-N.
19..	SE	NE	Calm	N	NNE	NE	82.1	33.3	135.2	124.2	374.8	8	Ci.-S.	S.-Cu.	7	A.-Cu.	Cu.-N. N
20..	NE	NE	NE	NNE	NE	NE	118.8	92.8	164.7	149.1	525.4	6	A.-Cu.	Cu.	2	....	Cu.
21..	NE	NE	ENE	N	N	NE	117.7	54.2	130.7	125.8	428.4	7	Ci.-S.	Cu.	3	....	Cu.
22..	NE	SSW	Calm	NNE	NEbyN	N	38.9	29.8	119.3	114.6	302.6	6	A.-Cu. E	Cu.	5	Ci.-S.	Cu.-N. N
23..	N	Calm	Calm	WbyN	NNE	N	61.4	42.1	136.2	118.6	358.3	8	Ci.-S.	Cu.-N. ENE	3	....	Fr.-Cu.
24..	W	WSW	Calm	NW	N	N	48.1	33.8	150	121.7	353.6	3	Ci.-S.	Cu.	1	....	Cu.
25..	N	Calm	Calm	N	N	NW	59.8	42.9	132.5	66.5	301.7	5	Ci.-S.	Cu.-N. NNE	6	Ci.-S.	Cu.-N. N
26..	S	SbyW	NW	NW	N	N	51.3	72.7	116.1	71.3	311.4	1	....	Cu.	1	....	Cu.
27..	S	SbyW	N	NW	N	NE	66.3	46.1	121.2	59.3	292.9	2	Ci.-S.	S.-Cu.	1	....	Cu.
28..	Calm	WSW	ENE	NW	NNE	W	35.1	57.3	117.2	52.8	262.4	6	Ci.-S.	Cu.-N.	1	Ci.-S.	Cu.
29..	WSW	NNE	N	NW	N	NE	51.8	62.8	142.7	87.1	344.4	8	A.-Cu. E	Cu.-N.	1	....	Cu.
30..	WSW	SW	E	N	N	NNE	47	47.8	125	109.7	339.5	7	Ci.-S.	S.-Cu.	1	....	Cu.
Mean	......	......	......	......	......	......	60	48.3	115.5	88.8	312.6	6.2	....	....	2.6	....	....
Total	......	......	......	......	......	......	......	......	......	......	9,377.2	......	....	....	......	....	....

ATIMONAN

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.18	59.99	60.27	58.52	58.70	60.12	59.46	26.7	26.1	31.3	31.8	29	28.4	28.9	32.6	25.4	85	84	65	61	76	79	75	....
2..	59.52	60.07	60.51	58.59	58.48	60.83	59.67	28	27.9	31	32.1	29.2	28.6	29.5	33.1	27.3	80	82	69	64	70	73	73	....
3..	59.92	59.82	60.57	58.73	59.22	60.64	59.82	27.1	27.5	30.4	30.5	28.9	28.6	28.8	31.2	26.8	83	81	70	62	72	73	73.5	....
4..	59.39	59.83	60.50	59.21	59.36	61.06	59.89	27.8	27.5	30.2	30.2	29	28.7	28.9	31	27	76	77	67	70	76	76	73.7	....
5..	60.21	60.52	61.71	59.92	60.14	61.38	60.65	27.8	27.3	31.2	30.6	29	28.6	29.1	33.1	26.8	78	80	65	69	78	78	74.7	....
6..	60.32	60.70	61.42	59.50	59.79	61.08	60.47	27.9	27.6	33	30.2	29.2	28.8	29.4	33.1	27.1	79	80	61	70	76	76	73.7	....
7..	59.60	60.03	60.91	59.01	58.81	59.89	59.71	27.7	27.5	30.8	30.8	29.8	29.2	29.3	33.1	26.8	81	79	69	68	66	72	72.5	....
8..	58.98	59.29	59.90	58.47	58.95	60.22	59.30	27.3	25.7	31.4	31.2	29.8	29.2	29.1	33.1	25.2	84	90	67	63	66	70	73.3	....
9..	59.28	59.70	60.16	58.42	58.53	60.04	59.36	27.2	25.2	30.4	32.2	29.6	29.1	29	33.2	24.8	81	92	69	67	74	74	76.2	....
10..	58.72	58.90	59.91	57.98	57.82	58.69	58.67	27.6	26.6	31.8	31.4	29	28.3	29.1	34.1	25	83	89	64	63	76	78	75.5	....
11..	57.91	58.20	58.73	56.64	56.86	59.11	57.91	24.9	24.2	31.4	32.8	29.9	27	28.4	33.6	23.9	94	94	68	62	71	81	78.3	....
12..	57.11	58.07	59.06	56.76	57.29	58.76	57.84	25.9	25	31.1	31.4	26.8	25.7	27.7	33.8	24.5	87	92	75	66	75	85	80	....
13..	58.32	58.35	58.87	57.04	57.01	59.08	58.11	24.5	24.7	31.8	32.8	29.9	29.4	28.8	33.8	24	96	96	67	67	75	75	79.3	....
14..	57.52	58.29	58.51	57.32	56.57	58.78	57.83	27.4	24.6	31.2	29.8	29.4	26.9	28.2	32.7	24.1	77	87	75	76	75	80	78.3	24.6
15..	58.02	57.44	57.91	56.26	56.37	57.88	57.31	24.7	24.6	31	32.8	29.8	27.3	28.4	33.8	24.1	95	96	75	63	69	85	80.5	....
16..	56.72	56.92	58.01	56.34	56.11	58.37	57.08	25.1	25.1	29.8	30.8	30.2	27.3	28	32.1	24.7	96	96	76	72	75	87	83.7	.5
17..	57.28	57.14	57.93	55.35	56.31	57.82	56.97	25.7	25.3	30.2	33	31	28	28.9	34.2	24.9	95	96	82	67	65	80	80.8	....
18..	56.21	56.79	57.42	55.50	56.05	57.56	56.59	26.1	25.5	31.6	34.2	30.8	28.2	29.4	35.2	25	93	93	72	54	67	80	76.5	....
19..	57.20	57.66	58.10	55.89	56.66	58.59	57.35	26.5	26	31.6	33.2	31	26.9	29.2	34.8	25.4	92	92	63	63	64	79	75.5	3
20..	57.92	58.64	58.87	57.03	57.66	59.29	58.24	25.1	24.6	29.6	33.2	30	27.7	28.4	34.2	24.3	92	95	75	56	69	82	78.2	....
21..	58.68	58.84	59.65	57.65	57.74	60.14	58.78	26	25.1	30.8	33	31.2	28.6	29.1	34.5	24.7	92	95	83	67	67	79	80.5	....
22..	58.60	58.61	59.47	57.40	58.07	59.02	58.53	26.7	25.4	30.3	33.6	30.7	29.8	29.4	34.3	25	89	93	78	66	74	74	79	....
23..	57.69	58.67	59.49	57.04	58.01	59.12	58.34	26.9	24.9	31.4	33.5	30.6	27.5	29.1	34.7	24.4	86	92	65	57	70	84	75.7	....
24..	58.11	58.44	59.40	57.12	57.80	58.97	58.31	25	24.8	31.9	33.9	30.2	27.4	28.9	34.8	24.4	93	92	71	62	74	87	79.8	....
25..	57.99	58.40	59.37	57.42	57.91	58.88	58.33	26.5	26.5	31.8	27.8	30	27.3	28.3	33.5	26	92	92	71	82	68	82	81.2	.3
26..	57.61	57.70	58.47	56.27	56.67	58.27	57.50	25.8	25.6	28.5	32.9	31.3	28	28.7	33.3	25	93	95	86	70	65	79	81.3	17.8
27..	56.90	56.81	57.30	55.33	55.82	57.59	56.62	26.1	26	31	32.7	30	26.5	28.7	33.3	24.9	92	92	71	67	73	88	80.5	4.8
28..	56.31	56.44	57.68	55.26	55.95	57.60	56.54	25	25	29.3	31.8	29.7	27.7	28.1	34	24.5	96	95	79	70	70	81	81.8	.3
29..	56.71	56.86	57.71	56.57	56.53	58.66	57.17	26.1	26.1	30.5	27.1	27.1	26	27.2	31.8	25.1	92	87	76	86	90	96	87.8	3.6
30..	57.49	57.69	58.35	56.81	56.73	59.05	57.69	25	25	30.8	30.5	30	26.9	28	33.2	24.6	97	96	75	74	75	88	84.2	8.1
31..	58.58	58.82	59.77	58.56	57.82	59.32	58.81	26.7	25.5	29.6	30.5	28.5	26.5	27.9	31.3	25	90	94	77	77	85	92	85.8	.8
Mean	58.19	58.50	59.22	57.35	57.60	59.22	58.35	26.3	25.8	30.9	31.7	29.7	27.9	28.7	33.4	25.2	88.4	90.1	71.8	67.1	72.5	80.4	78.4	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	63.8

Day.	Wind. Direction.						Wind. Total movement in 6 hours.				Total movement in 24 hours.	Clouds. 6 a. m.			Clouds. 2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	ENE	ENE	NW	N	NW	34	37.6	131.5	98.2	301.3	3	....	Cu.	1	Ci.-S.	Cu.
2..	N	NNE	Calm	NW	N	NE	68.7	49.7	143.2	110	371.6	6	Ci.-S.	Cu.-N. NNE	1	....	Cu.
3..	NNE	NE	NNE	N	NNE	NNE	72.1	129.8	237.3	193.6	632.8	3	Ci.	Cu.	2	Ci.-S.	Cu.
4..	NE	NE	NNE	N	N	N	133.8	113.7	195.3	166.5	609.3	2	Ci.-S.	Cu.	3	A.-Cu.	Cu.
5..	NE	NE	Calm	N	NNE	NNE	113	44.9	181.5	187.2	526.6	2	Ci.-S.	Cu.	5	A.-Cu.	Cu.-N.
6..	NNE	NE	E	N	N	NE	107.5	65	194.2	175.2	541.9	1	....	Cu. NNE	5	....	Cu.
7..	N	NE	NNE	NNW	N	NNE	102.5	90.6	138.1	116.1	447.3	7	Ci.-S.	Cu.	5	A.-Cu.	Cu.-N.
8..	NE	Calm	Calm	NNW	N	NE	82.6	29.5	127.3	129.3	368.7	3	Ci.-S.	Cu. N	1	Ci.	Cu.
9..	NE	Calm	NNE	NW	NNE	NE	51.5	31.4	124.9	125.3	333.1	1	....	Cu.	1	Ci.-S.	Cu. N
10..	NE	Calm	NE	NW	ESE	ENE	50.7	40	103	37.3	231	3	Ci.-S.	Cu. E	5	Ci.-S.	Cu.-N.
11..	SW	SW	ENE	ENE	NE	SW	62.8	64.6	81.6	49.3	258.3	1	Ci.-S.	Cu.	3	....	Cu. ESE
12..	SW	SW	NE	W	SW	SW	49.9	32.2	60.2	76.6	218.9	7	Ci.-S.	Cu.	3	A.-Cu.	Cu.-N.
13..	SW	W	ENE	NW	NE	N	58.7	61.4	82.3	76.7	279.1	6	Ci.-S.	Cu.-N.	5	Ci.-S.	Cu.-N.
14..	NW	SW	N	N	Calm	SW	65.5	69	39.6	51.2	225.3	5	Ci.-S.	Cu.	6	Ci.-S.	Cu.-N.
15..	SW	SW	E	NE	SW	SW	75.9	47.8	63.1	67.3	254.1	9	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.-N.
16..	SW	SW	N	NW	Calm	SW	73.5	48.8	49.4	43.5	215.2	8	Ci.-S.	Cu.-N.	7	Ci.-S.	Cu.-N.
17..	SW	SW	NE	NE	W	SW	62.2	42.1	43.8	43.1	191.2	8	Ci.-S.	Cu.-N.	5	Ci.-S. NW	Cu.-N. SSW
18..	SW	SW	NE	SE	S	SW	61	55.7	74.2	37	227.9	8	Ci.-S.	S.-Cu.	2	Ci.	Cu.
19..	SW	SW	SW	SE	S	Calm	48.9	58.7	67	57.3	231.9	9	Ci.-S.	Cu.-N.	5	Ci.-S.	Cu.-N.
20..	SW	SW	S	SW	SW	SW	52.8	62.6	72.1	54.2	241.7	10	Ci.-S.	Cu.-N.	5	A.-Cu.	Cu.-N. S
21..	SW	SW	NE	NE	S	SW	61.7	47.2	45.7	40.7	195.3	8	Ci.-S.	S.-Cu.	5	Ci.	Cu.-N.
22..	Calm	SW	NW	NW	N	NE	65.2	53.6	100.4	100.3	319.5	8	Ci.-S.	Cu.	7	Ci.-S.	Fr.-Cu.
23..	N	SW	NE	NW	N	SW	56.8	43.8	98.7	67.8	267.1	3	Ci.-S.	Cu.	3	Ci.	Fr.-Cu.
24..	SW	SW	NE	NE	SW	SW	72.2	41	58.4	46.9	218.5	4	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N.
25..	SW	SW	NE	SW	SW	SW	64.2	51	58.9	55.5	229.6	10	Ci.-S.	S.-Cu.	7	A.-Cu.	Cu.-N.
26..	SW	SW	Calm	NW	SW	SW	69.7	38.3	63.9	55.7	227.6	7	Ci.-S.	Cu.	7	Ci.-S.	Cu.-N.
27..	SW	Calm	N	NW	SW	S	50.7	42.6	60.2	39.7	193.2	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
28..	SW	SW	SW	E	S	SW	70	42.4	103.3	40	255.7	7	Ci.-S.	S.-Cu.	7	A.-Cu.	Cu.
29..	SW	S	E	SW	SW	SW	48	56.1	61.4	48	213.5	8	Ci.-S.	Cu.-N. SSE	9	Ci.-S.	Cu.-N. ESE
30..	SW	SW	NE	NE	NE	SW	56.5	49.1	96.8	90.1	292.5	10	Ci.-S.	Cu.	8	Ci.-S.	Cu.-N. E
31..	NW	SW	N	N	Calm	SW	72.2	47.2	45.6	39.9	204.9	9	Ci.-S.	Cu.-N. WNW	10	Ci.-S.	Cu.
Mean	......	......	......	......	......	......	68.2	54.4	96.9	81.3	300.8	6	....	....	5	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	9,324.6	....	....	....	....	....	....

ATIMONAN

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.01	59.42	60.10	58.06	58.08	58.93	58.93	25.7	25.5	30	32.4	29.8	29.4	28.8	32.7	25	95	96	78	71	78	78	82.7	......
2..	57.98	58.11	58.36	56.77	57.01	58.21	57.74	28	25.6	31.6	31	27.3	28.8	28.7	32.9	25.1	84	95	68	66	86	83	80.3	0.3
3..	57.29	57.39	58.11	56.16	56.77	58.33	57.34	28	28	31	32.2	30.4	29.7	29.9	32.9	27.6	83	83	70	64	67	68	72.5	......
4..	56.81	57.45	57.89	56.33	56.66	58.09	57.20	26	24.9	30.1	33.1	30.8	27	28.6	33.6	24.5	89	92	74	60	64	78	76.2	......
5..	57.42	58.19	58.86	57.04	57.37	59.19	58.01	25.4	24.5	31.5	33.4	30.4	27.9	28.8	34.6	24	88	93	73	62	63	78	76.2	.5
6..	58.21	59.14	59.26	57.59	58.41	58.88	58.58	26	26	30.8	32.9	30.6	29	29.2	33.8	25.5	94	93	76	67	71	79	80	52.3
7..	58.79	59.85	59.83	57.74	58.19	59.22	58.94	26.7	24.8	30.1	31.8	30.1	29.8	28.9	32.1	24.2	91	94	78	73	75	74	80.8	19.8
8..	57.91	58.48	59.06	57.97	57.55	57.67	58.11	28.8	27	30.4	27.8	27.7	26.7	28.1	31.3	24.8	78	87	79	82	79	82	81.2	35.1
9..	56.36	55.26	55.14	52.82	50.82	51.27	53.61	26.6	25.1	27.6	27.1	27.6	26.8	26.8	28.4	24.4	82	96	87	94	83	92	89	175.9
10..	49.82	53.42	54.91	54.52	54.53	55.54	53.79	25.4	25	26.2	26.8	25.6	26.7	26	27	24	90	92	92	86	88	87	89.2	15.8
11..	54.69	55.15	55.94	54.55	54.67	56.62	55.27	26.4	25.5	26.6	27.5	26.8	25.6	26.4	27.8	24.9	93	96	87	83	83	89	88.5	11.7
12..	55.41	55.44	56.34	55.01	55.19	57.18	55.76	26.4	26.6	30	31.1	29.2	28	28.6	32	25.1	86	87	68	66	73	79	76.5	......
13..	56.19	56.36	57.01	55.90	56.13	57.43	56.50	27.5	27.5	30.9	31.5	29	28.3	29.1	33.1	27	81	79	67	66	76	78	74.5	......
14..	56.52	56.95	56.71	55.99	55.87	57.93	56.66	27.3	25.4	31.2	31.8	30.4	28	29	32.8	24.8	85	93	66	61	66	76	74.5	2.3
15..	57.11	57.68	57.66	56.24	56.35	57.99	57.17	25.1	24.5	31.1	32.7	31	27.9	28.7	33.2	24	92	96	69	58	63	76	75.7	.3
16..	57.08	57.79	58.70	57.29	57.37	58.35	57.76	26	25.1	30.9	32.1	30.6	28.1	28.8	33.6	24.6	89	95	66	57	64	77	74.7	.3
17..	57.61	58.44	58.86	57.08	57.25	58.30	57.92	26	24.9	31.8	32.8	31	27.8	29.1	33.7	24.5	94	94	59	53	62	77	73.2	......
18..	57.41	57.62	57.94	56.19	57.01	57.78	57.32	25.1	24.2	31.5	31.9	29.2	27.1	28.2	33.8	23.8	92	94	62	67	70	78	77.2	......
19..	56.01	56.85	57.37	55.79	56.19	57.71	56.65	24.3	24	31.7	31.8	29.5	26.6	28	32.6	23.5	92	91	69	65	71	81	78.2	......
20..	56.38	57.27	57.94	56.48	57.23	58.26	57.26	24.6	23.9	30	29.8	28.4	26.4	27.2	30.6	23.3	91	92	64	70	77	84	79.7	......
21..	57.81	58.08	58.47	57.07	57.45	59.47	58.06	24.2	24	30.9	32.6	31.4	28.1	28.5	34	23.5	97	96	57	52	61	75	73	......
22..	58.60	58.76	58.50	57.54	57.61	58.64	58.28	24.6	24.9	31.5	31.9	29.8	27.2	28.3	32.7	24	89	84	60	62	67	73	72.5	......
23..	57.59	58.31	58.59	57.07	57.63	58.55	57.96	25.4	24.3	31.4	32.6	28.5	27.2	28.2	33.3	23.9	80	83	65	57	81	81	74.5	1.8
24..	57.70	57.77	58.19	56.94	56.88	58.15	57.60	24.6	24	31.2	29.2	30.3	26.6	27.6	32.6	23.5	94	95	67	78	68	82	80.7	.5
25..	56.80	57.41	57.09	55.41	54.91	56.58	56.37	25	24.5	31.6	31.2	30.6	27.4	28.4	33.4	24	88	91	66	69	69	79	77	3.3
26..	55.50	55.69	56.09	54.56	55.11	56.69	55.61	26.2	25.1	28.4	29.1	27.5	26.5	27.1	29.4	24.4	83	91	75	70	81	83	80.5	10.7
27..	56	56.75	57.10	56.36	56.56	58.79	56.93	24.1	23.7	28.8	30.8	29.8	27.9	27.5	32.2	23.2	97	97	73	64	66	77	79	......
28..	58.41	58.70	59.38	58.08	58.14	60.13	58.81	26.3	24.8	30.6	32.6	31.5	28.2	29	34	24.2	84	93	65	64	68	75	74.8	......
29..	59.60	59.79	59.78	57.99	57.83	58.97	58.99	24.9	24.6	30.2	31.8	30.5	27.4	28.2	33.2	24.2	95	95	74	69	71	81	80.8	......
30..	57.52	57.60	57.41	56.14	55.52	55.71	56.65	25.3	24.7	29.1	29.5	28.7	25.7	27.2	31.4	24	89	90	69	75	77	91	81.8	.5
Mean	56.98	57.50	57.89	56.42	56.54	57.82	57.19	25.9	25.1	30.3	31.1	29.5	27.6	28.2	32.3	24.4	88.8	91.8	70.8	67.7	72.3	79.7	78.5	......
Total	.....	.....	.....	.....	.....	.....	......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	331.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SW	SW	N	NW	NE	NE	44.3	48.8	123.1	106.7	322.9	7	A.-Cu.	Cu.-N. NW	3	Ci.-S.	Cu.
2..	NE	E	N	N	SW	NE	51.7	33.8	72.7	89.1	247.3	7	A.-Cu.	Cu.	6	Ci.-S.	Cu. ESE
3..	NE	NE	NW	NW	N	N	87.1	84.3	114.5	78.9	364.8	7	Ci.-S.	Cu.	1	Ci.	Cu.
4..	NE	SW	NE	NW	N	SW	60.4	48.9	86.1	61.7	257.1	7	Ci.-S.	Cu.	1	Ci.-S.	Cu.
5..	SW	SW	N	N	S	SW	83.4	42.3	66.6	41.6	233.9	5	Ci.-S.	S.-Cu.	5	Ci.-S.	Fr.-Cu.
6..	SW	SW	NW	NW	NE	E	57.6	58.2	106.2	50.7	272.7	8	A.-Cu.	Cu.	5	Ci.-S.	Cu.
7..	E	SSE	W	NW	W	N	61.5	76.6	123.1	118.3	379.5	10	Ci.-S.	N.	6	Ci.-S.	Cu.-N.
8..	N	WNW	NW	NE	NNW	NNW	73.2	99.3	103.5	82.1	358.1	8	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	Cu.-N. NNE
9..	N	WSW?	N	NNW	NNW	N	70.3	145.3	315.4	429.6	960.6	10	....	N. WNW	10	....	Cu.-N. N
10..	SSE	SE	S	SE	SSE	SSE	178.6	106.8	86.3	87.7	459.4	10	....	N.	10	Ci.-S.	Cu.-N. S
11..	SE	SSE	S	S	SSE	SW	72.2	51.8	68.7	42.6	235.3	10	Ci.-S.	Cu.-N. S	9	Ci.-S.	Cu.-N. S
12..	SSE	SSE	SbyW	S	SSE	SSE	32.2	75.9	103.6	87.7	299.4	10	Ci.-S.	Cu.-N. SE	8	Ci.-S.	Cu.-N. S
13..	SSW	SSW	S	SSW	S	S	63.3	81.6	92.3	90.7	327.9	6	Ci.-S.	Cu.-N.	8	Ci.	Cu.-N. SSE
14..	S	SSW	SE	S	S	SW	35.9	79.5	97.4	56.5	269.3	6	Ci.-S.	Cu. SW	5	Ci.-Cu.	Cu.-N. S
15..	SSW	SW	SW	SW	SSW	SW	63.4	57.3	75.4	41.5	237.6	8	Ci.-S.	Cu.-N.	5	Ci.-S.	Cu.-N.
16..	Calm	SW	SW	SW	SW	Calm	52.1	51	70	36.4	209.5	10	Ci.-S.	Cu.-N. S	6	A.-Cu.	Cu.-N. SW
17..	SW	SW	S	SW	Calm	SW	37.3	40	65.7	24.9	167.9	6	Ci.-S.	Cu.	1	....	Cu.
18..	SW	SW	SW	NW	WbyS	SW	50.2	44.6	58.4	27.7	180.9	1	Ci.-S.	Cu.	6	Ci.-S.	Cu. SSW
19..	SW	SW	ENE	SSW	SW	SSW	69.5	53.3	72.4	51.3	246.5	7	A.-Cu.	S.-Cu.	6	Ci.-S.	Cu.-N.
20..	SW	SW	W	S	Calm	SSE	69.7	49.6	51.8	34.1	205.2	10	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.-N.
21..	S	SW	SW	SW	S	SSW	54.1	58.7	69.2	28.2	210.2	1	....	Cu.	1	....	Cu. SW
22..	S	Calm	S	S	S	SSW	47.7	60.7	92.7	41.3	242.4	2	A.-Cu.	Cu.	5	A.-Cu.	Cu.-N.
23..	S	SW	NNE	SW	SW	SW	44	41.5	57.1	58.7	201.3	8	A.-Cu.	S.-Cu.	1	Ci.-S.	Cu.-N.
24..	SSW	SW	SW	Calm	Calm	SW	75.9	71	46.1	45.1	238.1	7	Ci.	S.-Cu.	6	Ci.-S.	Cu.-N.
25..	SSW	SW	NW	NW	Calm	SSW	70.5	45.9	32.4	44.1	192.9	2	A.-Cu.	Cu.	7	Ci.-S.	Cu.-N. W
26..	SSW	SW	SW	SW	S	Calm	64.4	61.8	76.2	42	244.4	10	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.-N.
27..	Calm	SW	SSE	SSE	S	SSE	43.2	58.1	99.3	56.3	256.9	10	Ci.-S.	Cu.-N. S	5	Ci.-S.	Cu.-N. S
28..	S	SSW	S	E	E	ESE	37.5	51.7	64.1	63.8	217.1	2	Ci.-S.	Cu.	5	Ci.-S.	Cu. S
29..	SE	Calm	NW	N	NNE	NNE	65.2	70.3	81.9	51.2	268.6	2	Ci.-S.	S.-Cu.	1	A.-Cu.	Cu.
30..	SSW	SW	NW	NNW	W	SW	70.6	64.6	40.2	62	237.4	7	Ci.-S.	Cu.-N.	6	Ci.-S.	Cu.-N.
Mean	......	......	......	......	......	......	62.9	63.8	87.1	71.1	284.8	6.8	....	....	5.4	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	8,545.1	....	....	....	....	....	....

ATIMONAN

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	54.69	54.51	54.17	53.45	53.23	54.23	54.05	25.4	25	28.6	29	28	26.9	27.2	29.2	24.3	90	92	74	78	80	82	82.7	2.1
2..	53.69	54.72	55.24	55.01	56.25	57.42	55.39	25.4	25	26.3	26.8	25.8	24	25.6	27.4	23.6	91	90	84	75	85	91	86	......
3..	57.18	58.04	59.54	59.05	59.77	60.99	59.10	24.1	23.2	27	27	26.8	24.8	25.5	27.8	22.8	90	90	78	80	80	87	84.2	7.1
4..	59.68	60.20	59.99	59.17	60.42	60.58	60.01	23.5	23.7	29	31.8	27.8	25.6	26.9	33.1	23	97	95	78	64	71	81	81	......
5..	59.59	60.08	60.40	59.43	58.86	60.07	59.74	24	23.7	30	30.7	29.8	28.6	27.8	31.9	23.2	91	94	73	70	73	77	79.7	......
6..	59.01	59.43	59.31	58.52	59.07	60.49	59.30	25.7	24.2	29.6	31	29.7	27.2	27.9	32.6	23.8	89	97	75	71	69	81	80.3	......
7..	59.52	60.25	60.87	59.55	59.96	60.89	60.17	25.6	24	30.6	31.2	28.8	26.3	27.8	32.8	23.4	88	94	72	67	75	86	80.3	.5
8..	59.70	60.33	61.40	59.76	59.51	60.81	60.25	24.4	23.8	30.2	31.8	29.8	28.8	28.1	32.6	23.2	97	98	74	69	75	80	82.2	......
9..	59.32	59.67	60.46	58.42	58.43	59.74	59.34	27.5	25.5	30.2	32.3	29.9	28.9	29	33.1	25	87	93	74	68	75	76	78.8	......
10..	57.69	58.71	59.27	57.31	57.66	58.96	58.27	25	24	31.3	32.8	31.7	28.2	28.8	35.2	23.5	91	93	74	64	62	76	76.7	......
11..	58.30	58.41	59.40	57.48	58.05	59.87	58.58	25.4	24.5	31.5	33.2	30.3	27.2	28.7	35.1	24	93	96	74	66	74	79	80.3	......
12..	58.90	59.70	59.95	58.60	58.75	59.93	59.30	25.5	24.5	31.2	32.8	30.4	27	28.6	34.4	24	80	88	73	65	74	85	77.5	......
13..	58.79	59.10	60.11	58.50	58.40	59.54	59.07	25.2	24.7	30	32.5	30.8	28	28.5	33.4	24.2	93	95	75	67	67	79	79.3	......
14..	58.90	59.12	59.78	58.01	57.56	59.14	58.75	25.3	24.7	29.7	32.6	31.8	26.6	28.4	33.8	24.1	90	94	79	62	65	78	78	.8
15..	57.50	58.13	58.24	56.70	56.84	58.09	57.58	24.6	23.9	31.6	34.2	31.1	27.3	28.8	35.5	23.5	89	92	70	62	64	79	76	......
16..	57.49	57.98	57.91	56.40	56.90	58.74	57.57	25.3	24.5	30.5	33.6	31	27.9	28.8	35.2	24	89	92	74	61	67	80	77.2	......
17..	57.80	58.14	58.87	57.13	57.74	58.70	58.06	25.2	24.5	30.4	33.8	29.8	27	28.4	35.5	24	93	96	77	64	67	83	80	......
18..	58.01	58.10	58.56	57.34	57.19	58.52	57.95	24.7	24	30	31.5	30.1	29.1	28.2	33.2	23.7	96	96	75	70	68	72	79.5	......
19..	57.09	57.55	58.10	57.06	56.07	57.40	57.21	24.8	23.5	31.4	30.5	29	28	27.9	32.9	23	87	96	66	70	78	74	78.5	2
20..	56.49	56.61	58.07	56.83	56.81	57.06	56.98	24.8	23.8	25.9	28	27.2	27.7	26.2	28.3	23.4	94	94	85	80	84	83	86.7	10.9
21..	55.79	56.36	56.97	55.81	56.02	57.35	56.38	26	24	29.8	29	28.1	27.2	27.4	32.2	23.6	90	98	79	81	85	84	86.2	4.5
22..	55.80	56.25	56.97	55.84	56.09	57.39	56.39	24.9	24.1	30	28.1	27.2	26.1	26.7	31.1	23.7	97	97	81	85	87	88	89.2	22.9
23..	55.81	55.91	56.81	55.45	55.62	56.80	56.07	24.4	24	29.8	28.1	27.9	25.8	26.7	29.9	23.5	97	97	80	82	82	88	87.7	31.6
24..	55.68	55.75	56.24	54.52	54.89	56.84	55.65	24.2	24.1	28	30.5	28.2	26.1	26.8	31.5	23.6	97	97	82	71	80	86	85.5	53.1
25..	55.90	55.84	57.04	55.78	55.67	57.21	56.24	25.9	26	29.1	30.1	29	27	27.8	31.3	24.6	89	89	74	71	77	87	81.2	.5
26..	56.19	56.05	56.07	54.32	54.19	55.54	55.39	25.4	24.8	28.5	31.1	29.6	27.1	27.8	31.9	24.4	98	97	83	77	71	81	84.5	.....
27..	54.26	53.30	53.81	52.23	53.64	53.67	53.48	24.5	23.9	30.5	29.8	26.8	26.7	27	31.1	23.5	96	97	66	63	75	79	79.3	15.5
28..	54.02	54.28	54.44	54.24	53.54	54.67	54.20	25.1	24.5	26.8	27.1	27.6	26	26.2	28.1	23	91	96	86	88	86	89	89.3	10
29..	53.69	53.57	54.18	53.63	53.58	54.73	53.90	25.4	25.3	25.8	25.8	25	24.9	25.4	26.7	23.9	91	92	93	85	92	89	90.3	56.7
30..	53.62	53.38	53.07	52.39	52.25	53.51	53.04	24.8	24.7	29.2	28.1	29	27.9	27.3	31.9	24.1	98	97	76	84	73	77	84.2	7.3
31..	52.99	53.11	53.79	52.26	52.89	54.41	53.24	26.4	24.7	29.8	31.2	28.3	26.9	27.9	32.1	24.2	88	89	73	67	80	83	80	2.8
Mean	56.87	57.18	57.71	56.46	56.64	57.85	57.12	25.1	24.3	29.4	30.5	28.9	27	27.6	32	23.7	91.8	94.2	76.7	71.8	75.5	81.9	82	......
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	228.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SSW	SW	SW	SW	SWbyW	SW	72.6	50.5	69.5	67.6	260.2	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
2..	SSW	SW	SW	S	Calm	Calm	77	94.8	105.4	39.9	317.1	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	Cu.-N. ssw
3..	Calm	SW	WSW	S	SW	SSW	37.2	30.1	76.7	52.8	196.8	10	Ci.-S.	N.	8	Ci.-S.	Cu.-N. S
4..	SW	SSW	N	SW	NW	SW	43.1	39.7	68.7	49.9	201.4	9	Ci.-S.	S.-Cu.	5	Ci.-S.	Cu.-N. ssw
5..	SSW	SW	NW	NE	N	NNE	70.2	40.2	41	44.1	195.5	5	Ci.-Cu.	S.-Cu.	6	Ci.-S.	S.-Cu.
6..	WNW	W	NW	NW	NNE	W	46.5	36	60.7	43.7	186.9	9	A.-Cu. ENE	S.-Cu.	5	Ci.-S.	Fr.-Cu.
7..	WSW	SW	NE	E	NNE	SW	51.2	51.5	30.6	52.9	186.2	7	Ci.-Cu.	S.-Cu.	5	Ci.-S.	Cu.-N.
8..	SW	SW	Calm	NW	NNW	N	64.7	32.8	109.2	85.8	292.5	3	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
9..	NNE	Calm	NNW	NW	N	N	45.9	52.8	91.9	80.7	271.3	5	Ci.	Cu. NNE	1	Ci.-S.	Cu.
10..	S	SW	NNE	NNE	Calm	SW	60.6	42.8	53.1	45.9	202.4	2	Ci.	S.-Cu.	1	....	Cu.
11..	SW	SW	ENE	E	SW	Calm	53.9	39.9	61	43.7	198.5	1	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
12..	SSW	SW	NNE	NW	Calm	SW	60.9	49.3	71.3	40.4	221.9	3	Ci.-S.	S.-Cu.	2	....	Cu.
13..	SSW	SW	NNW	NW	N	Calm	58.7	67.1	114.1	55.7	295.6	5	Ci.-S.	Cu. N	1	....	Cu.
14..	SSW	SW	N	NW	NW	SW	59.2	39.4	80.5	65.4	244.5	7	Ci.-S.	S.-Cu.	1	....	Cu.
15..	SSW	SW	E	ENE	SW	SW	81.5	45.3	41	64.7	232.5	2	Ci.	S.-Cu.	5	Ci.-S.	Cu. S
16..	SW	SW	N	Calm	S	Calm	81.8	48.6	39.6	33	203	7	Ci.-S.	S.-Cu.	7	Ci.-S. ESE	Cu.-N.
17..	SSW	SW	Calm	NE	SW	SW	56.8	31.6	50.1	33.6	172.1	6	Ci.-S.	S.-Cu.	6	Ci. E	Fr.-Cu.
18..	WSW	SW	NW	NW	N	NE	58.5	44.3	91.5	79.2	273.5	8	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.
19..	SW	SW	NNE	ENE	N	NNE	66.6	68.6	106.2	91.2	332.6	6	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N. NE
20..	Calm	W	NbyW	N	N	N	57.1	133.2	158.2	90.6	439.1	10	Ci.-S.	S.-Cu. E	9	Ci.-S.	Cu.-N. NNE
21..	Calm	W	NNW	NNE	N	NNE	34.1	46.9	93.5	54.7	229.2	5	Ci.	S.-Cu.	10	Ci.-S.	Cu.-N. NNE
22..	W	SW	SW	Calm	Calm	Calm	37.8	38.4	29.5	37.3	143	9	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N.
23..	W	SW	Calm	NW	NNW	NNE	36.5	50.4	119.3	72.1	278.3	10	Ci.-S.	S.-Cu.	8	Ci.-S. sbyE	Cu.-N.
24..	N	W	NNE	S	ESE	SSW	41.3	22.8	60	43.1	167.2	10	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N.
25..	S	S	SW	SSW	Calm	Calm	47.5	48.6	54.5	20.9	171.5	10	Ci.-S.	N. SSW	9	Ci.-S.	Cu.-N. SWbyS
26..	SSW	SW	Calm	NEbyE	Calm	SW	46.1	25.1	42.4	33.8	147.4	10	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N. W
27..	SSW	SW	WSW	WSW	WSW	SSW	59.5	67.3	155.5	48	330.3	10	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N. wsw
28..	SW	WSW	Calm	Calm	Calm	SW	45.7	29.3	.....	[a]24.3	[b]99.3	10	Ci.-S.	N.	10	Ci.-S.	Cu.-N. ssw
29..	WSW	Calm	Calm	Calm	Calm	Calm	22.5	29.6	21.9	24.1	98.1	10	Ci.-S.	N. WSW	10	....	N. WbyS
30..	Calm	Calm	SW	SSW	SW	SW	8.2	63.4	104.6	102.2	278.4	10	Ci.-S.	Cu.-N. wsw	8	Ci.-S.	N. WSW
31..	SSW	SW	SW	SSW	SSW	SW	50.5	85.3	78.1	37	250.9	8	A.-Cu.	S.-Cu.	8	Ci. NbyE	Cu.-N. wsw
Mean	......	......	......	......	......	......	52.7	49.9	76	53.5	229.6	7.3	....	....	6.2	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	[b]7,117.2	....	....	....	....	....	....

[a] 2 hours missing.

[b] 8 hours missing.

ATIMONAN

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	53.28	53.97	54.86	53.44	53.92	55.20	54.11	26.3	25.6	29	30.1	28.8	28.1	28	31.2	25.2	85	89	75	69	73	76	77.8	2
2..	54.50	54.57	55.28	54.36	54.62	55.78	54.85	26.3	25.7	29.6	29.6	28.8	27.9	28	30.6	25.1	89	91	75	72	78	82	81.2	.3
3..	54.61	55.10	55.54	53.94	54.63	55.85	54.94	27	26.3	27.6	30	28.6	27.3	27.8	30.3	25.5	86	89	86	69	71	79	80	.8
4..	54.80	54.89	55.21	54.03	54.68	55.91	54.92	26.4	26.1	29.7	29.6	26.1	25.7	27.3	30.2	24.3	83	85	72	71	96	96	83.8	15.5
5..	54.14	54.91	55.87	55.03	54.59	56.06	55.10	26.2	26	28.8	28.6	26.8	26.1	27.1	29.3	24.1	92	88	76	76	87	88	84.5	22.1
6..	54.48	54.09	55.60	53.89	54.13	53.65	54.31	24.7	25.2	26.5	28.4	25.5	25.4	26	29.2	23.8	92	89	89	79	81	80	85	22.1
7..	52.61	51.59	52.93	50.88	51.76	53.03	52.13	24.5	25.3	28.3	26.3	26	26.2	26.1	28.8	23.8	87	82	80	83	84	87	83.8	31.7
8..	52.38	51.61	52.21	52.05	52.26	53.45	52.33	25.7	26.5	28.8	29	28.6	26.8	27.6	29.7	25	93	88	80	78	76	82	82.8	7.4
9..	52.01	52.94	54.05	52.85	53.66	54.51	53.34	26.2	25.5	26.7	27.8	26.8	26	26.5	27.9	24.8	86	89	87	83	83	88	86	20.8
10..	53.69	53.94	54.69	53.45	53.50	54.39	53.94	26	26	26.8	27.6	26.8	26.9	26.7	27.8	24.6	88	88	87	84	79	80	84.3	5.6
11..	53.13	53.01	53.14	52.19	52.88	53.94	53.05	26.7	26.7	28.6	27.7	25.7	26.2	26.9	29.9	24.6	82	83	78	81	87	87	83	6.4
12..	52.39	52.36	54.34	53.07	53.26	55.02	53.41	26.3	26.7	26	25.8	25.9	25.3	26	26.9	23.7	86	83	89	87	81	90	86	44.7
13..	53.80	54.04	55.29	54.24	54.59	56.40	54.73	24.6	25	26.5	26.8	26.6	26.3	26	27.4	24	96	96	91	84	84	86	89.5	22.4
14..	55.72	56.01	56.91	55.70	55.67	56.64	56.11	25	25.1	26.3	27.6	27	26.9	26.3	27.8	24.4	92	92	92	83	78	76	85.5	1.8
15..	56.09	56.46	56.51	55.81	56.56	57.94	56.56	26.6	26	27.8	29.9	26.8	26.5	27.3	30.2	25.1	74	80	70	71	80	80	75.8	1.8
16..	57.11	57.20	58.03	57.40	58.39	59.15	57.88	25.2	26.1	30.2	31.2	29	27.2	28.2	32.1	24.6	83	73	68	68	68	75	72.5	.5
17..	58.29	58.39	58.91	57.34	58.06	58.86	58.31	25.7	25.1	28.8	29.5	29.8	26.8	27.6	31.8	24.8	88	93	80	81	69	81	82	......
18..	57.50	58.18	58.36	56.55	56.98	58.50	57.68	24.7	23.6	29.4	30.2	30.9	27.2	27.7	33.1	23	92	96	72	69	69	83	80.2	......
19..	57.12	57.25	58.11	56.20	55.96	56.25	56.82	24.8	24	30	31.7	29	27.6	27.8	32.6	23.4	94	96	73	67	65	70	77.5	3.8
20..	54.39	52.72	52.99	51.38	52.90	55.23	53.27	25.8	24.2	25.8	25.8	25	25.4	25.3	27.6	23.6	85	96	89	85	86	86	87.8	34.3
21..	55.11	56.11	57.33	56.03	57.25	59.05	56.81	25.2	26.4	28.6	29.8	28.8	27.7	27.8	30.5	24.2	86	82	75	70	78	82	78.8	......
22..	58.21	58.30	58.87	57.07	57.42	59.29	58.19	24.2	23.9	28.8	31.3	29.7	27	27.5	32.3	23.4	96	97	82	71	73	81	83.3	......
23..	57.60	57.62	57.69	56.03	56.07	57.64	57.11	24.4	23.4	31.4	31.2	29.8	27.5	28	32.6	22.9	93	97	64	64	71	78	77.8	......
24..	55.92	55.42	56.06	54.39	54.42	55.29	55.25	26.7	26.7	30.2	29.8	27.8	27.5	28.1	32.3	25.9	83	83	71	71	77	80	77.5	......
25..	54.01	54.95	56.02	54.67	55.14	57.23	55.34	27.5	27.4	25.8	26.5	25.8	25.3	26.4	27.8	22.6	81	81	88	86	93	91	86.7	17.8
26..	55.71	56.21	58.04	57.24	57.91	59.34	57.41	23.5	23.9	27.8	28.2	25.8	25.2	25.7	28.9	22.5	96	97	80	70	85	84	85.3	.8
27..	58.15	58.18	59.10	57.50	58.16	59.16	58.38	24.4	24.1	27.7	28.7	27.5	25.3	26.3	29.7	23.2	87	91	76	75	70	80	79.8	......
28..	57.01	57.38	57.35	56.89	57.06	57.90	57.26	23	22.4	29.6	26.6	24.7	24	25	30.6	22	97	96	66	87	89	92	87.8	42.1
29..	56.18	56.17	56.55	54.38	55.18	55.47	55.66	23.5	22.8	28	28	26.9	25.7	25.8	28.4	21.9	91	95	77	76	81	86	84.3	......
30..	54.11	54.09	55.23	54.04	54.67	54.83	54.50	26.2	26	26.9	28.5	25.6	24.6	26.3	29.1	24	81	81	79	68	86	88	80.5	7.9
31..	53.89	54.46	55.53	54.17	54.77	56.02	54.81	24.7	25.2	27	28.2	25.8	25.8	26.1	28.6	24.1	87	83	81	76	81	81	81.5	3.3
Mean	55.09	55.23	56.02	54.72	55.20	56.35	55.44	25.4	25.3	28.2	28.7	27.3	26.4	26.9	29.8	24	88.1	88.7	79	75.9	79.3	83.1	82.3	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	315.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SSW	SW	SW	SW	SW	SW	45.1	74.2	145.4	130.2	394.9	8	Ci.-S.	Cu.-N. WSW	8	Ci.-S.	Cu.-N. SW
2..	SW	SW	SW	SWbyW	WSW	SW	53.3	69.5	69	43.3	235.1	10	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N. WSW
3..	SW	WSW	SSW	SW	WSW	Calm	59.3	48.3	89.9	40.8	238.3	10	Ci.-S.	Cu.-N.	6	Ci.-S.	Cu.-N. SW
4..	WSW	SW	WSW	SWbyW	Calm	SW	83.4	69.2	73.7	42	268.3	10	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N. WSW
5..	WSW	WSW	SW	S	Calm	SW	55.5	46.9	15	49.6	167	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N. SW
6..	SSW	SW	SW	SW	SW	SW	91.7	89.5	112	140.3	433.5	10	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N. WSW
7..	SSW	SSW	S	SW	SWbyW	SW	180.2	102.8	179.6	149.4	612	10	Ci.-S.	Cu.-N. SSW	10	Ci.-S.	Cu.-N. SW
8..	WSW	SW	SW	SW	SW	SW	102.8	182.1	130.7	137	552.6	10	Ci.-S.	S.-Cu. WSW	8	Ci.-S.	Cu.-N. SW
9..	SSW	SW	SWbyW	SW	WSW	SSW	102.8	115.6	76.9	55.3	350.6	10	Ci.-S.	Cu.-N. WSW	9	Ci.-S.	Cu.-N. WSW
10..	Calm	WSW	WSW	SW	WSW	WSW	55.3	77	95.2	73.5	301	10	Ci.-S.	Cu.-N. WSW	9	Ci.-S.	Cu.-N. SW
11..	WSW	WSW	SWbyW	SW	WSW	WSW	97.1	137.9	166.5	114.1	515.6	10	Ci.-S.	Cu.-N. WSW	10	Ci.-S.	Cu.-N. WSW
12..	WSW	WSW	W	WSW	SW	W	91.1	79.7	109.4	63.9	344.1	10	Ci.-S.	Cu.-N. WSW	10	Ci.-S.	Cu.-N. WSW
13..	WSW	SWbyW	Calm	SW	SW	Calm	108.3	108.8	124.5	49.1	390.7	10	Ci.-S.	Cu.-N. WSW	8	Ci.-S.	Cu.-N. SW
14..	WSW	SW	SW	SW	WSW	SW	82.6	50.2	90.1	132.6	355.5	10	Ci.-S.	Cu.-N.	8	Ci.-S.	S.-Cu.
15..	SSW	SSW	WSW	WSW	SW	SW	102.4	112.1	153.6	61.5	429.6	10	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N. WSW
16..	WSW	SW	SWbyW	WSW	W	SW	60.6	78.9	88.5	58.9	286.9	8	A.-Cu.	S.-Cu.	5	Ci.-S.	Cu.-N. WSW
17..	WSW	WSW	NW	Calm	WSW	SW	47.7	34.8	36.7	37.6	156.8	8	Ci.-S.	S.-Cu.	8	Ci.	Cu.-N. WSW
18..	WSW	WSW	E	WSW	NW	W	58.4	49.1	50.2	37.2	194.9	6	Ci.	S.-Cu.	5	Ci.	Cu. WNW
19..	Calm	SW	NW	NW	WbyN	WSW	49.9	111	151.8	76.6	389.3	7	Ci.-S.	S.-Cu.	6	Ci.-S. E	Cu.
20..	WSW	SWbyW	WSW	WSW	SW	SW	120.5	153.4	268.4	110.8	653.1	10	Ci.-S.	N.	10	Ci.-S.	Cu.-N. WSW
21..	SSW	S	S	S	SSE	S	61.4	116.9	87.5	42.1	307.9	10	Ci.-S.	Cu.-N. SSW	8	A.-Cu.	Cu.-N. SSW
22..	SW	SW	NW	ENE	SW	SW	47.8	28.5	47.5	40.2	164	8	A.-Cu.	S.-Cu.	5	Ci.	Cu. WSW
23..	SW	SW	WNW	W	Calm	W	64.9	56.3	63.1	42.8	227.1	7	Ci.-S.	S.-Cu.	9	Ci.	Cu.-N. W
24..	W	WSW	SWbyW	WSW	WSW	SWbyW	50.1	116.1	139	99.8	405	8	Ci. E	S.-Cu.	8	Ci.-S.	Cu.-N. WSW
25..	WSW	SW	SSW	SSW	WSW	SW	169.2	112.3	51.2	53.3	386	10	Ci.-S.	Cu.-N. WSW	9	Ci.-S.	Cu.-N. SSW
26..	WSW	Calm	SSW	SW	SW	WSW	43.5	72.9	79.5	70.2	266.1	10	Ci.-S.	Cu.-N. SW	8	Ci.-S.	Cu.-N.
27..	SW	Calm	SW	SW	SW	WSW	54.1	37	65.2	35.6	191.9	10	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.-N.
28..	SWbyW	SWbyW	SW	Calm	SW	WSW	62.3	67	57.1	56.3	242.7	9	A.-Cu. ESE	S.-Cu.	10	Ci.-S.	Cu.-N. WNW
29..	WSW	Calm	WNW	W	SW	WSW	58.2	64.6	38.8	45.6	207.2	10	Ci.-S.	S.-Cu.	9	Ci.-S.	S.-Cu.
30..	SSW	WSW	WSW	WSW	SW	SW	85.1	141.4	173.3	211.1	610.9	10	Ci.-S.	Cu.-N. WSW	9	Ci.-S.	Cu.-N. WSW
31..	SWbyW	SWbyW	SW	WSW	SW	SSW	158.2	193.1	148.2	74.3	573.8	10	Ci.-S.	Cu.-N. WSW	10	Ci.-S.	Cu.-N. WSW
Mean	......	......	......	......	......	......	80.7	90.2	102.5	76.6	350.1	9.3	....	....	8.2	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	10,852.4	....	....	....	....	....	....

ATIMONAN

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, −1.74 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	54.93	55.37	56.29	54.58	55.81	57.41	55.73	25.3	25.6	27.2	28.6	27.5	26.9	26.8	29.2	24.6	86	84	80	73	82	81	81	0.3
2..	57	57	58.07	57.17	58.19	59.60	57.84	24.9	25.6	29.2	30.6	29	26.9	27.7	31.6	23.5	89	87	72	60	75	80	77.2	....
3..	58.80	58.88	59.92	58.63	59.62	60.99	59.47	25.1	24.1	29	31.2	28.7	25.7	27.3	31.8	22.7	83	86	79	59	71	88	77.7	....
4..	59.22	59.64	60.34	58.70	59.27	61.02	59.70	23.4	22.7	29.6	31	29.3	27.9	27.3	31.8	22.2	96	97	72	73	79	82	83.2	....
5..	59.09	59.55	60.07	58.11	58.34	60.02	59.20	25.7	25	29.4	30.4	29.5	27.8	28	31.4	24.2	87	88	72	70	72	82	78.5	15
6..	58.21	58.70	59.61	57.36	57.30	58.35	58.26	25.1	24.1	29.2	30.8	28.8	26.2	27.4	31.3	23.6	93	95	76	71	73	86	82.3	.5
7..	56.61	56.85	58.02	56.53	56.37	58.19	57.10	24.3	24	29	28.6	28.9	26.3	26.8	30.1	23.4	97	96	76	76	73	86	84	....
8..	56.51	56.86	58.04	56.42	57.29	58.13	57.21	23.8	23.4	29.2	30.2	28.4	28	27.2	31.1	23	96	97	79	70	75	80	82.8	....
9..	57.11	57.89	58.96	56.99	57.39	58.81	57.86	26.1	25.1	29	27	26.8	24.9	26.5	29.6	23.7	89	90	76	89	82	87	85.5	5.3
10..	57.38	57.61	58.22	56.19	56.06	56.99	57.08	23.8	23.2	28.8	28.2	26.8	25.7	26.1	31.1	22.5	96	98	76	77	83	88	86.3	47.3
11..	56.71	55.83	56.96	56.23	54.62	55.58	55.99	24.8	23.8	25.4	23.8	25	24.3	24.5	25.6	22.9	87	93	87	95	93	93	91.3	24.6
12..	55.03	54.93	55.22	53.77	53.85	55.04	54.64	23.6	24	26.2	27.6	27.6	25.7	25.8	28.2	23	99	96	84	81	83	89	88.7	....
13..	53.79	54.27	55.33	53.73	54.84	56.47	54.74	24.6	24.5	28.5	29.8	28.2	25.9	26.9	30.1	23.8	93	92	76	69	74	81	80.8	....
14..	55.38	56.36	57.17	55.15	56.37	57.91	56.39	23.7	22.7	29.5	31.6	28.2	26.2	27	32.6	21.9	87	89	65	57	80	84	77	4.6
15..	56.82	57.10	57.89	56.59	57.24	58.45	57.35	23.9	23.3	28.2	28.8	27.2	26.8	26.4	29.7	22.8	97	97	81	78	84	84	86.8	38.1
16..	57.58	58.13	58.88	57.25	58.66	59.66	58.36	24.3	24	27	26.7	25.8	25.8	25.6	28.7	23.5	99	97	89	86	89	89	91.5	25.4
17..	58.91	59.56	60.70	58.94	59.68	60.88	59.78	25	24.5	27.6	28.8	27.5	26.8	26.7	29.8	23.8	91	92	81	69	78	83	82.3	....
18..	59.89	60.78	62.14	59.75	60.55	61.30	60.74	25.8	25.1	25.8	26.8	26.8	26.8	26.2	27.9	24.3	88	91	85	83	82	80	84.8	1
19..	60.52	60.57	61.03	59.27	59.53	61.17	60.35	26.5	26.1	27.8	28.4	26.8	26	26.9	28.8	24.8	82	83	80	75	82	86	81.3	11.4
20..	59.12	59.68	60.43	58.53	58.96	60.83	59.59	25.1	24.5	25.8	26.8	25.8	25	25.5	27.6	23.7	92	97	89	83	90	92	90.5	48.3
21..	59.81	59.83	60.74	58.38	59.12	60.88	59.79	24.2	24.5	26.8	29.2	27.8	27.5	26.7	29.6	22.8	94	92	86	72	73	73	81.7	....
22..	59.69	59.95	60.92	58.91	59.02	60.45	59.82	26.5	26.5	28.2	29	27.8	27.6	27.6	29.3	25.9	78	77	73	75	73	74	75	....
23..	59.39	59.50	60.44	58.91	59.03	60.74	59.67	26.6	26.5	28.8	29.5	28	27.6	27.8	30.1	26	81	80	72	72	71	73	74.8	....
24..	59.38	59.45	60.53	59.16	59.62	60.53	59.78	26.7	26.5	28.2	29.2	27.8	27.6	27.7	29.7	25.9	77	77	69	73	73	77	74.3	....
25..	59.72	59.69	60.76	59.23	59.41	60.65	59.91	27.1	26.9	28.8	29.2	28.6	28	28.1	29.9	25.6	83	86	78	75	77	80	79.8	1
26..	59.80	59.99	61.08	59.36	59.03	60.39	59.94	26.5	27	29.8	29.4	28.8	28	28.2	30.9	25.9	91	88	76	79	80	83	82.8	....
27..	59.62	59.64	60.66	58.86	59.08	60.37	59.70	27	26.8	28.2	29.2	27.8	27.4	27.7	29.8	25.8	87	85	82	71	82	85	82	3.6
28..	59.10	59.28	59.93	58.36	59.01	60.05	59.29	27.4	26.4	28.8	28.6	24.8	25.2	26.9	30.5	23.6	83	88	80	82	94	93	86.7	44
29..	59.19	59.49	60.04	58.24	58.73	59.97	59.28	25.3	23.4	28.8	30	27.8	27.5	27.1	30.9	22.8	94	98	78	75	83	80	84.7	2.3
30..	58.79	59.65	60.34	57.82	58.25	59.33	59.03	25.7	24.4	28.6	29.8	28.2	28.1	27.5	30.3	23.6	88	92	78	67	73	74	78.7	1.5
Mean	58.10	58.40	59.29	57.57	58.01	59.34	58.45	25.3	24.8	28.2	29	27.7	26.7	26.9	30	23.9	89.4	90.3	78.2	74.5	79.3	83.1	82.5	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	274.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SSW	SSW	SSW	SSW	S	SSE	70.6	82.3	110.8	56.9	320.6	5	A.-Cu. W	S.-Cu.	7	Ci.-S.	Cu.-N.
2..	S	SSW	SSW	SW	S	Calm	41.3	83.5	86.7	24.9	236.4	9	Ci.-S.	S.-Cu.	5	Ci.-S.	Cu.
3..	SSW	SW	Calm	SSW	SW	SW	65.5	47.8	60.4	73.7	247.4	8	Ci.	S.-Cu.	7	Ci.-S.	Cu.
4..	SW	SW	NW	NW	N	N	67.4	53.6	97.1	112.5	330.6	5	Ci.	S.-Cu.	1	....	Cu.
5..	NNE	NW	NNW	NW	N	NW	122.9	82.3	83.2	52.1	340.5	8	Ci.	Cu.-N. NE	3	A.-Cu. E	Cu.
6..	WNW	W	NW	NW	N	WSW	29	64.2	85.6	47	225.8	5	Ci.	S.-Cu.	5	Ci.	Cu.
7..	Calm	SW	NNW	NNW	NW	WSW	53.6	49.9	63.1	29.5	196.1	7	A.-Cu.	Cu.-N.	8	Ci.-S.	Cu.
8..	WSW	SW	NW	NW	N	Calm	56.1	67	104.1	47.8	275	8	Ci.-S.	Cu.-N.	8	A.-Cu.	Cu.-N.
9..	NNW	Calm	ENE	NW	NNE	WSW	73.4	54.4	83.2	44.8	255.8	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N. NW
10..	WSW	SW	NW	N	Calm	SW	61.5	68.7	84.8	46.7	261.7	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N. N
11..	SW	Calm	NW	SW	Calm	SW	37	107	48.1	56.8	248.9	10	Ci -S.	Cu.-N.	10	Ci.-S.	Cu.-N.
12..	SW	SW	SW	Calm	SW	SW	71	37.6	23.1	55.2	186.9	10	Ci.-S.	Cu.-N.	9	Ci.-S	S.-Cu.
13..	WSW	WSW	SW	WSW	WSW	WSW	41.2	62.6	63	36.2	203	10	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.-N. W
14..	SW	SW	SW	S	Calm	WNW	74.2	55.3	61	30.3	220.8	7	Ci.-S.	S.-Cu.	5	Ci.	Cu.
15..	WSW	WSW	NW	NW	NW	N	40.8	51.2	106.5	120.5	319	7	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.-N.
16..	W	WSW	N	WSW	NNE	N	45.6	29.6	67.9	135.6	278.7	10	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N.
17..	NNE	NNE	ENE	Calm	NNE	NNE	110.5	75.8	63.6	107.5	357.4	10	Ci.-S.	Cu.-N. ENE	8	Ci.-S.	S.-Cu.
18..	Calm	NE	NE	NW	N	NNE	38.3	100.4	150.5	95.8	385	9	Ci.	Cu.-N.	7	Ci.	Cu.-N. N
19..	NNE	NE	N	NNE	NNE	NNE	131.4	105.7	155.9	114.6	507.6	8	Ci.-S.	Cu.-N. NE	8	Ci.-S.	Cu. NE
20..	NE	NE	NNE	NNE	NW	N	104.6	72.4	120.9	68.6	366.5	10	....	N.	9	Ci.-S.	Cu.-N.
21..	NE	ENE	E	N	N	N	52.1	59.3	120.2	104.8	336.4	9	Ci.-S.	Cu.-N. E	8	A.-Cu.	Cu.-N.
22..	NNE	NNE	NNE	NNF	NNE	NNE	104.9	102.8	145.6	132.3	485.6	7	Ci.	S.-Cu.	8	Ci.-S.	Cu.-N.
23..	NNE	NNE	NNE	N	NNE	N	100.8	83.7	152.4	131.5	468.4	7	A.-Cu.	Cu.	1	....	Cu.
24..	NNE	NNE	NNE	NNE	NNE	N	123.7	139	143.4	129.8	535.9	3	Ci.	Cu.	3	Ci.	Cu.
25..	NNE	NNE	NNE	N	N	N	110.5	100.6	162.2	123.9	497.2	7	Ci.	Cu.-N. NE	5	A.-Cu. WNW	Cu.-N. NE
26..	NNE	NNE	NNE	NE	NNW	NNE	89	68.2	118.3	128.9	404.4	6	Ci.	Cu.	7	Ci.	Cu. E
27..	NNE	NNE	NNE	N	NNE	N	80.7	93.8	140.3	105.4	420.2	7	Ci.	Cu. ENE	7	Ci.-S.	Cu.
28..	NNE	NE	NNE	NW	Calm	WNW	66.6	77.2	105.4	39.7	288.9	8	Ci.	Cu.-N. NE	9	Ci.-S.	Cu.-N. N
29..	NW	Calm	NNE	NW	N	N	22	52.1	133.1	102.8	310	7	Ci.	Cu.	5	Ci.	Cu.
30..	NNE	NNE	NW	N	NNE	N	77.9	63	134.2	125	400.1	6	Ci.	Cu.-N. NE	1	....	Cu.
Mean	......	......	......	......	......	......	72.1	73	102.5	82.7	330.4	7.8	....	....	6.6	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	9,910.8	....	....	....	....	....	....

ATIMONAN

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, −1.74 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.21	58.73	59.67	57.89	58.30	59.42	58.70	27	27	29.2	29.6	28.2	28	28.2	30.6	25.8	83	84	74	78	76	79	79	......
2..	57.61	57.91	58.72	56.89	56.65	58.28	57.68	27	25	29.8	27.8	28.5	26.8	27.5	31.2	24.3	87	95	77	78	78	87	83.7	3.8
3..	57.50	57.72	58.48	56.10	56.84	57.96	57.43	24.1	24.1	30.2	30.8	28.8	26.5	27.4	32.1	23.5	96	97	74	70	80	90	84.5	......
4..	57.30	58	58.59	56.37	56.76	58.41	57.57	24.7	23.9	30.4	29.8	28.8	27	27.4	32.2	23	97	97	74	73	83	87	85.2	......
5..	56.91	57.62	58.62	56.25	57.18	58.65	57.54	24.9	24	29.5	31	28.6	26	27.3	31.7	23.5	95	97	80	73	79	89	85.5	1.6
6..	57.62	58.11	59.28	56.86	57.64	59.26	58.13	25.3	24.2	28.2	30.2	28.7	28.3	27.5	31.2	23.8	91	98	80	73	78	80	83.3	.3
7..	57.99	58.51	59.77	58.13	58.71	59.40	58.75	27.7	27.5	27.2	25.8	26.2	26.4	26.8	30.4	24.2	84	85	86	95	90	88	88	124.6
8..	57.72	58.06	58.98	56.56	56.44	57.29	57.51	25.1	24.4	25.4	25.8	25.8	25.1	25.3	26.3	23.6	96	99	93	86	92	96	93.7	25.4
9..	56.02	56.12	57.55	55.58	56.04	57.25	56.43	24.1	23.7	26.2	27.2	26.2	25.7	25.5	28.9	23.2	97	99	90	83	92	93	92.3	13
10..	56.03	56.37	57.52	55.63	56.22	58.11	56.65	24.5	25	29.2	29.8	27.8	26.6	27.2	30.6	23.6	98	96	72	74	80	86	84.3	.8
11..	57.28	58.15	58.93	57.58	58.74	59.99	58.44	25.3	25.5	29.6	30.2	27.8	26.7	27.5	30.6	24.5	93	89	75	72	82	89	83.3	12
12..	59.60	60.53	61.16	59.15	59.92	61.57	60.32	26	24.6	29	30.1	28.2	27.3	27.5	30.9	23.9	94	98	82	77	82	89	87	......
13..	60.08	60.44	61.43	58.88	59.73	60.44	60.17	27.3	27.2	28.8	29.3	28.2	26.3	27.8	30.3	25	87	87	83	81	84	90	85.3	3.3
14..	58.59	58.68	59.14	57.27	56.87	58.17	58.12	27.5	27.6	28	25.2	25.8	25.8	26.6	28.3	23.4	78	83	83	94	95	92	87.5	59.4
15..	56.10	56.47	57.49	55.45	55.94	57.30	56.46	26	26.5	27.4	28.4	27.6	26.9	27.1	28.8	24.9	94	93	87	81	88	89	88.7	3.3
16..	56.92	57.28	57.99	56.42	57.14	58.55	57.38	25.2	24.7	29.5	30.7	27.8	26.6	27.4	31.6	24.2	97	98	76	72	80	83	84.3	......
17..	56.91	57.76	59.03	56.62	57.49	59.03	57.81	25.8	24.2	28.6	30.8	28.2	26.4	27.3	32.1	23.6	89	95	83	68	82	86	83.8	......
18..	57.72	57.73	58.57	56.37	57.33	58.54	57.71	24.7	23.9	29.5	29.8	28.4	26	27	31.8	23.4	96	97	77	77	79	89	85.8	......
19..	57.80	58.31	58.47	56.26	57.69	59.14	57.94	25.1	24.2	29.6	31.4	26.8	25.8	27.2	32.2	23.4	96	98	77	73	85	93	87	48.8
20..	58.24	58.86	59.89	58.22	59.17	60.43	59.14	26	24.8	26.5	27.8	26.4	27.7	26.5	28.2	23.9	89	98	92	83	89	72	87.2	21.9
21..	59.39	60.10	61.06	59.34	60.03	61.25	60.20	26.8	26.8	28.5	28.8	27.8	27.3	27.7	29.2	25.9	74	71	68	72	75	69	71.5	.5
22..	60.12	60.40	60.79	59.02	59.42	61.03	60.13	26.6	24.7	26.8	27.8	26.8	25.9	26.4	27.9	24.2	75	86	86	79	89	92	84.5	20.8
23..	59.70	59.94	61.17	59.52	60.17	61	60.25	24.4	24.5	28.5	28.6	25.8	27.6	26.6	29.4	23.6	96	98	81	78	89	77	86.5	35.8
24..	59.48	59.91	60.97	58.89	59.43	60.39	59.84	26.4	25.1	27.4	26.8	26.9	25.8	26.4	27.4	24	86	95	84	86	89	95	89.2	32.6
25..	59.39	59.66	60.94	58.50	59.77	60.93	59.86	23.7	23.5	27.8	27.8	26.6	25.8	25.9	29.9	22.9	97	99	85	88	85	87	90.2	10.6
26..	59.79	60.30	61.27	58.74	59.48	60.68	60.04	24	23.1	28	28.8	25.8	24.8	25.8	30.5	22.5	97	99	84	78	93	97	91.3	21.8
27..	59.81	60.16	61.47	59.94	60	61.27	60.44	26	25.8	28.2	27.8	26.8	26.9	26.9	29.4	24.6	92	91	85	85	85	85	87.2	7.1
28..	59.99	60.18	60.46	58.69	59.32	60.56	59.87	26.7	26.4	28.8	28.2	27.8	25.1	27.2	29.4	24.3	86	90	83	81	86	94	86.7	......
29..	59.20	59.67	60.64	58.59	59.22	60.47	59.63	26.3	26.3	29	27.8	26.8	26.8	27.2	29.2	25.1	89	88	83	84	90	90	87.3	3.8
30..	59.18	59.79	60.53	58.19	59.22	59.98	59.48	26.6	26.6	29	28.5	27.4	26.8	27.5	29.2	25.8	92	91	83	84	84	89	87.2	.5
31..	58.79	59.53	61	58.44	58.94	60.47	59.53	26.6	26.7	26.8	28.7	27.8	26.4	27.2	29.4	25.8	91	90	86	83	85	88	87.2	......
Mean	58.29	58.74	59.66	57.62	58.25	59.52	58.68	25.7	25.2	28.4	28.7	27.4	26.5	27	30	24.1	90.7	92.9	81.4	79.3	84.6	87.4	86.1	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	451.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	N	N	N	NNW	N	N	109.6	119.9	131.2	102.4	463.1	7	Ci.	Cu.-N. N	5	A.-Cu.	Cu.
2..	N	Calm	NW	N	N	Calm	66.2	81.9	65.2	49.3	262.6	6	Ci.-S.	Cu.-N. NNE	9	Ci.-S.	S.-Cu.
3..	W	SW	N	N	WSW	SW	78.4	34	31.4	57.9	201.7	10	Ci.-S.	S.-Cu.	5	Ci.	Cu.
4..	SW	SW	SW	SW	Calm	SW	65.8	37.8	36.4	39.1	179.1	7	Ci.-Cu.	S.-Cu.	8	Ci.-S.	Cu.
5..	SW	SW	NW	NW	NNE	WSW	58.9	68.4	83.1	34.9	245.3	9	Ci.-S.	S.-Cu.	5	Ci.-S.	Fr.-Cu.
6..	SW	SW	NNW	N	NNE	NNE	55	63.4	107	101.1	326.5	7	A.-Cu.	S.-Cu.	2	....	Cu.
7..	NNE	N	N	N	NNE	N	111.5	62.3	109.4	121.3	404.5	8	Ci.	Cu.-N. NE	10	....	N.
8..	N	NNW	NW	NNW	NNW	Calm	119.1	147.9	219	93.3	579.3	10	....	N.	10	....	Cu.-N. NNW
9..	ESE	SW	S	S	Calm	SSE	38.4	24.6	31.6	21.1	115.7	10	Ci.-S.	Cu.-N.	10	Ci.-S.	S.-Cu.
10..	SE	SE	S	SE	S	Calm	23.8	53.4	67.9	30.9	176	8	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N. S
11..	Calm	S	SE	S	Calm	Calm	37.6	47.5	28.5	17.5	131.1	8	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
12..	Calm	SW	N	NW	N	N	35.6	42	111	114.3	302.9	8	Ci.-S.	Cu.-N.	7	Ci.-S.	Cu.
13..	NW	N	NNW	N	NNE	NW	106.4	136.3	172.5	136	551.2	8	Ci.-S.	Cu.-N. NNE	8	Ci.-S.	Cu.-N. NNE
14..	NW	N	NNE	N	N	N	176.7	221.6	199.3	205.4	803	10	Ci.-S.	Cu.-N. NNE	10	Ci.-S.	Cu.-N. NNE
15..	NNE	NNE	NE	NNE	NE	SE	168.1	173.5	124.1	79.5	545.2	10	Ci.-S.	Cu.-N. NNE	9	Ci.-S.	S.-Cu. E
16..	Calm	Calm	S	SSE	SE	SSE	21.7	38.6	52	28.2	140.5	7	Ci.	S.-Cu.	9	Ci.-S.	Cu.-N. SE
17..	SSE	S	ESE	SSW	SW	SSW	27.9	22.2	63	38.9	152	5	Ci.	S.-Cu.	5	Ci.	Cu.-N. S
18..	SW	SW	N	NW	Calm	SSW	64.7	29.3	35.4	59.3	188.7	5	Ci.-S.	S.-Cu.	5	....	Cu.
19..	SW	SW	NW	NW	WNW	WNW	49.4	28.8	95.2	82.1	255.5	7	Ci.	Cu.-N.	7	Ci.	Cu.-N. NW
20..	N	NE	NW	NNW	N	NNE	97.7	64.4	162.8	180.8	505.7	10	....	N.	8	A.-Cu.	Cu.-N. NNE
21..	NE	NNE	NNE	NNE	NE	NNE	199.5	192.9	178.1	146.6	717.1	7	Ci.-S.	S.-Cu.	6	Ci.	Cu. NNE
22..	N	N	NW	NNE	NW	N	92.8	90.7	141	105.1	429.6	8	Ci.	Cu.-N. N	10	Ci.-S.	S.-Cu.
23..	NNE	Calm	NW	N	NW	NNE	27.2	75.1	136.3	119.6	358.2	6	Ci.-S.	S.-Cu.	7	A.-Cu.	Cu.-N. N
24..	N	NW	NNE	NNE	NNE	NE	135	149.8	113.7	83.9	482.4	8	Ci.-S.	Cu.-N.	8	Ci.	Cu.-N.
25..	SSW	SW	NNW	NNW	NE	NNW	30.1	52.8	130.4	56.8	270.1	6	A.-Cu.	Cu.-N.	10	Ci.-S.	Cu.-N. N
26..	Calm	WSW	Calm	NW	SE	SE	30.4	28.4	67.4	40	166.2	5	Ci.	Fr.-Cu.	7	Ci.-S.	Cu.-N.
27..	ESE	N	NW	NNW	N	NNE	65.8	51.2	131.8	101.2	350	7	A.-Cu.	S.-Cu.	8	Ci.-S.	Cu.-N. NNE
28..	NNE	N	NNE	N	ENE	Calm	97.4	100.1	107.2	50.4	355.1	10	Ci.-S.	Cu.-N. NNE	8	Ci.-S.	Cu.-N. NNE
29..	NE	NNE	NNE	N	NNE	N	97.4	114.9	157.1	88.5	457.9	7	A.-Cu.	Cu.	9	Ci.-S.	Cu.-N.
30..	N	NNE	NEbyN	N	NNE	N	103.8	134.3	146.6	113.7	498.4	9	A.-Cu.	Cu.-N. ENE	8	Ci.-S.	Cu.-N. NE
31..	N	NNE	N	NW	N	N	75.6	131.6	127.7	95.3	430.2	10	Ci.-S.	Cu.-N. NE	8	Ci.	Cu.-N. N
Mean	......	......	......	......	......	......	79.6	84.5	108.5	83.7	356.3	7.8	....	....	7.7	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	11,044.8	....	....	....	....	....	....

ATIMONAN

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.68	59.90	60.93	59.24	60.03	61.23	60.17	26.4	26.2	27.8	28	26	26.5	26.8	28.6	24.6	92	89	83	82	92	88	87.7	3
2..	59.79	60.22	61.31	59.62	60.02	61.03	60.33	26.3	25.6	27.8	28.4	27.8	27.8	27.3	29.2	24.9	90	94	83	85	82	82	86	1
3..	59.69	59.99	60.69	58.82	59.28	60.83	59.88	27.3	26.6	28.8	29.1	27.8	27.2	27.8	29.6	25.8	86	91	83	78	87	87	85.3	......
4..	59.29	59.95	60.69	58.76	59.33	60.12	59.69	27.4	26.9	28.7	28.8	27.3	27.6	27.8	29.6	26.4	84	85	81	82	87	85	84	1.3
5..	58.79	59.19	60.38	57.99	58.37	59.73	59.08	27	26	29.2	28.6	27.8	27.5	27.7	29.4	25.5	89	92	81	80	83	84	84.8	......
6..	58.59	59.01	59.57	57.78	58.43	60.18	58.93	26.1	26.3	28.8	28.6	27.8	27.7	27.6	30.4	25.4	94	90	81	82	79	79	84.2	3.3
7..	58.56	59.72	60.74	58.39	58.84	60.44	59.45	27.4	25.9	29	29.2	27.9	27.4	27.8	30.9	24.9	84	93	83	78	82	84	84	.8
8..	59.28	59.77	60.66	58.47	58.52	59.63	59.39	26.4	26	27.8	28.3	27.7	27.4	27.3	29.3	25.3	86	89	80	81	84	86	84.3	......
9..	58.31	58.54	59.47	57.54	57.76	58.65	58.38	26	25.8	29.1	27.8	25.8	25	26.6	30	24.6	95	94	76	79	89	94	87.8	3.5
10..	57.61	57.76	58.04	56.34	57.08	57.94	57.46	24.8	24.8	29.7	30.4	27.4	25.4	27.1	31.7	23.8	95	93	72	72	82	91	84.2	1
11..	56.60	57.46	58.26	56.32	57.04	58.16	57.31	24.4	24.3	26.4	27.8	27.7	27.4	26.3	28.8	23.5	97	97	87	83	82	83	88.2	6.6
12..	57.22	57.91	58.83	57.42	58.18	59.03	58.10	27	27.1	27.8	28	27.8	27.8	27.6	29.1	26.4	84	83	83	82	82	82	82.7	8.9
13..	57.51	58.25	59.73	58.27	59.12	60.32	58.87	26.7	27	28.2	27.6	27.7	27.8	27.5	28.6	24.8	85	79	73	77	77	75	77.7	.8
14..	59.49	59.40	60.14	58.24	59.18	59.84	59.38	26.6	26.5	26.7	27.4	25.8	26.1	26.5	27.8	24.6	81	80	83	74	85	85	81.3	6.6
15..	58.79	58.91	60.04	57.93	58.46	59.25	58.90	26.2	25.7	26.2	24.8	25.2	25.5	25.6	26.6	23.9	84	86	85	94	92	92	88.8	29.3
16..	57.86	58.16	59.58	57.26	57.64	58.67	58.20	25.3	25.4	25.7	25.8	26.6	26.6	25.9	26.6	23.4	93	92	93	93	87	89	91.2	17.6
17..	57.51	57.82	58.79	57.38	57.41	57.17	57.68	26.8	25	26.8	24.8	25.2	26	25.8	27.2	22.6	85	92	89	90	94	87	89.5	43.5
18..	54.73	55.06	57.45	56.36	57.53	58.95	56.68	26	26.2	24.8	25	24.6	24.8	25.2	26.5	23.1	92	84	90	93	92	91	90.3	27.8
19..	58.01	58.58	59.89	57.44	58.99	60.22	58.86	24.1	23.1	28.2	28	26.8	26.8	26.2	29.4	22.6	93	99	82	88	87	83	88.7	2.6
20..	58.89	58.75	59.44	57.66	58.54	59.63	58.82	26	23.5	28	29.2	27.2	25.5	26.6	30.3	23	84	97	85	81	87	93	87.8	29.2
21..	57.81	57.97	58.65	56.83	57.75	59.33	58.06	23.8	22.9	28	29.2	27.8	26.2	26.3	30.3	22.4	95	99	83	76	84	90	87.8	3.6
22..	58.32	59.13	60.60	58.89	59.37	60.46	59.46	25.7	26.6	26.2	26.8	26.2	26	26.2	27	23.9	92	83	82	77	79	78	81.8	4.9
23..	59.99	60.44	61.49	59.75	60.53	61.39	60.60	25.1	25.2	25.7	25.2	24.5	24.9	25.1	26	23.4	83	82	78	81	85	83	82	7.4
24..	60.19	60.46	61.49	60.06	60.35	61.44	60.66	23.2	24.3	24.8	25.6	25.8	25.7	24.9	26.2	22.3	96	87	85	78	75	75	82.7	7.4
25..	59.81	60.30	62.05	59.83	60.53	61.50	60.67	23.5	24.1	23.8	26	26.2	25.7	24.9	26.6	22.2	88	83	88	72	70	79	80	3.8
26..	60.59	60.70	61.49	59.22	59.87	59.56	60.24	25.4	25	26.6	26.8	25.8	25.5	25.8	26.8	24.4	80	88	77	77	83	91	82.7	15.8
27..	58.98	59.11	60.18	58.70	58.46	59.61	59.17	24.9	25	26.5	24.8	26	25.8	25.5	26.7	24	99	94	88	97	95	92	94.2	18.1
28..	59.11	59.73	60.78	59.38	60.54	61.98	60.25	25.2	24.5	28	27.8	26.8	25.9	26.4	30	24	97	98	85	88	89	89	91	.8
29..	60.89	60.74	61.63	59.38	60.12	61.15	60.65	24.8	25.6	28.5	27	27.2	26.8	26.6	29.3	24.1	92	93	85	90	90	90	90	7.9
30..	59.86	60.13	61.54	59.08	60.33	61	60.32	25.7	26	27.7	27.8	27.2	27	26.9	28.7	25.4	94	92	86	88	87	90	89.5	16.5
Mean	58.72	59.10	60.15	58.28	58.92	59.95	59.19	25.7	25.4	27.4	27.4	26.7	26.4	26.5	28.6	24.2	89.6	89.9	83	82.6	85	85.9	86	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	273

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NNE	NE	NbyE	NNE	N	N	94.3	110.5	122.5	77.9	405.2	7	Ci.	Cu.-N. NE	8	Ci.-S.	Cu.-N. NNE
2..	NNW	NW	NNW	NW	N	NNE	100	134.3	162.3	147.4	544	8	Ci.	Cu.-N. NNE	9	Ci.-S.	Cu.-N. NE
3..	NNE	NE	NNE	NNE	NNE	NEbyN	129.8	121.2	175.1	144.3	570.4	7	A.-Cu. E	Cu.	7	A.-Cu.	Cu. ENE
4..	NE	NE	NNE	NNE	NNE	N	154	162.2	186.4	104	606.6	7	Ci.	Cu.-N.	7	A.-Cu.	Cu.-N. NE
5..	NE	ENE	NE	NNE	NNE	NNE	98.8	90.3	181.6	134	504.7	10	Ci.-S.	Cu.-N.	7	Ci.	Cu. NE
6..	N	N	NNE	N	NNE	NNE	99.8	95.3	160.3	145.3	500.7	7	Ci.	Cu.-N. N	6	....	Cu. ENE
7..	NNE	NNE	NE	NW	NE	NEbyN	126.6	66.6	107.2	112.5	412.9	10	Ci.-S.	S.-Cu.	8	A.-Cu.	Cu.-N.
8..	NNE	N	N	NNW	N	N	94.1	100.6	145.4	119.4	459.5	7	A.-Cu. E	S.-Cu.	8	Ci.	Cu. NNE
9..	NNE	N	NNW	N	Calm	Calm	109.4	128.4	115.6	28.5	381.9	7	Ci.-S.	Cu.-N. N	8	Ci.-S.	Cu.-N. N
10..	W	W	NW	NW	Calm	SW	56.5	77.4	69.7	53.1	256.7	10	Ci.-S.	S.-Cu.	7	A.-Cu. NW	Cu.
11..	W	NW	NNE	N	N	N	55.7	82.3	154.4	124.2	416.6	10	Ci.-S.	Cu.-N. N	7	Ci.	Cu.-N. N
12..	N	N	NNW	N	N	N	108	125.7	172	149.5	555.2	8	Ci.-S.	Cu.-N.	6	Ci.	Cu.-N. N
13..	NNE	N	N	N	N	N	166.7	195	229.3	222.4	813.4	10	Ci.-S.	Cu.-N. N	10	Ci.-S.	Cu.-N.
14..	N	NNW	NNW	N	N	N	217.5	246.4	291.1	257.6	1,012.6	10	Ci.-S.	Cu.-N. N	10	Ci.-S.	Cu.-N. N
15..	N	NNW	N	N	N	N	288	307.5	256.7	245.2	1,097.4	10	Ci.-S.	Cu.-N. N	10	Ci.-S.	Cu.-N. N
16..	N	NNW	N	NNW	N	N	226.9	223.2	191.2	159.8	801.1	9	Ci.-S.	Cu.-N. N	10	Ci.-S.	Cu.-N. N
17..	N	N	N	N	NNW	N	138.4	150.9	164.3	271.4	725	10	Ci.-S	S.-Cu.	10	....	N.
18..	N	NE	ENE	ENE	ESE	Calm	336	331.2	174.4	19	860.6	10	....	Cu.-N. ENE	10	Ci.-S.	Cu.-N. ESE
19..	Calm	Calm	Calm	NNE	NNE	N	4.5	7	67	58.9	137.4	8	Ci.	S.-Cu.	4	A.-Cu. SE	Cu.-N. N
20..	NNE	Calm	NW	NW	N	NW	85.5	38.6	87.4	93.3	304.8	2	A.-Cu.	S.-Cu.	6	....	Cu. N
21..	Calm	W	NW	NW	NW	N	35.9	57.4	71.9	169.8	335	7	Ci.-S.	Cu.-N.	7	Ci.-S. SE	Cu.
22..	N	N	N	N	NNE	N	233.1	239.2	243.5	186.6	902.4	10	Ci.-S.	Cu.-N. N	8	Ci.-S.	Cu.-N. N
23..	N	N	N	N	N	N	158.8	148.2	130.4	97.4	534.8	8	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
24..	NNE	NNE	NNE	NNE	N	N	96	184.5	249.7	239.1	769.3	10	Ci.-S.	Cu.-N. N	8	Ci.-S.	Cu.-N. N
25..	NNE	NEbyN	NNE	NNE	NNE	NNE	195.7	210.8	246.4	205.3	858.2	8	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N. NNE
26..	NNE	N	N	N	N	N	179.1	199.2	210.2	136.7	725.2	7	Ci.-S.	Cu.-N. NNE	6	Ci.-S.	Cu.-N. N
27..	N	N	NNE	N	N	N	102.2	131.3	120.5	131.1	485.1	7	Ci.	S.-Cu.	10	Ci.-S.	N. E
28..	N	Calm	Calm	NW	NE	NNE	26.6	38.6	85.9	133.8	284.9	9	Ci.-S.	S.-Cu. E	6	A.-Cu.	Cu. E
29..	NE	NNE	NNE	NEbyN	NNE	NNE	158.7	76.7	139.7	139.7	514.8	7	Ci.	Cu.-N.	7	A.-Cu.	Cu. E
30..	NE	NE	NNE	NNE	NNE	NNE	85	96.1	180	194.1	555.2	9	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.
Mean	......	......	......	......	......	......	132.1	139.2	163.1	143.4	577.7	8.3	....	....	7.8	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	17,331.6	....	....	....	....	....	....

ATIMONAN

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, −1.74 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.08	60.27	60.89	59.05	60.03	61.07	60.23	26	26.5	27.2	27.7	26.8	27.4	26.9	28.2	24.8	94	93	87	86	90	84	89	12.9
2..	60.41	60.27	61.74	59.60	60.30	60.80	60.52	24.9	26.5	28	27.7	25.8	26.7	26.6	28.2	24.2	93	86	81	81	90	85	86	6.6
3..	59.36	59.34	60.17	57.81	58.37	59.05	59.02	26.3	26.5	26.8	26.6	26.8	24.9	26.3	27.2	24	87	88	85	90	87	97	89	27
4..	57.78	57.76	58.51	56.51	56.37	57.46	57.40	25.7	25.5	25.8	26.3	26.2	25.8	25.9	26.8	24.9	92	93	87	86	90	90	89.7	.8
5..	56.22	56.72	58.04	55.80	56.91	57.82	56.92	25.7	25.4	27.8	27.8	25.8	24.7	26.2	28.8	24.1	88	89	88	87	93	97	90.3	7.4
6..	57.26	57.36	58.33	56.41	57.59	58.79	57.62	24.5	24.1	29.6	30	27.8	25.9	27	31.6	23.5	98	99	77	73	76	85	84.7	.3
7..	58.10	58.48	59.38	57.72	58.32	59.87	58.64	23.8	23.1	28	29.6	27.8	25.6	26.3	30.4	22.7	96	99	87	75	85	90	88.7	......
8..	58.91	58.98	60.32	58.31	58.49	59.99	59.17	23.9	23.7	28	29	27.4	27.1	26.5	29.6	23.2	98	97	87	81	85	87	89.2	......
9..	59.02	59.27	60.54	58.72	59.59	60.78	59.65	26.1	26	28.4	28.8	27.8	26.9	27.3	30.5	25.5	91	92	83	79	83	82	85	......
10..	60.02	60.35	61.72	59.28	60.12	61.47	60.49	26.3	26.4	29.4	27.2	26.8	26.7	27.1	29.6	23.5	86	85	79	85	84	83	83.7	7.4
11..	60.18	61.04	61.55	59.88	60.74	61.17	60.76	26	25.9	27.2	27.8	24.8	26.5	26.4	28.1	23.2	88	88	84	80	87	84	85.2	12.5
12..	59.20	59.93	60.83	59.04	59.54	60.45	59.83	25.8	25.6	28.2	26.8	26.8	26.5	26.6	29.2	25.1	93	94	84	86	85	85	87.8	1.3
13..	58.89	59.06	60.14	57.86	58.44	59.07	58.91	25.7	25.5	25.8	26.8	26.8	26.1	26.1	27.7	24	90	89	87	85	87	91	88.2	4.1
14..	57.92	58.75	59.73	57.42	57.91	59.10	58.47	25.1	24.5	25.3	24.8	25.8	25	25.1	26.2	23.4	96	96	85	87	82	89	89.2	51.1
15..	58.68	58.87	60.29	58.38	59.32	60.43	59.33	23.9	24	24.6	24.8	25	25.3	24.6	25.3	23	96	96	95	93	92	88	93.3	31.8
16..	59.09	59.76	60.94	59.27	60.13	61.31	60.08	24	24.5	25.8	26.8	26.2	26.4	25.6	27.1	23.2	96	92	91	80	82	80	86.8	5.3
17..	60.11	60.78	62.36	60.54	61.06	61.91	61.13	26.1	25.2	24.8	25.8	25.2	25.6	25.4	26.1	23.2	82	90	93	85	90	90	88.3	40.7
18..	60.88	61.50	62.73	61.04	61.45	62.44	61.67	24.7	24.5	25.2	25.9	25.6	25.8	25.3	26.2	23.5	96	96	92	83	81	81	88.2	10
19..	62.20	62.26	63.45	61.70	62.39	63.45	62.58	24.5	24.4	26.6	26.8	25.2	25.8	25.6	27.1	23.5	87	85	77	74	85	82	81.7	2.1
20..	61.98	62.14	63.19	61.32	61.79	63	62.24	25.1	25	27.2	26.4	26.2	25.7	25.9	28.3	24.3	88	89	84	87	86	87	86.8	1.8
21..	61.90	62.31	63.29	61.83	62.08	63.81	62.54	24.9	23.9	27.6	26.4	25.8	25.6	25.7	29.1	23.2	89	93	84	91	90	88	89.2	16.8
22..	62.51	62.40	63.37	61.23	62.07	63.23	62.47	24.6	24.5	26.7	27.2	25.8	25.4	25.7	27.6	22.8	87	88	80	82	89	91	86.2	2.3
23..	61.68	61.74	62.62	60.48	61.33	62.01	61.64	24.8	25	27	25.8	25.8	25.3	25.6	27.6	24	94	93	85	93	93	93	91.8	6.1
24..	60.51	60.71	61.53	59.55	59.90	60.48	60.45	24.6	25	26.7	27	26.6	26.1	26	28.1	23.7	93	91	85	86	85	88	88	12.7
25..	59	59.46	61.16	59.58	60.22	61.23	60.11	25.5	25.6	26.2	25.8	26.4	26.1	25.9	26.8	23.9	89	91	87	90	83	86	87.7	8.9
26..	60.11	60.54	61.65	59.60	60.14	60.52	60.43	25.5	24.9	26.2	26.8	26.4	25.8	25.9	27.4	24	92	96	89	86	88	88	89.8	3.1
27..	59.89	60.34	61.52	59.69	60.73	61.17	60.56	24.4	25	26.8	27.2	26	26.1	25.9	28.2	23.5	92	88	87	87	88	89	88.5	1.3
28..	59.88	60.15	61.39	59.59	60.85	61.89	60.62	25.7	25.5	26.2	26.4	25.8	25.8	25.9	27	24.6	95	96	94	90	90	85	91.7	3.9
29..	61.29	62.11	63.44	61.60	62.22	62.99	62.28	24.5	23.5	23.8	23.4	23	24.2	23.7	25.3	22.5	92	96	96	97	97	85	93.8	39.9
30..	62.29	62.89	64.23	62.85	63.70	64.25	63.37	24.3	24	24.9	24.8	24.6	24.3	24.5	25.1	22.5	84	80	71	72	72	70	74.8	.8
31..	63.59	63.86	64.79	62.70	63.26	63.87	63.68	23.2	23.3	24	23.6	23.8	24.7	23.8	24.7	22	73	73	75	82	81	76	76.7	3.1
Mean	59.97	60.30	61.41	59.50	60.17	61.13	60.41	25	24.9	26.6	26.7	26	25.8	25.8	27.7	23.7	90.8	91	85.4	84.5	86.3	86.3	87.4	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	322

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NNE	NNE	NNE	NNE	NE	NE	172.2	202.2	208.9	188.6	771.9	9	Ci.	Cu.-N. NNE	6	Ci.	Cu.-N. NE
2..	NNE	NNE	NNE	NNE	NNE	NNE	143.7	209.5	237	215.8	806	10	Ci.-S.	Cu.-N. NNE	7	A.-Cu. E	Cu.-N. NE
3..	NE	NE	NNE	NNE	N	NNE	213	169.2	192.6	158.8	733.6	10	Ci.-S.	Cu.-N. NE	10	Ci.-S.	Cu.-N. NE
4..	NNE	N	NNE	NNE	NNE	NNE	136	133	187.1	117.5	573.6	10	Ci.-S.	Cu.-N. NE	8	Ci.-S.	Cu.-N. NE
5..	NNE	NE	Calm	NW	Calm	Calm	75.1	12.1	47.3	20.4	154.9	8	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N. ESE
6..	WSW	Calm	SE	SE	Calm	S	20.4	44.6	42.6	41.3	148.9	5	Ci.-S.	S.-Cu.	7	Ci.	Cu.-N. SE
7..	S	SSW	E	Calm	Calm	Calm	33	22.2	23.5	22.2	100.9	10	Ci.-S.	S.-Cu.	6	....	Cu. SSE
8..	SSW	SW	NNW	NW	N	NNE	41.2	57.9	106	87.1	292.2	6	Ci.-Cu. E	S.-Cu.	1	....	Cu.
9..	NNE	NE	NNE	NNE	NNE	NNE	82.3	46.5	150.5	130.4	409.7	7	Ci.-S.	Cu. NE	1	....	Cu.
10..	NE	NE	ENE	NNE	NNE	NNE	129.5	111.2	145	134.9	520.6	8	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N. NE
11..	NNE	NE	NEbyN	NNE	Calm	NNE	125.5	100.8	137.8	79.4	443.5	6	Ci.	Cu. NE	8	A.-Cu.	Cu.-N. NE
12..	N	N	NNW	NNW	N	N	90.1	90.4	103.5	73.7	357.7	5	Ci.-S.	Cu.-N.	6	....	Cu.
13..	NNW	N	NW	NW	N	N	106.5	112.1	124.5	110.2	453.3	10	Ci.-S.	Cu.-N. NNW	7	A.-Cu.	Cu.
14..	N	N	N	NNE	NNE	NNE	182.4	272.5	231.1	185	871	10	Ci.-S.	N. N	10	Ci.-S.	Cu.-N. N
15..	NNE	N	N	NbyW	NNE	NNE	117.5	167.3	181.8	128.7	595.3	10	....	N.	10	....	Cu.-N. N
16..	N	ENE	E	NEbyN	NE	NNE	123.7	99.2	197.1	179.6	599.6	10	Ci.-S.	N.	8	Ci.-S.	Cu.-N. NNE
17..	NNE	NNE	NEbyE	ENE	ENE	NE	193.1	182	176.7	137	688.8	10	Ci.-S.	Cu.-N. NE	10	Ci.-S.	Cu.-N. N
18..	ENE	NNE	NNE	NbyE	NNE	NNE	159.3	187.3	245.2	222.1	813.9	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. NNE
19..	NNE	NNE	NNE	NNE	NNE	NNE	211.3	191.2	184.2	120.4	707.1	10	Ci.-S.	Cu.-N. NE	8	A.-Cu.	Cu.-N.
20..	NE	NE	NW	N	NNE	NNW	107.5	86.3	126.1	69.5	389.4	10	A.-Cu.	S.-Cu.	7	....	Cu. E
21..	NNE	Calm	NW	NNW	NNW	NNE	93.8	49.9	183.2	137.8	464.7	9	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N. NNE
22..	Calm	NNE	NNE	NNE	NNE	N	133.6	186	228.2	162.3	710.1	7	Ci.-S.	Cu.-N.	7	Ci.	Cu.-N. NE
23..	N	N	NNE	NNW	NNW	NNW	157.4	124.4	133.4	138.6	553.8	9	Ci.-S.	Cu.-N. NNE	7	Ci.-S.	Cu. ESE
24..	N	N	NW	NW	NNE	N	111	81.8	114	113.3	420.1	10	Ci.-S.	Cu.-N. NNE	5	A.-Cu.	Cu.
25..	N	N	NNE	NNE	N	N	142.2	163.1	174.1	152.9	632.3	10	Ci.-S.	N.	10	Ci.-S.	Cu.-N.
26..	NNE	NE	NNE	NNE	NE	NNE	139	153.9	159.3	119.6	571.8	10	Ci.-S.	N.	9	Ci.-S.	Cu.-N. NE
27..	NNE	NNE	N	NNW	N	N	75.6	92.2	153.7	128.5	450	8	Ci.-S.	N.	8	Ci.-S.	Cu.-N.
28..	N	N	N	N	N	NNE	171.7	174.3	225.3	225.5	796.8	10	Ci.-S.	N. N	8	Ci.-S.	Cu.-N. N
29..	NNE	N	NNE	NNE	NNE	NNE	206.5	184.7	276.2	315.7	983.1	10	Ci.-S.	N.	10	Ci.-S.	N.
30..	NNE	NNE	NNE	NNE	NNE	NNE	326.6	329.2	332.1	329.3	1,317.2	10	Ci.-S.	Cu.-N. NNE	8	Ci.-S.	Cu.-N. NNE
31..	NNE	NNE	NNE	NNE	N	N	281.3	261.5	255.9	243.3	1,042	9	Ci.-S.	Cu.-N. NNE	8	Ci.-S.	Cu.-N.
Mean	......	......	......	......	......	......	138.8	138.7	170.4	144.8	592.7	8.9	....	....	7.5	....	....
Total	......	......	......	......	......	......	......	......	......	......	18,373.8	....	....	....	....	....	....

AMBULONG, TANAUAN, BATANGAS

[ϕ=14° 07′ N; λ=121° 04′ E; barometer above sea, 10.5 [a] meters; gravity correction not applied, —1.74 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	mm.
1..	60.56	60.89	62.09	60.08	61.10	62.09	61.14	22.6	22.8	28.5	29.3	26.8	25.2	25.9	30.2	22.6	93	92	68	69	78	85	80.8	......
2..	61.02	61.23	62.34	60.07	60.98	62.43	61.34	24.2	23.5	29	30.2	26.8	25.3	26.5	30.4	23.4	90	93	65	64	80	84	79.3	0.5
3..	61.28	61.49	62.33	60.44	61.15	63.02	61.62	25	24.5	28.7	28.8	26.4	24	26.2	30.2	23.5	85	87	68	69	78	91	79.7	......
4..	62.20	62.59	63.17	61.16	62.09	63.29	62.42	23.9	23.5	27.8	29.1	26.2	24.3	25.8	29.2	23.3	91	90	69	70	82	91	82.2	1.5
5..	61.67	62.59	63.68	62.04	63.18	64.34	62.92	24	23.2	27.1	28.9	26.2	24.8	25.7	29.3	23	91	95	72	65	82	85	81.7	......
6..	63.92	64.26	64.99	63.49	64.28	64.87	64.30	24.1	22.6	24.9	26.6	23.4	22.3	24	26.7	22	91	93	83	74	88	88	86.2	......
7..	63.24	63.21	63.59	61.44	62.70	63.70	62.98	22.2	22.3	25.7	27.6	25	24.2	24.5	27.8	22	92	92	81	69	83	86	83.8	......
8..	62.36	62.79	62.88	60.53	61.10	61.66	61.89	23	23.2	26.2	26.6	25.3	24	24.7	28	22	91	90	82	81	84	91	86.5	......
9..	60.44	60.99	61.92	59.73	60.17	61	60.71	23.9	22.8	27.8	28.2	28	23.3	25.7	30.7	22.7	89	92	71	77	77	90	82.7	......
10..	60.14	60.49	60.99	58.37	59.67	60.42	60.01	23.1	21.5	27.8	31.2	27.3	22.2	25.5	31.3	21.3	90	92	69	60	69	90	78.3	......
11..	59.28	59.64	60.49	58.44	58.77	60.33	59.49	21.2	21.3	27.3	31	29.5	22.2	25.4	31.1	20.8	92	92	70	61	68	89	78.7	......
12..	59.84	60.09	60.79	58.64	59.47	60.70	59.92	21.2	21.2	28.3	31	27.8	23	25.4	31.9	20.8	92	93	76	62	78	91	82	......
13..	60.06	60.36	61.57	58.86	59.63	62.16	60.44	21.7	21	29	32.2	27	21.8	25.4	32.3	20.9	92	95	71	59	72	92	80.2	......
14..	61.38	62.12	63.74	61.37	62.14	62.99	62.29	22.1	20.5	25.5	27.2	25.7	23.2	24	29	20.4	93	95	83	71	81	90	85.5	......
15..	62.26	62.54	63.20	60.73	61.52	62.54	62.13	21.4	21.5	29.7	31.2	27.6	25.2	26.1	31.2	21.1	93	93	67	60	73	85	78.5	2
16..	61.98	62.14	63.24	61.37	62.10	63.34	62.36	23.8	23.5	28.2	29	26.8	24.7	26	29.3	23.3	92	92	76	74	78	84	82.7	......
17..	62.49	63.21	64.37	62.36	63.59	64.68	63.45	23	22.7	28.5	30.6	25.8	23.2	25.6	30.8	22.3	91	89	68	63	81	90	80.3	......
18..	63.81	64.11	64.89	62.97	63.59	64.59	63.99	21.7	20	27	30.6	26.2	22	24.6	30.7	19.9	90	92	71	63	82	93	81.8	......
19..	63.69	64.21	64.84	63.32	64.25	64.92	64.20	22	21.4	27.5	29	24	22.1	24.3	30.8	21.4	92	93	75	71	86	94	85.2	.8
20..	63.45	63.74	64.04	61.54	62.73	63.93	63.24	22.2	21.6	25.6	27.5	24	23.5	24.1	27.6	21.5	92	93	81	70	86	87	84.8	......
21..	63.30	63.43	64.28	62.14	62.39	63.61	63.19	22.3	22	27.4	29.3	24.7	22.8	24.8	29.4	21.4	90	91	69	69	78	88	80.8	......
22..	62.74	63.15	64.19	62.09	62.57	63.90	63.11	20.7	19.8	27	29.7	24.8	20.3	23.7	29.9	19.6	91	91	72	68	85	91	83	......
23..	62.39	62.66	63.69	60.89	61.18	62.94	62.29	20	19.5	27.2	29.8	24.8	22.3	23.9	29.9	19.4	92	91	75	69	77	88	82	......
24..	61.64	61.75	62.77	60.24	60.67	61.80	61.48	21.3	21.5	28.3	30.7	25.9	23.7	25.2	30.9	21	88	88	72	63	81	89	80.2	......
25..	60.54	61.20	62.69	60.09	60.32	61.99	61.14	22.6	21.6	28.3	32	26.8	24	25.9	32.2	21.5	89	90	71	60	74	86	78.3	......
26..	61.30	61.83	63.22	61.22	61.97	63.34	62.15	22.8	21.8	27.9	30.2	25.3	23.2	25.2	30.2	21.4	84	92	67	64	77	84	78	......
27..	61.71	61.96	63.67	61.04	61.59	63.18	62.19	21.2	20	28	30.2	25.9	23.2	24.8	30.3	19.8	92	95	72	64	80	90	82.2	......
28..	62.41	61.94	63.14	60.40	60.49	61.85	61.70	21.8	21	28	29	25.9	24.2	25	30	20.7	89	95	70	65	80	90	81.5	......
29..	61.64	61.61	62.79	60.81	61.02	62.29	61.69	22	22.5	29.9	31.2	26.8	23.3	26	31.7	21.8	93	92	67	65	78	90	80.8	......
30..	61.36	61.74	63.05	60.69	61.02	62.29	61.69	21.3	20.2	28.9	31.8	27.2	21	25.1	31.9	20.2	92	93	67	62	71	91	79.3	......
31..	61.15	61.31	62.27	59.93	60.24	61.94	61.14	19	18.5	28.5	32.4	29.2	22	24.9	34.2	18.4	91	91	69	60	70	91	78.7	......
Mean	61.78	62.11	63.06	60.85	61.54	62.78	62.02	22.3	21.7	27.7	29.7	26.2	23.2	25.2	30.3	21.4	90.7	92	72.2	66.5	78.6	88.8	81.5	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	Km.	Km.	Km.	Km.	0–10			0–10		
1..	Calm	NE	NE	NE	Calm	Calm	34	62.3	66	22	184.3	5	Ci.-Cu. NNE	Cu. E	6	Ci.	Cu.
2..	Calm	Calm	NE	NE	NE	Calm	18.2	38.6	38	29.5	124.3	4	Ci.	Cu.	9	Ci.-S.	S.-Cu.
3..	Calm	Calm	NE	NE	Calm	Calm	24.9	42.8	44.8	23.3	135.8	9	Ci.-S.	Cu.-N. E	9	A.-Cu.	Cu.-N.
4..	Calm	Calm	NE	NE	NE	Calm	15.8	41.8	63.1	36.7	157.4	4	Ci.	Cu.	7	Ci.-S.	Cu.
5..	Calm	NE	NE	NE	Calm	Calm	30.4	44.1	50.7	26.9	152.1	10	A.-S.	S.-Cu. E	10	A.-S.	S.-Cu.
6..	Calm	Calm	ENE	ENE	ENE	NE	31.9	107.5	135.8	90.7	365.9	4	Ci.	Cu.	10	A.-S.	S.-Cu. E
7..	NE	NE	NE	NE	NE	NE	78.4	111.3	105.6	58.9	354.2	7	Ci.-S.	Cu. E	7	Ci.-S.	Cu.
8..	Calm	NE	NE	ENE	NE	NE	46.1	77.5	78.3	53.3	255.2	8	Ci.-S.	Cu.-N. E	9	A.-Cu.	S.-Cu.
9..	NE	NE	NE	NNE	Calm	E	37.5	57.6	58.2	34.3	187.6	4	Ci.	Cu.	10	A.-S.	S.-Cu. E
10..	NE	Calm	E	NE	NE	NE	34.9	42	48.5	30.4	155.8	2	Ci.	....	9	Ci.-S.	Cu.-N.
11..	Calm	Calm	NE	SW	SE	Calm	33.6	31.1	43.3	24.6	132.6	3	Ci.	....	8	Ci.-S.	Cu.-N. E
12..	Calm	Calm	Calm	Calm	SE	NE	21.4	25.9	37.5	38.3	123.1	2	Ci.	....	4	Ci.	Cu. E
13..	Calm	NE	NE	NNE	NE	Calm	32.4	37.6	43.8	24.3	138.1	3	Ci.	....	5	Ci.-Cu.	Cu.
14..	Calm	Calm	E	Calm	NE	NE	24.6	32	43.3	45.3	145.2	2	Ci.	....	9	Ci.-S.	Cu.-N.
15..	Calm	Calm	ENE	NNE	ENE	NE	22.8	45.4	70.5	48.5	187.2	2	Ci.	....	4	Ci.	Cu.
16..	NE	Calm	NNE	NNE	NE	NE	47	58.5	88.7	61.8	256	9	Ci.-S.	S.-Cu. E	6	Ci.	Cu.
17..	NE	Calm	NE	NE	NE	Calm	47.2	67.9	84.8	31.7	231.6	5	Ci.	Cu. E	5	Ci.	Cu.
18..	Calm	Calm	NE	NE	NE	Calm	18.5	40.2	76.9	28.4	164	5	Ci.	Cu.	4	Ci.-Cu.	Cu.
19..	NE	Calm	ENE	ENE	NE	Calm	21.4	51.2	75.8	62.2	210.6	2	Ci.	....	9	Ci.-S.	S.-Cu. E
20..	Calm	Calm	NE	NE	NE	NE	28.2	70.2	105.1	96	299.5	10	A.-S. NNE	S.-Cu. E	9	Ci.-S.	Cu.-N.
21..	NE	E	NNE	ENE	NE	NE	50.4	86.6?	108.4	63.3	308.7	7	Ci.-S.	Cu. NE	5	Ci.-Cu.	Cu.
22..	Calm	Calm	ENE	ENE	E	NE	26	55.5	90.1	36.2	207.8	2	Ci.	....	5	Ci.	Cu.
23..	NE	NE	ENE	NE	NE	NE	33	72.6	102.7	41.8	250.1	2	Ci.	....	4	Ci.	Cu.
24..	NE	NE	NNE	NE	NE	NE	43.5	70.6	77.5	36.2	227.8	4	Ci.	Cu.	6	Ci.	Cu.
25..	Calm	Calm	NE	NE	NE	NNE	34.6	52.5	69.8	38	194.9	3	Ci.	....	4	Ci.	Cu.
26..	NE	Calm	NE	NE	ENE	Calm	36.7	54.5	93.5	30	214.7	5	Ci.	Cu.	5	Ci.	Cu.
27..	Calm	Calm	ENE	NE	Calm	Calm	19.1	55.5	73.4	24.7	172.7	9	Ci.-S. NNE	S.-Cu. E	6	Ci.	Cu.
28..	Calm	Calm	NE	NE	NE	NE	21.7	32.8	66.3	48.1	168.9	5	Ci.	Fr.-Cu. E	9	Ci.-S.	Cu.-N.
29..	Calm	Calm	ESE	ESE	NE	Calm	22.5	33.8	37.8	24.6	118.7	10	A.-S.	S.-Cu. E	8	Ci.-S.	Cu.-N.
30..	Calm	Calm	Calm	Calm	Calm	Calm	21.1	25.2	34.1	20.4	100.8	3	Ci.	....	7	Ci.-S.	Cu. E
31..	Calm	Calm	S	SW	Calm	Calm	18.8	22.3	29.5	22.5	93.1	1	Ci.	....	5	Ci.-Cu.	Cu.
Mean	......	......	......	......	......	......	31.5	53.1	69.1	40.4	194.2	4.9	....	....	6.9	....	....
Total	......	......	......	......	......	......	......	......	......	......	6,018.7	......	....	....	......	....	....

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[a] This is an approximate height of the barometer above sea level.

AMBULONG, TANAUAN, BATANGAS

[ϕ=14° 07′ N; λ=121° 04′ E; barometer above sea, 10.5 meters; gravity correction not applied, —1.74 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.36	61.69	62.37	60.17	61.49	62.08?	61.53	20.4	21.4	29.9	33.2	27.8	24.8	26.2	33.9	20.2	91	93	67	56	71	85	77.2	......
2..	62.15	62.34	63.37	61.19	62.17	62.88	62.35	22.9	21.7	30.3	31	27.7	24.2	26.3	32.4	21.5	83	92	64	63	76	86	77.3	......
3..	62.72	63.45	63.97	61.91	62.44	63.63	63.02	20.4	21	28.9	30.9	26.2	23	25.1	31.1	20.3	94	94	74	62	75	91	81.7	......
4..	63.71	64.69	65.29	62.79	63.97	65.23	64.28	20.5	19.6	27	30	25.7	22.3	24.2	30.2	19	91	92	77	65	77	90	82	1.3
5..	64.30	64.91	65.69	63.24	64.69	65.72	64.76	20.7	21.2	24.9	26.6	22.2	21.4	22.8	26.7	20.3	91	93	79	72	89	90	85.7	4.3
6..	64.73	65.64	66.31	63.67	64.36	65.72	65.07	21.1	21	24.9	25.9	23.7	22	23.1	26.2	20.8	92	93	79	75	85	91	85.8	1.3
7..	64.73	65.04	65.74	62.92	64.10	65.22	64.62	21.2	21.3	25.8	27.2	24.2	22.8	23.8	27.3	21	92	92	78	75	82	88	84.5	......
8..	63.55	64.15	64.78	62.14	63.09	63.38	63.52	22.3	22	27.4	29	24.7	23.3	24.8	29.9	21.9	92	96	67	64	82	85	81	......
9..	62.64	63.49	64.84	62.43	62.87	63.53	63.30	22.3	21.3	27.3	30.2	25.6	22.8	24.9	30.4	20.9	90	92	69	64	79	92	81	......
10..	63.14	63.41	64.04	61.19	61.91	63.69	62.90	21.8	20.8	27.7	29.6	25.8	22.7	24.7	29.7	20.8	84	91	67	67	78	89	79.3	......
11..	62.95	63.30	63.94	61.76	62.16	63.79	62.98	21.3	22.2	27.5	31.4	25.5	23.7	25.3	31.6	21.2	90	89	68	59	72	89	77.8	......
12..	62.04	62.09	63.38	60.53	61.02	62.47	61.92	23	22.4	27.5	29	25.9	24	25.3	29.4	22.3	90	88	66	64	77	85	78.3	......
13..	61.11	61.84	62.85	60.07	60.64	62.40	61.48	23.3	22.3	29	31.8	27.8	24.7	26.5	31.9	22.2	89	90	64	57	65	81	74.3	......
14..	61.18	61.50	62.69	60.68	61.69	62.69	61.74	23.2	22.6	27.7	30.3	27	23.7	25.8	32	22.5	84	86	65	64	72	87	76.3	......
15..	62.02	62.59	63.12	60.98	61.96	62.87	62.26	23	21.4	27.4	30.8	26.7	24.1	25.6	30.9	21.2	91	95	67	60	71	84	78	......
16..	62.36	62.40	62.47	59.77	60.06	61.22	61.38	23	20.8	27.8	33	27.8	25.4	26.3	33.2	20.7	91	91	67	61	76	80	77.7	......
17..	60.54	60.88	60.99	58.25	59.03	60.22	59.98	23.5	21.5	28.8	31.8	27.4	23.7	26.1	32.2	21.5	87	87	65	62	68	85	75.7	......
18..	59.23	59.93	60.45	58.54	59.67	60.44	59.71	22.5	20	26.6	29.5	25.7	23.6	24.6	29.6	20	90	95	74	63	74	86	80.3	......
19..	60.07	60.94	61.82	58.78	59.66	60.74	60.34	23	22	27.5	30.4	27	24.3	25.7	30.5	21.9	86	91	75	64	70	84	78.3	......
20..	59.96	61.19	60.97	58.12	58.89	60.02	59.86	20.8	21.6	27.5	30.8	28.6	23	25.4	32	20.6	93	87	66	62	66	91	77.5	......
21..	59.33	60.41	60.82	57.92	58.47	59.18	59.36	21	20.3	27.3	31.3	28.8	23.1	25.3	32.3	19.7	93	91	69	58	67	90	78	......
22..	58.73	59.20	59.45	56.96	58.09	59.82	58.71	21.4	21.5	28.3	30.9	29	22.3	25.6	32.7	20	89	89	66	60	68	90	77	......
23..	58.89	59.52	59.77	57.47	58.54	60.24	59.07	21.3	22	31	32.3	28.8	23.7	26.5	33.7	21.2	95	93	59	55	68	89	76.5	......
24..	60.04	60.61	60.99	58.05	58.73	60.32	59.79	21.4	21.2	31	34.2	27.7	24	26.6	34.4	21.1	92	93	59	54	65	91	75.7	......
25..	59.73	60.89	60.92	58.94	59.92	60.80	60.20	22.1	22.3	29.2	30	25.1	24.2	25.5	31.3	21.9	93	92	63	65	83	85	80.2	......
26..	60.06	61.39	62.08	60.42	61.22	61.82	61.16	23.3	23	28.2	30	25.2	24.2	25.6	30.2	22.7	90	91	62	60	77	85	77.5	......
27..	60.44	61.64	62.32	59.53	59.77	61.49	60.86	23.3	23	30	32	26.4	24.3	26.5	32.1	23	89	86	62	58	73	84	75.3	......
28..	60.90	61.59	61.90	59.08	59.67	60.92	60.68	23.3	22.8	28.4	31	27	21.7	25.7	32.7	21.1	89	86	68	56	70	88	76.2	......
Mean	61.52	62.17	62.76	60.27	61.08	62.23	61.67	22	21.6	28	30.5	26.5	23.5	25.4	31.1	21.1	90	91	68.1	62.3	74.1	87.2	78.8	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.9

Day.	Wind.											Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.			
												Amount.	Form and direction.		Amount.	Form and direction.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.	
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*			
1..	E	Calm	E	SE	NE	Calm	28.5	31.1	39.7	24.1	123.4	3	Ci.	....	8	Ci.-S.	Cu.-N.	
2..	Calm	Calm	NE	NE	NE	Calm	18	27.1	37.6	21.1	103.8	5	Ci.	Cu. E	7	Ci.-S.	Cu.	
3..	Calm	Calm	ESE	NE	NE	NE	19.3	42.8	101.2	52.3	215.6	5	Ci.	Cu. E	5	Ci.	Cu.	
4..	Calm	NE	NE	NE	ENE	NE	38.4	77	104.9	47.7	268	3	Ci.	....	6	Ci.-S.	Cu.	
5..	Calm	NE	NE	NE	ENE	ENE	40	82.9	115.3	91.4	329.6	10	A.-S. N	S.-Cu. ENE	10	A.-S.	S.-Cu.	
6..	ENE	NE	NE	NE	NE	NNE	67.4	84.3	100.6	85.6	337.9	10	A.-S.	Fr.-N. ENE	10	A.-S.	S.-Cu. ENE	
7..	NE	NE	NE	ENE	NE	NE	64.6	92.3	125	81.8	363.7	10	A.-S.	Fr.-N. NE	9	Ci.-S.	S.-Cu.	
8..	NE	NE	NE	NE	NE	NE	61.7	68.6	120.7	84.7	335.7	6	Ci.	Cu. NE	7	Ci.-S.	Cu.	
9..	NE	Calm	NE	NE	NE	NE	43.7	63	116.4	67.6	290.7	6	Ci.-S.	Cu. ENE	6	Ci.-Cu.	Cu.	
10..	NE	NE	NE	NE	NE	N	74.2	85.5	124.9	76.7	361.3	3	Ci.	....	6	Ci.-S.	Cu.	
11..	NE	NE	ESE	NE	NE	NE	62.3	56.3	101.4	95.2	315.2	10	A.-S.	S.-Cu.	5	Ci.	Cu.	
12..	NE	NE	NE	NE	NE	NE	107.6	105.9	102.7	84.5	400.7	6	Ci.	Cu. ENE	9	A.-Cu.	Cu.-N.	
13..	NE	NE	E	NE	NE	NNE	59.3	54.2	101.7	70.3	285.5	6	Ci.-Cu. E	Cu. ENE	7	Ci.-S.	Cu. E	
14..	NE	N	NE	NE	NE	NE	49.6	83.5	119.4	78.7	331.2	3	Ci.	....	6	A.-Cu.	Cu. E	
15..	NE	NE	NE	NE	NE	NNE	70.3	85.9	115.3	66	337.5	7	Ci.-S.	Cu.-N. ESE	5	Ci.	Cu.	
16..	NNE	Calm	E	N	S	Calm	26.9	45.4	47.7	26	146	6	Ci.	Cu. ESE	4	Ci.	Cu.	
17..	Calm	NE	NNE	SW	S	Calm	35.7	48.3	59	22.7	165.7	5	Ci.	Cu.	4	Ci.	Cu.	
18..	Calm	E	Calm	NE	NE	NNE	23.9	35.9	85.1	52.6	197.5	3	Ci.	....	8	Ci.-S.	Cu.-N. E	
19..	NE	Calm	ENE	NE	NE	Calm	40.8	60.9	61.7	29.5	192.9	6	Ci.-Cu.	Cu. E	9	A.-Cu.	Cu.-N.	
20..	NE	Calm	SW	SW	Calm	Calm	27.1	30.6	36.8	24.9	119.4	4	Ci.-Cu.	Cu. E	4	Ci.	Cu.	
21..	Calm	NE	SW	SW	S	Calm	31.1	30.1	47.8	33	142	2	Ci.	....	4	Ci.	Cu.	
22..	E	Calm	NE	NE	Calm	E	34	38.4	58.7	23.5	154.6	5	Ci.	Fr.-Cu. E	5	Ci.-Cu.	Cu.	
23..	E	NE	ENE	NE	Calm	Calm	31.2	39.2	49.4	18.7	138.5	5	A.-Cu. ENE	Cu. E	9	Ci.-S.	Cu.-N. E	
24..	Calm	Calm	NNE	NNE	Calm	Calm	21.2	56.8	68.7	30.9	177.6	3	Ci.	....	6	Ci.	Cu.	
25..	Calm	Calm	ENE	NE	NE	NE	20.9	67	115.7	53.3	256.9	7	Ci.-S.	Cu.	7	Ci.-S.	Cu.-N.	
26..	NE	NE	NE	ENE	NE	NE	39.2	97.6	93.8	54.7	285.3	4	Ci.	Cu.	7	Ci.-Cu.	Cu.	
27..	NE	Calm	NE	NE	Calm	Calm	30.6	64.9	68.9	25.1	189.5	4	Ci.-Cu.	Cu.	6	Ci.	Cu.	
28..	Calm	Calm	NE	NE	Calm	Calm	23	38	43.7	11.1	115.8	5	Ci.	Cu.	9	Ci.-S.	Cu.-N.	
Mean	.....	.....	.....	.....	.....	.....	42.5	60.5	84.4	51.2	238.6	5.4	....	....	6.7	....	....	
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6,681.5	.....	....	....	.....	....	....	

AMBULONG, TANAUAN, BATANGAS

[ϕ=14° 07′ N; λ=121° 04′ E; barometer above sea, 10.5 meters; gravity correction not applied, −1.74 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.26	60.74	61.67	58.92	59.67	60.80	60.34	22.4	22.3	29.1	33	27.5	22.5	26.1	33.1	20.6	90	88	65	50	66	88	74.5	....
2..	60.34	60.69	61.26	59.27	60.27	61.69	60.59	19.2	20	29.7	32.8	27	24.6	25.6	32.9	18.5	95	95	62	51	70	85	76.3	....
3..	60.82	61.79	62.46	60.07	61.02	62.27	61.41	24	23.4	30.6	31.8	26.9	24.9	26.9	32.3	23.3	86	88	55	55	70	84	73	....
4..	61.32	62.25	62.16	60.27	61.33	62.04	61.56	23.2	23.6	31.8	32.3	27	24	27	34.5	21.8	90	84	57	56	70	86	73.8	....
5..	60.99	62.22	62.22	59.38	60.42	61.69	61.15	20	19.4	31	32.3	26.7	23	25.4	33.5	18.2	94	94	57	55	74	91	77.5	....
6..	60.61	61.45	61.34	58.91	60.37	61.34	60.67	21	20.3	31	33.8	27.8	24.3	26.4	34	19.9	93	91	57	58	65	84	74.7	....
7..	60.25	61.25	61.47	59.01	60.22	61.04	60.54	24	23.5	32	32.3	26.7	24.5	27.2	34.4	23	86	89	58	59	71	84	74.5	....
8..	60.24	61.34	61.25	59.28	60.07	61.19	60.56	23.2	22.6	30.7	31.2	26.8	25	26.6	31.3	21.2	90	88	57	58	74	83	75	....
9..	60.10	61.34	61.09	59.22	60.32	61.34	60.57	24.5	23.3	30.4	31.2	27.4	24.7	26.9	32	23	87	89	58	58	67	81	73.3	....
10..	60.33	61.34	61.83	59.51	60.36	61.38	60.79	24.4	24.5	33.5	35.4	29.4	26.8	29	35.6	24.2	88	89	58	52	68	85	73.3	....
11..	60.49	61.79	61.46	59.16	60.76	61.83	60.92	24.2	23.8	31.3	33.2	28	26.2	27.8	33.2	23	90	91	54	54	66	77	72	....
12..	60.44	62.53	62.72	59.92	60.52	61.44	61.26	26.1	25	31	33.7	28.7	24.1	28.1	34.2	22.6	79	85	57	51	68	87	71.2	....
13..	60.27	62.11	62.49	59.90	59.76	61.24	60.96	23.9	23.3	31.4	34.8	29.5	24	27.8	34.8	22.8	87	89	55	52	55	86	70.7	....
14..	60.24	61.04	62.59	59.70	60.42	61.69	60.95	24	23	30.9	33	28.6	25.4	27.5	33.2	22.3	85	91	57	52	63	77	70.8	....
15..	61.05	61.71	62.50	60.04	60.15	61.44	61.15	24.8	23.8	31.6	35.9	30.4	24.5	28.5	36.9	23.7	84	88	63	48	63	84	71.7	....
16..	60.99	61.64	62.44	59.81	60.38	61.65	61.15	24	22.5	30.3	33.7	28.6	24.9	27.3	34	22.5	86	87	61	53	64	83	72.3	....
17..	60.42	61.05	62.62	60.13	60.72	62	61.16	23.3	23.2	28.7	33.2	27.8	25.3	26.9	33.4	22.8	89	90	64	53	65	81	73.7	1
18..	60.54	61.66	62.54	60.17	60.90	62.74	61.42	24.2	23	31.8	34.3	29.3	26.2	28.1	34.3	23	85	87	55	47	62	79	69.2	....
19..	61.55	62.25	63.14	60.80	60.77	62.74	61.88	25.7	25	30.9	33.3	29.2	26	28.4	34	24.9	81	83	56	55	65	79	69.8	....
20..	61.24	62.02	62.72	60	60.37	61.34	61.28	24.4	24.5	29.8	32.6	29.8	27.2	28	33.1	23.8	84	84	62	53	68	69	70	....
21..	60.09	60.62	61.29	58.97	59.15	61.01	60.19	25.5	24.8	31.2	33.7	30.4	25.8	28.6	35	23.9	83	84	58	54	56	81	69.3	....
22..	60.13	60.39	60.92	58.84	58.80	60.34	59.90	22.2	22.8	27.3	32.4	29.6	23.8	26.4	33	21.1	93	92	68	54	57	85	74.8	....
23..	60.18	60.41	61.08	58.36	58.94	59.93	59.82	21.5	20	28	31.4	29	25	25.8	31.6	19.9	87	92	63	53	66	83	74	....
24..	59.84	60.24	60.37	57.64	58.72	60.06	59.48	22.5	21.8	29.2	33.2	31.3	27.7	27.6	34	21.6	90	92	63	60	58	72	72.5	....
25..	59.11	60.12	60.58	57.82	58.81	60.91	59.56	24	23	33.7	35.8	30.2	25.8	28.8	37.4	22.9	84	86	54	48	60	79	68.5	....
26..	60.03	60.93	61.74	59.20	59.51	60.81	60.37	25.3	24.5	30	33.4	29.7	26.2	28.2	33.5	24.5	81	84	57	53	60	78	68.8	....
27..	59.43	59.89	61.03	58.15	58.47	60.19	59.53	25.2	23.5	31.1	33.8	29.2	26.5	28.2	34.4	23.4	85	84	56	53	63	77	69.7	....
28..	59.62	60.19	61	58.10	58.86	60.87	59.77	25.1	24	32.2	34.5	30.2	26.2	28.7	35	23.9	86	91	55	49	64	78	70.5	....
29..	59.28	60.30	60.81	58.49	58.82	60.54	59.71	25	24.8	32	33.9	29.2	26.5	28.6	33.9	24.2	85	85	54	51	63	79	69.5	....
30..	58.76	58.97	59.89	57.57	57.69	60.12	58.83	25.2	23.6	30	32.2	29.2	25.4	27.6	33.1	23.5	82	86	59	53	57	84	70.2	....
31..	58.32	58.57	59.42	56.82	56.85	59.34	58.22	24.4	24.2	31.6	32.2	30.8	27	28.4	33	23	90	90	59	58	63	77	72.8	....
Mean	60.23	61.06	61.62	59.14	59.79	61.19	60.51	23.8	23.1	30.8	33.2	28.8	25.3	27.5	33.8	22.5	86.9	88.3	58.5	53.4	64.5	81.5	72.2	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	N	NNE	NE	NE	Calm	Calm	32.7	55.7	53.9	13.9	156.2	6	Ci.	Cu. ESE	5	Ci.	Cu.
2..	NE	Calm	NE	NE	NE	NE	17.5	32.5	56.3	29.2	135.5	3	Ci.	....	6	Ci.	Cu.
3..	Calm	Calm	NNE	NE	NE	NE	22.8	49.3	93	51.8	216.9	10	Ci.-S.	Cu.-N. E	6	Ci.-Cu.	Cu.
4..	Calm	Calm	ESE	NE	Calm	Calm	16.9	39.2	104.4	26.4	186.9	5	Ci.	Cu. E	6	Ci.	Cu.
5..	Calm	Calm	Calm	NE	Calm	Calm	10.8	32.2	.....	.....	....	2	Ci.	....	8	Ci.-S.	Cu.-N. E
6..	Calm	NNE	NE	NE	Calm	Calm	.....	.....	.....	.....	....	1	Ci.	....	5	Ci.	Cu.
7..	Calm	NE	NE	NE	Calm	Calm	.....	.....	104.8	21.1	....	3	Ci.	....	5	Ci.	Cu. E
8..	Calm	Calm	ENE	NE	Calm	Calm	17.7	43.3	74.8	10.5	146.3	2	Ci.	....	4	Ci.	Cu.
9..	NE	Calm	NE	NE	ENE	NE	23.8	65	75.3	39.2	203.3	4	Ci.	Cu. E	5	Ci.	Cu.
10..	Calm	Calm	NE	ENF	Calm	Calm	22	49.9	45.3	17.9	135.1	4	Ci.	Cu. E	6	Ci.	Cu.
11..	Calm	Calm	NE	ENE	Calm	Calm	13.4	67.8	74.2	12.3	167.7	6	Ci.	Cu. E	6	Ci.-Cu.	Cu.
12..	Calm	Calm	E	NE	NE	Calm	4.5	49.9	84.8	24.6	163.8	5	Ci.	Cu. E	6	Ci.	Cu.
13..	NNE	Calm	NE	NE	NE	Calm	30.6	63.6	79.5	27.9	201.6	5	ci.-cu. NE	Cu. E	4	Ci.	Cu.
14..	Calm	Calm	NNE	NNE	NE	Calm	17.5	51.2	68.9	35.7	173.3	5	Ci.-Cu.	Cu. E	7	Ci.-S.	Cu.
15..	NE	NE	NE	NNF	E	N	31.4	41.6	58.2	29.6	160.8	6	Ci.-Cu.	Cu. E	4	Ci.	Cu.
16..	Calm	Calm	NE	NNE	Calm	Calm	25.5	60.6	89.6	30.4	206.1	2	Ci.	....	5	Ci.	Cu. E
17..	NE	Calm	NE	NE	E	Calm	33	58.7	62.5	32.4	186.6	10	Ci.-S.	Fr.-N. E	8	Ci.-S.	Cu.-N. E
18..	Calm	Calm	NNE	NE	NE	Calm	34.6	44.5	91.4	38.8	209.3	7	Ci.-Cu.	Cu. E	5	Ci.	Cu.
19..	Calm	NE	NE	NNE	NE	Calm	35.1	52	59.8	35.9	182.8	4	Ci.	Cu. E	8	Ci.-S.	Cu.-N.
20..	Calm	Calm	NE	NE	NE	NE	21.7	51.8	71.6	40.8	185.9	5	Ci.	Cu. E	9	Ci.-S.	Cu.-N.
21..	Calm	Calm	ESE	SE	ESE	Calm	22.2	37.8	51.8	19.9	131.7	6	ci.-cu. ENE	Cu. E	7	Ci.-S.	Cu.-N.
22..	E	Calm	SW	WSW	SW	Calm	20.7	25.5	52.6	21.7	120.5	3	Ci.	....	4	Ci.	Cu.
23..	Calm	Calm	SW	SW	SW	Calm	22.5	23.9	47	27.7	121.1	2	Ci.	....	5	Ci.	Cu.
24..	Calm	Calm	SW	SW	SW	Calm	23.6	27.4	40.4	38.1	129.5	2	Ci.	....	5	Ci.	Cu.
25..	Calm	Calm	SE	NNE	NE	Calm	23	43.1	68.2	18.2	152.5	4	Ci.	Cu.	5	Ci.	Cu.
26..	Calm	Calm	NE	NE	NE	NE	31.1	59.7	97.6	32.7	221.1	4	Ci.-Cu.	Cu.	5	Ci.	Cu.
27..	Calm	Calm	ENE	NE	NE	Calm	23.5	48.8	93.8	31.9	198	2	Ci.	....	5	Ci.-Cu.	Cu.
28..	Calm	Calm	NNE	ENE	NE	Calm	14.8	35.2	65	16.1	131.1	5	Ci.	Cu. E	8	Ci.-S.	Cu.-N. E
29..	Calm	Calm	NE	NE	NE	NE	20.3	57.9	135	63.9	277.1	6	Ci.-Cu.	Cu. E	4	Ci.-Cu.	Cu.
30..	NE	Calm	NE	NE	NE	Calm	45.9	65.2	93.1	30.9	235.1	5	Ci.	Cu.	9	Ci.-S.	S.-Cu. ENE
31..	Calm	NE	E	W	SW	Calm	15.6	50.9	61.5	38	166	5	Ci.	Cu. ENE	7	Ci.-S.	Cu.
Mean	......	......	......	......	......	......	23.3	47.7	74.3	29.6	175.1	4.5	....	....	5.9	....	....

AMBULONG, TANAUAN, BATANGAS

[ϕ=14° 07′ N; λ=121° 04′ E; barometer above sea, 10.5 meters; gravity correction not applied, —1.74 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.80	59.24	60.37	57.77	58.32	60.32	59.14	24.3	22.5	29.3	32.9	29.8	26.1	27.5	34.9	22.4	84	91	66	58	66	83	74.7	....
2..	59.21	59.47	60.98	58.88	60.05	61.14	59.96	25	23.3	31.4	32.4	26	25	27.2	36	23	87	92	61	59	89	85	78.8	15.7
3..	59.74	59.87	60.48	57.75	57.12	59.54	59.08	24.2	23.9	30.3	32	30.5	27	28	33	23.4	90	89	66	60	65	72	73.7	....
4..	58.61	59.04	59.74	58.17	58.05	60.38	59	25	24	30.8	30	30.5	26.7	27.8	33	23.9	85	88	67	68	65	79	75.3	....
5..	59.88	60.02	60.49	58.77	58.87	60.55	59.76	23.9	24	31.2	32	31.8	28.5	28.6	33.7	23.7	89	91	61	60	58	74	72.2	....
6..	59.92	60.19	61.22	58.80	58.87	60.87	59.98	26.8	25	29.2	32.4	30.8	28	28.7	32.4	24.4	78	92	67	56	63	74	71.7	....
7..	59.63	59.83	60.73	57.95	57.81	59.44	59.23	26	24.3	30.8	34.2	31	27	28.9	35.2	24.2	84	85	63	52	62	80	71	....
8..	58.69	58.97	59.66	57	57.17	58.84	58.39	25.8	24	30	35.8	31.6	25.3	28.8	36	23.8	85	87	62	48	56	82	70	....
9..	57.76	57.93	59.12	56.69	57.02	58.09	57.77	25.7	25.6	34.3	34.4	30.5	28	29.8	35.7	25.6	83	83	55	52	62	76	68.5	....
10..	56.92	57.59	58.71	56.37	56.58	58.07	57.37	27.1	26	32.8	35	32	29	30.3	36.7	25.9	81	84	62	55	54	69	67.5	....
11..	57.32	57.50	59.02	57.17	57.24	58.67	57.82	26.9	26.2	29.3	28	29.8	27.8	28	31.2	25.9	77	86	69	77	66	74	74.8	.8
12..	57.49	57.66	58.78	56.70	56.50	58.59	57.62	26	25	32.6	35.3	33.2	28	30	36.5	24.9	85	88	53	50	60	77	68.8	....
13..	58.04	58.15	59.27	56.88	56.34	59.05	57.96	26	25	31	34.8	32	27.7	29.4	35.2	25	79	85	59	52	60	68	67.2	....
14..	58.33	58.51	59.37	56.99	56.89	59.84	58.32	24.2	24	34	34.2	32.9	26.3	29.3	36.2	23.8	90	88	51	54	58	74	69.2	....
15..	58.89	59.34	59.96	57.79	57.60	60.17	58.96	23.8	23	34.5	33.8	32.5	28.7	29.4	35	22.2	87	86	53	51	58	71	67.7	....
16..	59.37	59.72	59.93	57.54	57.73	59.52	58.97	25	23	32.4	35.8	31.9	27	29.2	36.7	22.8	83	88	58	48	57	72	67.7	....
17..	58.70	58.96	59.62	57.66	57.15	58.77	58.48	24	24.5	32.3	33.8	32.8	28.7	29.4	37	23	86	87	53	57	51	73	67.8	....
18..	58.06	58.20	59.41	57.12	57.07	59.02	58.15	24.5	24.3	31.8	34.2	33	28.2	29.3	36.3	24	84	84	55	54	56	76	68.2	....
19..	58.69	58.92	60.30	58.25	58.13	60.25	59.09	25.4	26	33.8	35.8	33	28	30.3	37	25.2	85	84	57	48	57	77	68	....
20..	59.89	60.02	61.26	58.79	58.72	60.61	59.88	24.2	25.2	31.8	35.7	31.5	27.7	29.4	36.3	23.7	90	85	55	49	59	72	68.3	....
21..	59.87	59.92	60.77	57.80	57.98	60.89	59.54	26	25.1	32.3	35.8	32.7	27.2	29.8	36	25	84	84	59	48	57	71	67.2	....
22..	59.82	60.27	60.97	58.19	58.15	60.11	59.58	24.4	23	33	35.8	33.8	27.6	29.6	37.3	22.8	85	86	56	48	56	68	66.5	....
23..	59.59	60.07	60.85	58.17	58.40	60.67	59.62	26.4	25.4	33.2	35.7	30.1	28	29.8	37.2	25.3	81	80	53	48	63	68	65.5	....
24..	60.22	60.57	61.27	58.58	58.25	60.72	59.94	25.5	25.2	32.2	35.5	33.3	28.6	30	35.6	24.4	81	82	53	48	56	71	65.2	....
25..	60.19	60.37	60.85	58.28	58.18	60.65	59.75	26	25.9	33.2	35.4	32.8	28	30.2	36	25.2	79	77	56	49	51	76	64.7	....
26..	59.54	59.74	60.27	58.50	58.35	60.07	59.41	24.7	24.6	33.2	34	29.3	25.7	28.6	34.4	24	84	87	56	56	70	80	72.2	1.5
27..	59.21	59.49	60.24	57.23	57.18	59.34	58.78	23	23.3	29.7	35.4	32.8	27	28.5	36.1	23	84	84	67	50	56	72	68.8	....
28..	58.33	58.91	60.07	57.27	57.73	60.12	58.74	24.3	24.2	32.2	33.2	33	28	29.2	34.2	23.7	91	90	55	53	57	77	70.5	....
29..	59.01	59.37	60.17	57.88	58.73	59.90	59.18	24.3	25	33.3	35.4	32.8	28.5	29.9	36	24	89	87	55	50	57	69	67.8	....
30..	58.84	59.67	60.86	58.50	58.54	60.12	59.42	27.3	26	32.2	35.4	33	27.7	30.3	36	25.7	78	79	53	49	56	72	64.5	....
Mean	58.95	59.25	60.16	57.78	57.82	59.81	58.96	25.2	24.6	31.9	34.1	31.7	27.5	29.2	35.4	24.1	84.3	86	58.5	53.6	60	74.4	69.5	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	SW	SW	W	SE	25.5	27.9	57.6	25.1	136.1	4	Ci.-Cu.	Cu. ESE	9	Ci.-S.	Cu.-N.
2..	E	Calm	N	S	SW	Calm	28.5	35.7	56.1	23.6	143.9	3	Ci.	....	10	Ci.-S.	Fr.-N. SE
3..	Calm	Calm	Calm	SW	ESE	Calm	17.4	22	38.4	25.9	103.7	10	Ci.-S.	S.-Cu. SE	9	Ci.-S.	Cu.-N.
4..	NE	Calm	N	NE	S	Calm	23.5	27.7	48.3	21.5	121	9	Ci.-S.	Cu.-N. SE	10	A.-S.	Fr.-N. SE
5..	Calm	Calm	SW	Calm	SW	Calm	21.4	32.4	41.8	29.6	125.2	6	Ci.	Cu. SE	9	Ci.-S.	Cu.-N. SE
6..	Calm	Calm	SW	Calm	E	Calm	19	31.2	33	24.3	107.5	7	Ci.	Cu. SE	9	Ci.-S.	Cu.-N.
7..	Calm	Calm	Calm	NE	NE	NE	21.2	30.9	58.4	49.6	160.1	5	Ci.	Cu.	8	Ci.-S.	Cu.-N. ESE
8..	E	Calm	NE	NNE	NE	Calm	24.7	46.9	87.5	21.4	180.5	4	Ci.-Cu.	Cu.	5	Ci.	Fr.-Cu.
9..	Calm	NE	ENE	NE	E	NE	32.2	63.9	66.5	37.8	200.4	6	Ci.-Cu.	Cu.	6	Ci.	Cu.
10..	E	Calm	S	SSE	ESE	NE	21.7	49.4	96.9	27.6	195.6	9	Ci.-S.	Cu.-N.	6	Ci.	Fr.-Cu.
11..	Calm	S	SW	NNW	Calm	Calm	19.1	30	27.6	16.7	93.4	9	Ci.-S.	S.-Cu. SE	10	Ci.-S.	Fr.-N. SE
12..	Calm	Calm	Calm	S	SE	Calm	18.8	48.6	77.7	26	171.1	7	Ci.-Cu. E	Cu. ESE	5	Ci.	Cu.
13..	Calm	Calm	S	S	SSE	Calm	23.6	41.8	85.1	24.9	175.4	4	Ci.-Cu.	Cu. ESE	4	Ci.	Cu.
14..	Calm	Calm	E	SW	SE	Calm	20.9	34.1	40.7	22.2	117.9	4	Ci.	Cu.	7	Ci.-S.	Cu. ESE
15..	Calm	Calm	E	Calm	E	Calm	18.8	34.1	34.9	20.4	108.2	4	Ci.	Cu.	10	A.-S.	S.-Cu. ESE
16..	Calm	Calm	Calm	NE	E	Calm	20.9	28.8	75.6	22.8	148.1	4	Ci.-Cu.	Cu.	5	Ci.	Cu.
17..	Calm	Calm	Calm	Calm	E	Calm	24.4	33.6	42.8	30.8	131.6	3	Ci.	....	8	Ci.-S.	Cu.-N.
18..	Calm	Calm	Calm	SW	E	Calm	19.5	11.1?	37	38.4	106	4	Ci.-Cu.	Cu. E	6	Ci.-S.	Cu.
19..	Calm	NE	ESE	NE	ENE	Calm	29.6	41	55.2	22.2	148	4	Ci.-Cu.	Cu.	4	Ci.	Cu.
20..	Calm	Calm	NE	NE	NE	NE	22.5	56.3	77.5	41.6	197.9	7	Ci.-Cu.	Cu. SE	6	Ci.-Cu.	Cu.
21..	Calm	Calm	NE	NE	NE	Calm	17.5	36	71.8	17.5	142.8	7	Ci.-S.	Fr.-Cu. E	5	Ci.	Cu.
22..	Calm	Calm	Calm	NE	NE	Calm	9.5	19	52	22.8	103.3	2	Ci.	....	4	Ci.	Cu.
23..	Calm	Calm	Calm	NNE	Calm	Calm	17.2	17.1	50.9?	14.2	99.4	4	Ci.-Cu.	Cu. ESE	4	Ci.	Cu.
24..	Calm	Calm	Calm	NNE	NE	Calm	15.5	19.3	53.4	21.2	109.4	7	Ci.-S.	Cu.-N. ESE	5	Ci.	Cu.
25..	Calm	Calm	NE	NE	Calm	Calm	15.3	36.2	73.2	19.5	144.2	6	Ci.	Cu. ESE	4	Ci.	Cu.
26..	Calm	Calm	Calm	Calm	Calm	Calm	16.3	18.7	25.4	11.3	71.7	6	Ci.	Cu. E	5	Ci.	Cu.
27..	Calm	Calm	Calm	Calm	Calm	Calm	16.9	20.1	25.9	17.9	80.8	3	Ci.	....	5	Ci.	Cu.
28..	Calm	Calm	Calm	Calm	S	Calm	14.8	16.1	17.4	20.6	68.9	3	Ci.	....	7	Ci.-S.	Cu.-N.
29..	Calm	Calm	NNE	NE	NE	Calm	14	26.8	75.9	23.3	140	7	Ci.-S. NNE	Cu. ENE	4	Ci.	Cu.
30..	Calm	Calm	E	NE	NE	Calm	16.7	34.3	83.4	22.5	156.9	7	Ci.-S.	Cu.-N. ENE	6	Ci.	Cu.
Mean	......	......	......	......	......	......	20.2	32.4	55.6	24.8	133	5.5	....	....	6.5	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	3,989	...	....	....	...	....	....

AMBULONG, TANAUAN, BATANGAS

[ϕ=14° 07′ N; λ=121° 04′ E; barometer above sea, 10.5 meters; gravity correction not applied, —1.74 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.34	59.52	60.25	57.95	57.85	59.92	59.14	26.2	25.6	32.8	35.9	33.8	28.3	30.4	36	25.1	78	81	58	48	54	75	65.7	....
2..	59.36	59.37	59.41	57.08	57.37	60.07	58.78	24	25.2	32.7	35.6	32	27.2	29.5	37.5	23.5	86	87	58	48	60	78	69.5	....
3..	58.99	59.04	59.40	57.63	58.07	59.25	58.73	26	25.8	32.2	35	29.8	27.8	29.4	35	25.7	85	85	55	51	66	73	69.2	....
4..	58.54	59.02	59.45	57.58	58.22	60.12	58.82	27	26.3	32.6	35	31.5	28.2	30.1	37	26.2	78	79	54	49	59	71	65	....
5..	59.51	59.81	60.55	58.28	59.20	60.42	59.63	27.2	26.3	33	35.4	31.8	28.2	30.3	36	25.4	75	78	55	49	58	73	64.7	....
6..	59.40	59.81	60.51	58.08	58.44	59.91	59.36	27	26.3	34.5	35.8	30.5	28.4	30.4	36.2	26	78	82	49	48	65	75	66.2	....
7..	58.82	59.27	59.77	57.55	57.13	58.89	58.57	26.5	26.2	33.5	35.8	32	27.8	30.3	36.1	26	82	82	57	48	60	73	67	....
8..	58.12	58.59	58.82	56.95	57.30	59	58.13	26.7	25.4	33.2	35.8	31.5	28.7	30.2	37.2	25.3	83	88	54	48	57	71	66.8	....
9..	58.57	58.90	59.35	57.08	56.88	59.25	58.34	27	26.2	33.2	35.8	32.4	29.4	30.7	37	26	78	82	54	48	58	71	65.2	....
10..	58.09	58.20	59.18	57.01	56.47	58.22	57.86	27.8	26.7	30	32	31	26.2	29	32.3	24.5	79	83	65	60	62	82	71.8	1.5
11..	57.14	57.54	58.22	55.99	56.13	58.85	57.31	23.4	23.2	30	33.9	29.8	26.8	27.8	34.4	23	90	90	65	56	69	80	75	....
12..	57.34	57.59	58.19	55.78	55.90	57.97	57.13	24.9	23.8	28.8	33	31.8	29.2	28.6	34.5	23.7	84	89	67	55	58	70	70.5	....
13..	57.24	57.51	58.13	55.70	55.81	58.07	57.08	26.3	24.5	28.2	34	32	28.8	29	35.4	24.5	85	92	69	52	58	72	71.3	....
14..	57.27	57.47	57.79	56.03	55.58	57.90	57.01	27	25.4	32.6	35.3	32	29.8	30.4	35.4	25.4	80	85	52	50	60	70	66.2	....
15..	56.84	56.84	57.41	55.45	55.48	57.32	56.56	26.6	25.5	32.6	35.2	33.2	28.5	30.3	35.3	25.5	81	88	56	51	53	74	67.2	....
16..	56.17	56.34	57.18	55.42	55.42	57.37	56.32	25.3	25	30.9	33.3	31.8	28.7	29.2	36	24.9	83	83	60	56	61	71	69	....
17..	56.49	56.67	57.20	54.84	55.64	57.37	56.37	26.4	24.6	31.5	33.6	31.8	28	29.3	36.2	24.6	81	87	57	57	55	74	68.5	....
18..	56.38	56.53	56.86	55.28	55.50	57.33	56.31	25.8	24.5	31.7	35.3	31.9	29.6	29.8	37.1	24.5	82	87	58	49	61	67	67.3	....
19..	56.67	56.80	57.22	54.95	56.55	57.74	56.66	27	26.2	30.5	34	28.4	27.5	28.9	34	25.1	84	84	62	56	72	78	72.7	5.1
20..	56.84	58.04	58.31	56	57.14	58.67	57.50	24.5	24.2	28.5	33.8	28	25.4	27.4	35	24	89	90	69	51	77	83	76.5	....
21..	58.09	58.29	59.04	56.65	57.40	59.42	58.15	25.2	24.7	30	33.4	31.5	27.3	28.7	34.7	24.5	85	86	65	55	63	75	71.5	....
22..	58.32	58.44	58.50	56.35	57.74	59.29	58.11	26.4	25.3	34.3	33.2	25.5	25.4	28.4	36.3	25	81	84	51	54	88	90	74.7	13
23..	57.75	57.99	59	55.95	57.65	58.69	57.84	25.2	24.8	32.7	34	30	27.8	29.1	34.7	24.7	90	88	57	56	65	76	72	....
24..	57.77	57.99	58.67	56.21	57.49	58.57	57.78	25.8	24.8	30.5	33.2	26.4	26	27.8	33.3	24.6	82	88	62	58	89	84	77.2	9.9
25..	57.93	58.04	58.89	57.32	57.34	58.43	57.99	25.8	25.5	31.3	27.6	28	26	27.4	31.4	25.3	84	84	58	73	77	84	76.7	2
26..	57.64	57.74	57.71	55.70	56.32	57.99	57.18	25.4	24.8	32	30.8	29.8	26.8	28.3	32.1	24.8	85	85	66	60	66	81	73.8	....
27..	56.42	56.63	56.76	54.59	55.43	57.22	56.18	25.3	25.6	32	32	27.3	26.5	28.1	32.2	25	86	87	60	57	78	82	75	2.3
28..	56.17	56.39	56.89	54.35	55.63	56.98	56.07	25.2	25	31.2	33.2	27.3	26.3	28	34.2	24	91	92	61	54	84	90	78.7	....
29..	56.07	56.22	56.87	55.39	55.98	58.24	56.46	25.3	25.4	32.9	29.6	26.2	25.5	27.5	33	25	91	88	50	70	84	88	78.5	....
30..	56.61	56.71	57.07	55.53	56.37	58.46	56.79	24.4	25	35	34.6	28.8	27.7	29.3	35.8	24.3	88	92	52	52	72	79	72.5	....
31..	57.79	57.89	58.77	56.88	56.85	58.42	57.77	25.9	25.7	33.3	34.2	29.6	26.4	29.2	36	24.9	86	86	54	54	67	81	71.3	....
Mean	57.67	57.91	58.43	56.31	56.78	58.56	57.61	25.9	25.3	31.9	33.8	30.2	27.6	29.1	35.1	24.9	83.5	85.9	58.4	54	66.3	77.1	70.9	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	NE	Calm	Calm	Calm	17.5	31.4	31.2	11	91.1	8	Ci.-S.	Cu.-N. ENE	7	Ci.	Cu.
2..	Calm	Calm	Calm	NE	Calm	Calm	9.5	21.4	44.9	8.5	84.3	4	Ci.	Cu.	5	Ci.	Cu.
3..	Calm	Calm	NE	NE	NE	NE	14.8	86.3	139.4	66.6	307.1	4	Ci.-Cu.	Cu.	5	Ci.	Cu.
4..	NE	NE	ENE	NE	NE	NNE	45.3	77?	130.2?	63.6	316.1	6	Ci.	Cu. E	5	Ci.	Cu.
5..	Calm	Calm	NE	NE	ENE	NE	30	42.9	114.3	54.7	241.9	5	Ci.-Cu.	Cu. E	7	Ci.-S.	Fr.-Cu.
6..	Calm	Calm	Calm	NE	NE	NE	22.8	48.9	106.5	40.4	218.6	7	Ci.-S.	Cu. E	5	Ci.	Cu.
7..	Calm	Calm	NE	NE	E	Calm	20.7	53.9	54.7	15.1	144.4	6	Ci.-Cu. NNE	Cu. E	8	Ci.-S.	Cu.-N.
8..	Calm	Calm	NE	NE	Calm	Calm	18	44.1	80.8	17.5	160.4	4	Ci.	Cu.	7	Ci.-S.	Cu.
9..	Calm	Calm	Calm	NNE	E	Calm	19.5	27.7	43.1	29.3	119.6	4	Ci.	Cu. E	9	Ci.-S.	Cu.-N.
10..	Calm	Calm	Calm	S	Calm	Calm	19.9	24.3	26.6	15.3	86.1	7	Ci.-S.	Cu. E	9	Ci.-S.	Cu.-N. E
11..	Calm	Calm	Calm	SW	Calm	Calm	15.6	17.4	34.6	15.9	83.5	6	Ci.	Cu. ESE	8	Ci.-S.	Cu.-N.
12..	Calm	Calm	Calm	W	Calm	Calm	7.8	13.1	29.5	26.2	76.6	6	Ci.-Cu.	Cu.	5	Ci.	Cu.
13..	Calm	Calm	Calm	Calm	Calm	Calm	16.9	19.1	19.1	18.2	73.3	6	Ci.	Cu.	8	Ci.-S.	Cu.-N.
14..	Calm	Calm	Calm	Calm	Calm	Calm	4.5	10.8	31.6	16.6	63.5	5	Ci.-Cu.	Cu. SE	9	Ci.-S.	Cu.-N.
15..	Calm	Calm	S	S	Calm	Calm	11.3	33.3	63	22.7	130.3	5	Ci.	Cu.	7	Ci.-Cu.	Cu.
16..	Calm	Calm	Calm	S	Calm	Calm	18.7	22.7	40.7	17.5	99.6	8	Ci.-S.	Fr.-Cu. SE	9	Ci.-S.	Cu.-N. SE
17..	Calm	Calm	W	S	WSW	Calm	22.7	26.9	97.6	23.3	170.5	6	Ci.	Cu. ESE	9	Ci.-S.	Cu.-N. ESE
18..	Calm	Calm	S	Calm	SSW	Calm	16.3	23.8	110.4	52.6	203.1	6	Ci.-Cu. NE	Cu. ESE	5	Ci.	Cu.
19..	Calm	Calm	Calm	SW	Calm	NE	22	21.5	55	21.9	120.4	8	Ci.-S.	Fr.-Cu. ESE	9	Ci.-S.	Cu.-N.
20..	Calm	Calm	Calm	Calm	NE	Calm	19.6	17.1	31.9	26.2	94.8	10	A.-S.	S.-Cu. SE	8	Ci.-S.	Cu.-N.
21..	Calm	Calm	Calm	SW	Calm	Calm	18	23.6	48	44	133.6	10	Ci.-S.	S.-Cu. SE	5	Ci.	Cu.
22..	Calm	Calm	NE	Calm	Calm	Calm	14	40.2	32.7	15.6	102.5	8	Ci.-S.	Cu.-N. ESE	10	Ci.-S.	N. ESE
23..	Calm	Calm	Calm	SW	Calm	Calm	21.2	22.5	31.6	19.6	94.9	9	Ci.-S.	Cu.-N. SE	5	Ci.	Cu.
24..	Calm	Calm	Calm	S	Calm	Calm	24.4	17.7	25.7	13.9	81.7	6	Ci.	Cu. SE	8	Ci.-S.	Cu.-N.
25..	NE	Calm	Calm	Calm	Calm	Calm	23.8	14.5	6.7	10	55	10	A.-S.	S.-Cu. SE	10	Ci.-S.	S.-Cu. SE
26..	Calm	Calm	Calm	Calm	Calm	Calm	9.1	10.7	11.3	8	39.1	7	Ci.-S.	Cu.-N. SE	10	A.-S.	N.
27..	Calm	Calm	Calm	Calm	Calm	Calm	14.3	15	19.9	5.1	54.3	4	Ci.	Cu.	9	Ci.-S.	Cu.-N.
28..	Calm	Calm	Calm	ESE	Calm	Calm	11.3	14.5	19.3	16.7	61.8	9	Ci.-S. E	Cu.-N. SE	9	Ci.-S.	Cu.-N. SE
29..	Calm	Calm	Calm	Calm	Calm	Calm	9.4	16.3	12.9	11.3	49.9	5	Ci.-Cu. NE	Cu. SE	10	Ci.-S.	S.-Cu. SE
30..	Calm	Calm	SSW	Calm	Calm	Calm	16.7	29.2	26.8	5.6	78.3	9	Ci.-S.	S.-Cu. ESE	8	A.-Cu.	Cu.-N.
31..	Calm	Calm	SSW	ESE	Calm	Calm	10.2	42.3	50.1	18.7	121.3	7	A.-Cu.	Cu. ESE	9	Ci.-S.	Cu.-N. ESE
Mean	.....	.....	.....	.....	.....	.....	17.6	29.4	50.6	23.6	121.2	6.6	....	....	7.6	....	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,757.6	.....	....	....	.....	....	....

AMBULONG, TANAUAN, BATANGAS

[ϕ=14° 07′ N; λ=121° 04′ E; barometer above sea, 10.5 meters; gravity correction not applied, —1.74 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.43	59.19	59.20	56.58	56.95	58.07	58.07	26.2	26	31	35.8	31.5	28.3	29.8	36.1	25.8	87	85	61	48	59	77	69.5	....
2..	57.36	57.48	57.30	55.57	56.46	57.59	56.96	27.2	26.3	35	34.5	30.7	27.8	30.2	36	26.2	83	82	51	52	65	76	68.2	....
3..	56.67	57.09	57.20	54.95	56.27	57.89	56.68	25.8	25.6	33.6	34	29.9	28	29.5	34.5?	25.4	88	88	56	55	65	76	71.3	....
4..	56.40	57.10	57.14	55.38	55.78	57.32	56.52	26.2	25	32	35	28.5	27	29	35.2	25	85	92	60	51	75	84	74.5	19.8
5..	56.99	57.98	57.87	55.90	56.70	58.74	57.36	25.8	25	31.9	33.1	30.8	26.5	28.8	33.2	24.5	87	92	57	55	60	88	73.2	5.8
6..	58.12	58.75	58.46	56.42	57.45	59.29	58.08	25.3	25.2	31.8	33.2	30	27	28.8	33.2	24.2	91	90	61	59	71	78	75	1
7..	57.92	58.56	58.93	56.58	57.52	58.64	58.03	25.8	25	30.3	29.5	30	27	27.9	33.2	24.8	79	84	63	75	65	78	74	16.3
8..	57.72	58.09	58.50	56.63	57.24	57.44	57.60	26.8	25.4	31.3	28	24.8	24	26.6	34.8	23.4	82	88	60	82	89	91	82	11.2
9..	55.89	55.83	55.54	53.66	53.39	53.99	54.72	23.8	23.6	26.1	26.3	25.4	25.8	25.2	26.5	23.4	92	93	86	90	88	87	89.3	59.5
10..	51.84	51.99	53.57	52.89	53.72	54.90	53.15	24.8	25.2	24.3	24.3	24.2	24	24.5	25.3	23.3	88	90	91	89	90	91	89.8	87.6
11..	54.58	54.62	55.82	54.12	54.25	55.80	54.86	23.2	23.5	24.8	25.3	26	25.3	24.7	26.3	23	93	92	90	89	85	89	89.7	26.4
12..	54.33	55.09	55.54	54.02	54.57	56.37	54.99	24.5	24.6	28.7	29.8	28.8	27.2	27.3	29.9	23.8	89	90	73	69	72	80	78.8	....
13..	55.39	56.08	56.28	54.87	55.78	57.02	55.90	25.3	24.7	29.9	31.2	27	25.4	27.2	31.3	24.7	89	86	65	61	87	84	78.7	3
14..	56.06	56.15	56.52	55.30	55.74	57.07	56.14	26.8	24.6	29.3	31	29.8	28	28.2	31.1	24.4	80	87	69	62	66	71	72.5	......
15..	56.29	56.46	57.19	55.96	56.14	57.74	56.63	27.2	25.2	29.3	29.4	28.8	26.7	27.8	30	25	78	90	69	68	72	86	77.2	....
16..	57.12	57.24	58.82	56.92	57.03	58.07	57.53	25.5	25	28.3	30.5	29	27.8	27.7	30.6	24.9	89	92	75	68	78	79	80.2	....
17..	57.69	57.93	58.31	56.90	56.67	57.86	57.56	25.2	24.4	31.3	32	30.8	28.8	28.8	32.5	24.2	90	90	60	60	66	75	73.5	....
18..	57.12	57.24	57.54	56.30	56.89	57.54	57.10	25.7	26	31	31.4	27.8	26.6	28.1	32	25.2	88	92	62	63	79	80	77.3	1
19..	56.48	56.59	57.46	55.47	55.82	57.33	56.52	25.2	25.2	26.2	30.5	29.7	26.2	27.2	31	24.7	90	90	85	68	72	90	82.5	14
20..	56.17	57.02	57.42	56.03	56.21	57.65	56.75	25.3	24.8	28.2	30.2	29.8	27.8	27.7	30.3	24.6	91	88	80	64	63	79	77.5	....
21..	57.26	57.89	58.09	56.78	57.14	58.81	57.66	25.6	25	30.7	31.5	30.7	28.8	28.7	31.5	24.3	88	92	63	63	63	72	73.5	....
22..	58.45	58.59	58.48	57.60	57.94	58.43	58.25	27.3	26.5	30.2	31.5	28.4	26	28.3	31.6	25.2	84	88	70	63	76	85	77.7	....
23..	57.43	57.94	58.33	57.14	57.15	58.02	57.67	24.3	24	30.8	32.3	30.8	28.5	28.4	32.3	23.6	94	97	60	60	60	74	74.2	....
24..	57.65	57.91	57.89	56.70	56.39	58.27	57.47	26.2	25.2	31	31.7	29.7	28.6	28.7	32.2	25	90	94	65	63	73	84	78.2	....
25..	57.09	57.35	57.27	55.39	54.74	56.24	56.35	27	26.8	30	31.3	29.8	26.2	28.5	31.4	26	84	86	69	64	66	89	76.3	4.1
26..	55.46	55.46	55.78	54.57	54.74	56.27	55.38	26.7	26	27.8	29	27	27	27.2	29	25.9	86	85	79	78	86	84	83	4.6
27..	55.25	56.09	56.47	55.27	55.98	57.32	56.06	26	24.9	29.3	32	28	26.8	27.8	33.1	24.8	85	88	69	59	77	83	76.8	....
28..	57.71	58.03	58.56	57.15	57.45	59.57	58.08	26.2	25.3	30.4	32.7	31.4	29.2	29.2	34.4	25.2	87	89	63	59	65	76	73.2	....
29..	59.24	59.26	59.15	58.04	57.87	59.04	58.77	26.8	25.5	32.8	29.8	26.2	25.5	27.8	36	24.8	78	88	58	73	90	83	78.3	2
30..	57.62	57.60	57.15	55.52	55.13	55.52	56.42	24.2	24.2	30.4	32.8	29.7	27	28.1	33	23	90	90	63	56	70	84	75.5	....
Mean	56.72	57.09	57.39	55.82	56.17	57.46	56.78	25.7	25.1	29.9	31	28.8	27	27.9	31.9	24.6	86.8	89.3	67.8	65.5	73.1	81.8	77.4	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	256.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	Calm	NE	Calm	Calm	14.8	16.9	34.6	15.3	81.6	10	A.-S.	S.-Cu. ESE	5	Ci.-Cu.	Cu.
2..	Calm	Calm	E	NE	Calm	Calm	6.9	23.8	22.3	10.2	63.2	5	Ci.-Cu.	Cu.	10	A.-S.	S.-Cu. ESE
3..	Calm	Calm	Calm	Calm	Calm	Calm	12.7	16.1	14	5	47.8	6	Ci.	Cu. ESE	5	Ci.	Cu.
4..	Calm	Calm	Calm	Calm	Calm	Calm	3	5.9	25.4	5.3	39.6	6	Ci.	Cu. SE	8	Ci.-S.	Cu.-N. SE
5..	Calm	Calm	Calm	Calm	Calm	Calm	3.8	3.5	15.5	4.3	27.1	5	Ci.-Cu.	Cu.	6	Ci.-Cu.	Cu.
6..	Calm	Calm	E	SE	Calm	Calm	3.4	21.7	85.2	16.7	77	9	Ci.-S.	S.-Cu. SE	9	Ci.-S.	Cu.-N.
7..	Calm	NE	NNE	Calm	E	Calm	20.1	53.6	43.3?	24.9	141.9	10	A.-S. ENE	Fr.-N. ESE	10	A.-S.	N. SW
8..	NE	Calm	NE	NE	Calm	Calm	30.4	55.3	49.1	20.7	155.5	9	Ci.-S.	Cu.-N. SW	10	A.-S.	N. SW
9..	Calm	Calm	Calm	Calm	W	Calm	17.9	19	32.2	31.7	100.8	10	A.-S.	N. NNE	10	A.-S.	N.
10..	Calm	SW	SW	SE	Calm	Calm	76.1	264.4	95	10.3	445.8	10	A.-S.	N. SW	10	A.-S.	N. SW
11..	Calm	Calm	W	Calm	SW	Calm	28.2	38.4	74.5	27.4	168.5	10	A.-S.	N. SW	10	A.-S.	N.
12..	Calm	Calm	Calm	W	SW	SW	18.5	14.7	67.6	91.1	191.9	10	A.-S. NW	S.-Cu. SW	8	Ci.-S.	Cu.-N.
13..	Calm	Calm	Calm	SW	SSW	Calm	29.2	27.6	63.4	24.3	144.5	8	Ci.-S.	Cu.-N. SW	10	A.-S.	S.-Cu. SSE
14..	SW	NE	W	SW	SSW	SW	62.8	29.5	175.6	105.7	373.6	5	Ci.	Cu. SSE	5	Ci.	Cu.
15..	SW	Calm	Calm	SW	WSW	Calm	51.2	44.6	138.7	63.4	297.9	7	Ci.-S.	Cu.-N. SW	9	A.-S.	S.-Cu.
16..	Calm	NE	SW	SW	SW	SW	24.1	87.4	85	64.7	261.2	6	Ci.	Cu. SW	8	Ci.-S.	Cu.-N. SW
17..	NE	Calm	Calm	SW	W	SW	29.5	27.9	108.8	85	251.2	5	Ci.	Cu.	7	Ci.-S.	Cu. SW
18..	SW	Calm	Calm	SW	SSW	NNE	15.3	25.1	114.5	46.5	201.4	8	Ci.-S.	Cu.-N. SW	9	Ci.-S.	S.-Cu. SW
19..	NE	Calm	Calm	SW	WSW	Calm	28.7	25.5	58.5	33.5	146.2	9	Ci.-S.	Cu.-N. SW	7	Ci.	Cu.-N.
20..	Calm	Calm	Calm	Calm	SW	SW	21.5	15.6	.....	61.2	....	10	A.-S.	S.-Cu. SW	7	Ci.-Cu.	Cu.
21..	Calm	Calm	SW	SW	WSW	WSW	.....	.....	a 84.5	89.6	....	5	Ci.	Cu. SW	7	Ci.	Cu.-N.
22..	SW	Calm	SW	SW	WSW	Calm	76.1	57.1	119.6	29.6	282.4	5	Ci.	Cu. SW	5	Ci.-Cu.	Cu.
23..	Calm	Calm	SW	SW	SW	SW	25.1	44.1	106.8	70.2	246.2	10	A.-S.	S.-Cu. SW	7	Ci.-S.	Cu. SW
24..	SW	Calm	SW	WSW	W	Calm	15.3	63.1	101.6	68.7	248.7	8	Ci.-S. W	Cu.-N. SW	8	Ci.-S.	Cu.-N.
25..	SW	SW	SW	SW	WSW	SW	36.5	63.4	122.9	65.2	288	10	A.-S.	S.-Cu. SW	7	Ci.-S.	Cu. SW
26..	SW	Calm	SW	SW	SW	SW	53.7	55.8	127.9	96.4	333.8	10	A.-S.	S.-Cu. SW	10	A.-S.	S.-Cu. SW
27..	Calm	Calm	Calm	W	NE	NE	32.7	23.3	50.5	27.2	133.7	8	Ci.-S.	Cu.-N. SW	7	Ci.	Cu.
28..	Calm	Calm	SW	SW	SW	SW	21.9	32	47.5	64.9	166.3	5	Ci.-Cu.	Cu.	5	Ci.	Cu.
29..	NE	NE	ENE	WSW	Calm	NE	37.3	48.3	62.2	24.6	172.4	7	Ci.-S.	Cu. SW	10	A.-S.	N. SW
30..	NE	Calm	NW	NW	Calm	Calm	30	33.2	39.1	25.5	127.8	5	Ci.	Cu. SW	8	Ci.-S.	Cu.-N. SW
Mean	......	......	......	......	......	......	28.5	42.6	73	43.6	186.3	7.7	....	....	7.9	....	....

NOTE.—The mean barometer for June published in the "Monthly Bulletin" page 117, should be 756.78 mm. instead of 756.88 mm.

[a] 2 hours missing.

AMBULONG, TANAUAN, BATANGAS

[ϕ=14° 07′ N; λ=121° 04′ E; barometer above sea, 10.5 meters; gravity correction not applied, —1.74 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	54.34	54.71	54.32	52.62	52.93	54.29	53.87	26	25.5	30	31	29	27.2	28.1	31.2	25.3	85	88	65	62	71	83	75.7	9.4
2..	53.67	54.66	54.83	54.60	55.81	56.76	55.06	25.2	25.2	26.2	26.3	22.8	22	24.6	27	21.8	85	90	85	82	91	95	88	93.2
3..	56.63	57.30	58.62	59.26	59.22	60.34	58.56	22	22.8	25.3	25.4	24.3	23.2	23.8	27.3	21.8	95	92	89	88	91	93	91.3	61.2
4..	59.58	59.58	59.54	58.72	59.20	59.92	59.42	22.4	23	27.5	32	30.7	26.5	27	32.1	22.2	95	96	78	60	67	80	79.3	......
5..	59.26	59.67	59.84	58.34	57.87	59.19	59.03	25	24.3	31	30.3	29.5	26.3	27.7	32	24.2	87	89	68	72	75	85	79.3	7.6
6..	58.46	58.82	58.98	57.31	58.79	60.07	58.74	24.4	23.6	29.5	32.2	26.8	25	26.9	32.3	23.5	90	93	75	65	78	87	81.3	......
7..	59.49	59.66	60.30	59.12	59.23	60.32	59.69	24	23	28.3	31.4	27.3	25.8	26.6	31.7	22.8	96	95	75	63	75	85	81.5	.5
8..	59.31	60.07	60.51	59.08	58.84	60.22	59.67	24.2	23.3	31.6	28.5	28.8	26.7	27.2	33.1	23.3	90	89	62	74	72	85	78.7	1
9..	59.36	59.49	59.62	57.39	58.54	59.34	58.96	24.8	24.2	31.5	33.5	26.7	25.1	27.6	33.6	24.2	90	93	63	61	80	91	79.7	......
10..	58.21	58.30	59.23	56.81	57.31	58.64	58.08	23.6	23.3	29.7	33.7	27.8	25.2	27.2	34.3	23.2	91	92	69	57	76	90	79.2	......
11..	58.06	58.27	58.92	57.16	57.86	59.24	58.25	25.2	24.3	30.6	32.7	30	28	28.5	33.2	24	90	92	62	62	75	85	77.7	......
12..	58.59	59.36	59.36	58.03	58.12	59.54	58.83	26.6	25.3	29.6	33	27.3	27.2	28.2	33.1	25.3	87	89	74	61	82	83	79.3	......
13..	58.64	58.75	59.30	57.12	57.86	58.97	58.44	25.8	25	32	35.6	30.4	28	29.5	35.6	24.9	85	92	66	49	69	77	73	......
14..	58.42	58.60	59.13	56.82	57.04	58.59	58.10	26.3	25.3	31	33.2	29.2	27	28.7	33.3	25	85	89	62	60	72	80	74.7	2.3
15..	57.34	57.56	57.73	56.25	56.27	57.57	57.12	25.3	24.8	30.7	33	30.7	27.3	28.6	33	24.4	89	89	67	61	67	79	75.3	......
16..	57.23	57.49	57.34	56.13	56.24	58.09	57.09	26	25.3	31.7	30	28.2	26.3	27.9	32.3	25.2	85	89	62	65	76	82	76.5	......
17..	57.39	57.75	58.34	57.03	57.32	58.54	57.73	25.2	24.8	31	30.5	28.7	26.2	27.7	33	24.5	90	85	67	68	75	82	77.8	......
18..	57.71	57.84	57.86	56.64	56.69	58.27	57.50	24.7	24.4	32	29	25	24.5	26.6	33.4	24	89	90	66	78	92	87	83.7	13.2
19..	57.04	57.11	57.22	55.94	55.44	56.88	56.60	23.4	23.2	30.4	32.3	28.7	25.6	27.3	33	23	92	93	63	64	73	87	78.7	......
20..	56.01	56.17	57.18	55.78	56	56.35	56.25	25	24.5	25.6	27	27.2	25.3	25.8	28	24.5	87	89	87	84	83	89	86.5	......
21..	55.86	55.99	56.24	54.66	55.32	56.44	55.75	24	24	30.2	33.1	30.2	26.7	28	33.2	23.5	95	96	70	60	70	86	79.5	......
22..	55.52	55.79	56.02	55.19	55.58	56.61	55.78	24.7	24.8	31.5	25.4	26	25.3	26.3	32.4	24.5	88	88	63	88	89	91	84.5	21.6
23..	55.21	55.31	56.12	54.96	55.09	56.30	55.50	24.8	24.2	28.3	26.7	27	25.3	26	28.6	24.2	92	94	82	80	84	89	86.8	26
24..	55.17	55.25	55.38	54.25	54.51	56.01	55.10	24.1	24	28.8	26.7	26.7	26.4	26.1	29.8	23.9	94	93	75	86	85	87	86.7	7.6
25..	55.46	55.39	56.29	55.28	55.30	56.52	55.71	26	25.3	29.2	29	28.2	26.8	27.4	30	25	89	89	75	78	83	87	83.5	......
26..	55.54	55.71	55.61	54	53.85	55.29	55	26.8	26.4	27.4	30	28	28.2	27.8	30	25.4	86	85	81	66	77	83	79.7	.3
27..	54.29	53.19	53.80	52.54	53.09	54.25	53.53	26.8	26.5	27.2	27.5	25.4	24.8	26.4	27.8	24.6	86	86	79	81	88	85	84.2	57.9
28..	53.66	53.71	53.99	53.06	52.86	53.98	53.54	24.3	24.3	24.9	28	27.3	28	26.1	28.3	24	89	91	84	85	79	85	85.5	20.3
29..	53.59	53.60	53.82	52.81	52.63	54.14	53.43	26.6	26.2	26.6	26.7	25	26	26.2	27.9	25	83	85	89	88	92	92	88.2	91.6
30..	52.66	52.58	52.86	52.11	51.84	53.29	52.56	27.3	27.8	29.6	27.8	29	28.8	28.4	29.6	26.9	88	86	74	82	78	81	81.5	23.9
31..	52.59	52.98	53.41	52.29	52.14	53.72	52.86	28.8	26	27.8	29.8	29.3	29.2	28.5	30	26	82	85	79	75	76	79	79.3	6.4
Mean	56.59	56.80	57.15	55.85	56.09	57.34	56.64	25.1	24.7	29.2	30	27.8	26.3	27.2	31.3	24.2	88.9	90.1	72.8	71.1	78.7	85.5	81.2	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	444

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	Calm	Calm	W	SW	Calm	21.1	25.9	91.5	63.1	201.6	10	A.-S.	S. NW	10	A.-S.	S.-Cu. W
2..	Calm	SW	SW	N	E	Calm	55.5	73.8	65.2	40.8	235.3	10	A.-S.	N. SW	10	A.-S.	S. SW
3..	N	SW	Calm	SW	Calm	Calm	51.7	[a]54.4	98.7	22.3	227.1	10	A.-S.	N. SW	10	A.-S.	N. SW
4..	Calm	Calm	Calm	Calm	Calm	Calm	26.8	27.9	25.5	23.9	104.1	8	Ci.-S.	Cu.-N. SW	8	Ci.-S.	Cu.-N. SW
5..	Calm	Calm	NE	Calm	Calm	NE	19.9	31.7	35.1	18.2	104.9	5	Ci.	Fr.-Cu. sw	7	Ci.-S.	Cu.
6..	Calm	Calm	Calm	SSE	NE	NE	22.3	17.7	45	29	114	4	Ci.	Cu. SW	10	Ci.-S.	N.
7..	Calm	Calm	NE	SW	NE	Calm	22.5	16.9	37.2	29.8	106.4	6	ci.-cu. NW	Cu. SW	9	Ci.-S.	S.-Cu.
8..	NE	NE	NNE	ESE	Calm	Calm	32.7	26.2	26.8	19.6	105.3	4	Ci.	Cu.	10	A.-S.	N.
9..	E	Calm	Calm	SW	Calm	Calm	15.3	29.6	56.1	19.8	120.6	5	Ci.	Cu. SE	7	Ci.-S.	Cu.-N. SE
10..	Calm	NE	Calm	SW	NE	NE	32.8	26.4	40.5	30.1	129.8	3	Ci.	Cu.	7	Ci.-S.	Cu.
11..	Calm	Calm	S	Calm	Calm	NE	25.2	29	17.1	28.7	100	5	Ci.-Cu.	Cu.	9	Ci.-S.	S.-Cu. SE
12..	NE	Calm	SW	ENE	Calm	Calm	21.2	28	39.6	22.5	111.3	5	Ci.	Cu. ESE	9	Ci.-S.	Cu.-N. SE
13..	Calm	N	N	S	S	NE	25.9	38	69.7	20.7	154.3	7	Ci.	Cu. SE	5	Ci.	Fr.-Cu.
14..	Calm	NE	Calm	SSW	Calm	Calm	28.4	24.4	46.1	20.4	119.3	7	Ci.-S. E	Cu.-N. SE	6	Ci.-Cu.	Cu.
15..	Calm	Calm	Calm	SW	Calm	NE	26.4	24.3	47.5	28	126.2	4	Ci.	Cu.	5	Ci.	Fr.-Cu.
16..	Calm	Calm	S	NW	Calm	NE	28.2	24.9	21.4	26.4	100.9	4	Ci.	Cu. SE	9	Ci.-S.	S.-Cu. SE
17..	NE	Calm	Calm	SW	Calm	NE	22	19.1	37.6	34.9	113.6	8	Ci.-S.	Cu.-N. SE	9	Ci.-S.	Cu.-N. SW
18..	Calm	Calm	E	S	N	Calm	25.4	28.8	47.8	33.2	135.2	6	Ci.	Cu. SW	9	Ci.-S.	Cu.-N. SW
19..	NE	NNE	E	NE	Calm	Calm	30	42.1	49.1	17.7	138.9	4	Ci.	Cu.	9	Ci.-S.	Cu.-N. SW
20..	Calm	Calm	Calm	N	Calm	Calm	31.7	32.2	58.2	25.5	147.6	6	Ci.	Cu.	10	A.-S.	S.-Cu. SW
21..	Calm	NE	ENE	NE	SE	Calm	23.5	49.7	55.8	16.1	145.1	5	Ci.-Cu.	Cu. SE	10	Ci.-S.	S.-Cu. SE
22..	Calm	Calm	E	NE	Calm	Calm	18.2	24.6	32.4	13.7	88.9	9	Ci.-S.	S.-Cu. ESE	10	A.-S.	N.
23..	Calm	Calm	N	Calm	Calm	Calm	11	37	14.7	14.5	77.2	10	A.-S.	S. SE	10	A.-S.	N.
24..	Calm	Calm	Calm	S	Calm	Calm	25.5	30.4	57.6	40.2	153.7	10	Ci.-S.	S. WNW	10	A.-S.	S.-Cu.
25..	SW	Calm	Calm	SW	SW	Calm	30.4	12.4	91.5	35.9	170.2	10	A.-S.	S.-Cu. wnw	10	Ci.-S.	s.-cu. wnw
26..	SW	Calm	Calm	SW	SW	SW	30.1	54.9	119.1	60.7	264.8	10	Ci.-S.	S.-Cu. wnw	10	A.-S.	S.-Cu.
27..	SW	SW	WSW	SSW	Calm	Calm	68.7	107.2	103.5	22.2	301.6	10	Ci.-S.	N. W	10	Ci.-S.	N.
28..	Calm	Calm	Calm	SW	SW	SW	41.8	22.2	109.6	158.7	332.3	10	A.-S.	N. W	10	A.-S.	N. W
29..	SW	SW	W	SW	N	SW	158.8	69.8	53.1	45.6	327.3	10	A.-S.	N. W	10	A.-S.	Fr.-N. W
30..	SW	SW	SW	SW	WSW	WSW	151.3	[b]76.7	143.2	152.3	523.5	10	A.-S.	Fr.-N. wsw	10	A.-S.	N. WSW
31..	WSW	SW	WSW	SW	SW	SW	156.1	132.6	241.4	217.2	747.3	10	A.-S.	S.-Cu. SW	10	A.-S.	S.-Cu.
Mean	......	......	......	......	......	......	41.3	40	63.8	43	188	7.3	....	....	9	....	....
Total	......	......	......	......	......	......	......	......	......	......	[c]5,828.5	....	....	....	....	....	....

[a] 2 hours missing.

[b] 3 hours missing.

[c] 5 hours missing.

AMBULONG, TANAUAN, BATANGAS

[φ=14° 07′ N; λ=121° 04′ E; barometer above sea, 10.5 meters; gravity correction not applied, —1.74 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	53.29	53.31	54.74	53.35	53.70	55.24	53.94	26.7	28	27.2	28.5	27.9	27.8	27.7	29.3	26.2	85	79	83	81	81	81	81.7	10.4
2..	54.39	54.47	55.04	54.19	53.95	55.59	54.60	27.7	28.1	29.2	28.2	28.8	28.5	28.4	29.3	27	85	84	76	83	82	81	81.8	.8
3..	54.50	54.56	55.73	54.23	54.43	55.70	54.86	26.7	26.7	26.8	27.7	27.2	26	26.8	28.8	25.4	88	86	87	79	83	92	85.8	2.5
4..	55.16	55.14	55.09	54.32	54.37	55.49	54.93	25.3	26	26.9	27.3	27.9	27	26.7	28.1	25	89	84	85	84	81	86	84.8	......
5..	54.66	54.71	55.76	54.66	54.18	55.89	54.98	26.8	26.7	26.9	25.9	25.8	24.9	26.2	27.2	24.8	87	86	86	91	85	87	87	81.5
6..	54.63	54.13	54.88	54.04	53.71	54.50	54.32	25	25.3	27	28	25.7	26.1	26.2	28.1	24.9	90	89	88	80	88	89	87.3	2.1
7..	53.20	51.91	52.81	51.72	51.78	52.61	52.34	26	27	25	27.2	26	27.4	26.4	27.9	24.9	90	88	92	83	90	81	87.3	87.3
8..	51.94	51.92	52.52	51.72	52.06	53.35	52.25	27.6	27.3	27.8	26.9	27	27	27.3	28.7	26.2	86	84	85	88	86	86	85.8	79.8
9..	52.35	52.63	54.05	52.69	52.84	54.69	53.21	26.8	26	26.2	27.2	26.8	27	26.7	27.3	26	89	92	90	86	86	86	88.2	75.1
10..	53.42	53.51	54.84	53.81	53.13	54.59	53.88	25.6	25.9	25.9	26.8	26.2	27	26.2	27.7	25.4	88	88	85	89	90	86	87.7	35.3
11..	53.14	52.99	53.50	52.85	52.51	53.79	53.13	26.7	26.8	27.2	26	26	26.7	26.6	27.6	25.9	86	87	86	92	90	89	88.3	32
12..	52.67	52.41	54.13	52.63	52.85	55.02	53.28	27	26.6	24	26	24.6	24.3	25.4	27.2	23.5	87	87	91	92	88	91	89.3	146.1
13..	53.53	53.26	55.57	54.06	54.04	55.54	54.33	23.2	26.6	25.2	26.5	27.6	25.6	25.8	27.8	23	93	87	90	86	80	87	87.2	72.5
14..	55.56	55.59	56.32	55.65	55.96	56.44	55.92	25.2	25.8	26.8	28.2	26.3	27	26.6	28.3	25	90	87	87	83	90	86	87.2	2.3
15..	56.06	56.17	57.14	56.16	55.53	57.39	56.41	26.2	26	26.4	26.8	26.8	25.3	26.3	27	25.2	91	90	89	86	81	89	87.7	8.9
16..	56.82	56.74	57.99	57.71	58.36	58.87	57.75	25.5	26.5	27.6	28	26.8	25	26.6	28	24.9	88	82	80	80	87	92	84.8	.8
17..	58.01	57.93	58.68	57.63	57.49	58.80	58.09	25.5	24	28	28.5	28	27.6	26.9	28.5	23.9	89	91	80	78	81	83	83.7	......
18..	58.06	57.98	58.14	56.44	56.53	58.72	57.64	24.5	24	27.7	30	27.8	26.3	26.7	30	23.8	89	91	79	66	79	85	81.5	......
19..	57.38	57.34	57.98	56.42	56.42	56.79	57.06	24.8	25.3	27.7	29.6	27.5	26.7	26.9	30	24	87	89	76	72	81	83	81.3	......
20..	55.37	54.37	54.06	52.01	52.39	54.44	53.77	25.5	26.7	28	27	26.2	26.8	26.7	28	25.5	88	79	77	84	86	84	83	5.1
21..	53.42	55.01	56.59	55.52	56.89	57.81	55.87	27.3	26.8	26.5	28.5	26.9	26	27	28.5	25	82	81	80	74	85	90	82	2.3
22..	57.59	57.61	58.34	56.84	56.99	58.41	57.63	24	23.5	28.3	30.5	28	25.3	26.6	30.7	23.3	92	94	77	65	77	89	82.3	......
23..	57.54	57.41	58.14	56.21	55.96	57.32	57.10	24.7	23.2	29.8	30	28.8	28	27.4	30.4	23.2	90	94	73	73	76	80	81	......
24..	55.69	55.59	56.27	54.59	54.99	55.69	55.47	27.8	27.5	28.4	28.4	27.2	27.8	27.8	28.5	26.8	84	84	79	75	83	82	81.2	17.6
25..	54.59	54.95	55.60	53.91	54.46	56.69	55.03	27.8	26.2	26	25.7	25.8	23	25.8	28	22.7	83	90	92	91	85	95	89.3	103.3
26..	55.43	55.51	58.01	56.96	57.26	58.78	56.99	23	23.3	25.2	25.2	24.8	24.3	24.3	26.2	22.8	94	92	90	90	87	89	90.3	40.1
27..	58.06	57.46	58.98	57.59	57.79	58.28	58.03	23.7	23	24	26.8	25.8	24	24.6	26.8	22.9	92	96	91	78	85	91	88.8	8.4
28..	57.08	57.08	57.60	57.02	57.02	58.06	57.31	23.3	22.8	26.3	26.7	25.8	24.3	24.9	27.3	22.8	92	95	82	82	81	89	86.8	.8
29..	56.61	56.10	56.38	54.84	55.37	56.24	55.92	23	22.8	28	28.3	27.5	24.8	25.7	28.7	22.7	94	92	77	78	81	85	84.5	5.1
30..	55.32	54.90	55.64	54.41	54.86	56.07	55.20	26.1	26	25.7	26.8	25	25.2	25.8	27.2	24.7	89	88	86	86	85	85	86.5	54.6
31..	55.19	55.30	56.04	54.65	54.25	56.07	55.25	25.8	26	26	25.8	26	26.3	26	26.3	25.1	79	81	92	85	92	91	86.7	33.2
Mean	55.18	55.10	56.02	54.80	54.91	56.22	55.37	25.6	25.7	26.8	27.5	26.7	26.1	26.4	28.2	24.6	88.3	87.6	84.2	81.9	84.3	86.8	85.5	......
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	907.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SW	SW	SW	SW	SW	SW	160.1	206.8	212.9	124.4	704.2	9	Ci.-S.	Fr.-Cu. sw	10	Ci.-S.	N. SW
2..	SW	SW	SW	SW	SW	SW	136.5	139.4	124.7	74.5	475.1	9	Ci.-S.	Cu.-N. SW	9	Ci.-S.	Fr.-N. SW
3..	Calm	W	SW	SW	SSW	Calm	47.3	72.9	107	53.4	280.6	10	Ci.-S.	Fr.-N.	9	Ci.-S.	S.-Cu. SW
4..	SSW	SW	SW	SW	SW	SW	68.1	73 2	113	88.2	342.5	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	S.-Cu.
5..	SW	WSW	W	W	Calm	SSE	114.3	60.9	73	94.6	342.8	10	A.-S.	S.-Cu. SW	10	A.-S.	N. WSW
6..	SW	SW	SW	SW	SW	SW	116.1	136.6	193.7	188	634.4	10	A.-S.	Fr.-N. wsw	10	Ci.-S.	S.-Cu.
7..	SW	SW	WSW	SW	SW	SW	196	195.5	163.3	176.4	731.2	10	A.-S.	S. WSW	10	A.-S.	Fr.-N. wsw
8..	SW	SW	SW	WSW	SW	SW	179.2	183.4	184	158.7	705.3	10	A.-S.	Fr.-N. wsw	10	A.-S.	N. WSW
9..	SW	WSW	SW	WSW	SW	SW	177	151.3	172.2	154.5	655	10	A.-S.	N. WSW	10	A.-S.	N.
10..	SW	SW	SW	WSW	SW	SW	130.4	144.8	146.2	170.8	592.2	10	A.-S.	N. WSW	10	A.-S.	N. WSW
11..	SW	SW	SW	SW	SW	SW	188.6	190.2	207.9	179.2	765.9	10	Ci.-S.	N. SW	10	A.-S.	N. SW
12..	SW	SW	NW	SW	SW	S	214	80.5	176.8	89.5	560.8	10	A.-S.	N. SW	10	A.-S.	N. SW
13..	Calm	SW	W	SW	SW	SW	103.3	156.9	152.6	130	542.8	10	A.-S.	N. SW	10	A.-S.	S.-Cu. SW
14..	SW	SW	SW	SW	SW	SW	124.2	133.6	200.8	164.4	623	10	A.-S.	Fr.-N. SW	10	Ci.-S.	S.-Cu. SW
15..	SW	SW	SW	SW	SW	W	141.1	[a]117	178.6	80.3	517	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	Fr.-N.
16..	SW	SW	SW	W	SW	Calm	104.3	104	117	34.3	359.6	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	Fr.-N. SW
17..	W	N	SW	SW	SW	Calm	18.7	50.2	91.2	52	212.1	10	Ci.-S. NNW	Cu.-N. SW	10	Ci.-S.	S.-Cu.
18..	Calm	Calm	S	SW	SW	Calm	5.9	34.6	99.8	35.4	175.7	8	Ci.-S. NW	Cu.-N. SW	7	Ci.-S.	Cu.
19..	Calm	SW	Calm	S	SW	SW	26.4	34	64.7	60.7	185.8	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	Cu.-N. SW
20..	NW	W	SW	SW	SW	SW	42	132.6	249.1	293.4	717.1	10	A.-S.	Fr.-S.	10	A.-S.	Fr.-N. wsw
21..	SW	SSW	SE	S	SSW	Calm	276.3	116.7	145.3	51.5	589.8	10	Ci.-S.	Fr.-N. SW	10	Ci.-S.	S.-Cu. SW
22..	Calm	Calm	Calm	SW	SW	SW	18.8	12.1	88.8	30.3	150	5	Ci.-Cu. NW	Cu. SW	5	Ci.	Cu.
23..	Calm	Calm	Calm	SW	SW	SW	23.1	27.7	114	62.5	227.3	5	Ci.	Cu. SW	5	Ci.-Cu.	Cu.
24..	SW	SW	SW	WSW	SW	SW	105.4	124.1	140.3	145.3	515.1	10	A.-S.	S.-Cu. SW	10	A.-S.	Fr.-N. SW
25..	SW	SW	SW	SW	Calm	S	138.2	159	118.1	86.6	501.9	10	A.-S.	S.-Cu. SW	10	A.-S.	N. SW
26..	Calm	SW	SW	SW	Calm	SW	22.5	109.1	113.8	78.1	323.5	10	A.-S.	N. SSW	10	A.-S.	Fr.-N. SW
27..	Calm	Calm	SW	SW	SW	Calm	26.2	39.9	85.6	38	189.7	10	A.-S.	Fr.-S. SW	10	A.-S.	S.-Cu.
28..	Calm	Calm	Calm	SW	Calm	Calm	4.8	20.6	62.6	13.4	101.4	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	Fr.-N. SW
29..	Calm	Calm	Calm	Calm	SW	Calm	19.8	30.6	68.6	48.9	167.9	9	Ci.-S.	Fr.-S. wsw	10	A.-S.	S. W
30..	W	SW	WSW	WSW	SW	SW	96	156.1	137.9	169.8	559.8	10	A.-S.	Fr.-N. SW	10	A.-S.	Fr.-N. SW
31..	SW	SW	SW	SW	SW	SW	172.2	133	156.4	140.8	602.4	10	A.-S.	Fr.-N. SW	10	A.-S.	N. SW
Mean	......	......	......	......	......	......	103.1	107.3	137.4	105.4	453.3	9.5	....	....	9.5	....	....
Total	......	......	......	......	......	......	......	......	......	......	[a]14,051.9	....	....	....	....	....	....

[a] 1 hour missing.

AMBULONG, TANAUAN, BATANGAS

[ϕ=14° 07′ N; λ=121° 04′ E; barometer above sea, 10.5 meters; gravity correction not applied, —1.74 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	55.16	55.24	56.36	54.43	54.79	56.53	55.42	26.2	25.3	24.5	26.6	27.5	27	26.2	27.8	24.5	82	89	89	83	81	84	84.7	5.6
2..	56.36	56.56	57.64	56.52	57.99	58.81	57.31	26.8	26.2	28	30.2	27.5	25.3	27.3	31.3	24.2	81	82	77	68	77	84	78.2	......
3..	58.44	58.41	59.47	58.39	58.79	60.37	58.98	23.8	23	27.5	31	29.8	26	26.8	31.2	22.8	92	95	81	61	66	84	79.8	......
4..	59.36	59.17	59.95	58.17	57.97	60.07	59.12	24	23	27.3	33.8	30	24.2	27	34.5	23	91	96	75	57	67	90	79.3	2.5
5..	58.97	59.17	59.70	57.56	57.15	59.44	58.66	23.3	23	28.6	33.2	30	24.2	27	33.9	22.9	92	94	77	61	77	90	81.8	......
6..	58.25	58.14	59.04	56.52	56.54	57.89	57.73	23.2	23.5	30.2	32.8	27	25.8	27.1	33.6	23	92	90	66	56	81	85	78.3	17.8
7..	56.49	56.45	57.38	56.73	56.03	57.61	56.78	24	24	28.8	25	25.3	25.3	25.4	28.9	23.4	91	91	72	92	89	89	87.3	20.8
8..	56.31	56.25	57.49	55.92	55.93	57.64	56.59	23.6	22.7	26.6	30.3	29	27	26.5	30.5	22.6	86	92	86	71	78	84	82.8	......
9..	56.89	57.05	58.13	56.71	56.34	58.10	57.20	24.8	24	26.3	26	25.2	24.2	25.1	27	24	90	96	85	85	90	90	89.3	11.2
10..	57.06	57.11	57.77	55.02	55.68	56.41	56.51	23.2	22.5	27.5	31	26.5	25.7	26.1	31	22.5	92	95	81	62	80	86	82.7	......
11..	56.19	55.42	56.41	55.45	53.82	55.32	55.44	24.9	24.3	27.2	26.8	26	24.7	25.6	27.2	24.2	84	91	83	86	88	90	87	20.3
12..	54.91	54.88	55.05	53.81	53.31	54.69	54.44	24.2	24	27.5	28.5	27.8	27.2	26.5	28.6	23.9	95	96	82	81	83	83	86.7	2.5
13..	53.87	54.11	55.18	53.89	54.26	56.24	54.59	26.6	25	27.8	28	27.8	26.7	27	28.1	25	86	92	79	81	79	81	83	......
14..	55.49	55.50	56.84	54.89	55.32	57.14	55.86	24.7	23.7	26.5	29.5	29	25.8	26.5	29.7	23.6	91	94	80	72	74	85	82.7	......
15..	56.44	56.45	57.19	55.78	56.54	57.81	56.70	24.6	23.7	28	29.5	26.7	25.2	26.3	29.5	23.7	87	92	77	75	81	85	82.8	......
16..	57.35	57.74	58.42	56.65	57.90	58.82	57.81	24.3	24.4	28	27.3	25.3	25	25.7	29.8	24	91	90	77	78	89	92	86.2	24.9
17..	58.49	58.76	59.64	57.99	58.88	59.94	58.95	23.8	23	28.2	29	26.7	25.3	26	29.5	22.8	90	91	76	74	80	89	83.3	......
18..	59.39	59.99	61.23	58.43	59.37	60.25	59.78	23.3	23	28	29.9	27.3	26	26.2	30	22.7	90	91	77	72	82	85	82.8	......
19..	59.54	59.52	60.07	58.47	58.40	60.03	59.34	25	24.5	30	30.5	27	25.3	27	31.5	24.3	92	92	65	62	77	84	78.7	......
20..	58.64	59.01	59.84	57.30	58.29	60.24	58.89	24.6	23.7	30	28.5	25.7	25.3	26.3	30.3	23.5	87	89	67	75	86	89	82.2	......
21..	58.94	59.11	60.24	57.65	58.19	60.14	59.04	24	23.8	29	29.5	27.2	23.7	26.2	31	23.6	94	92	73	70	78	87	82.3	......
22..	59.06	59.06	59.54	57.34	57.69	59.37	58.68	24.6	25	31	32	27.2	25.7	27.6	32.1	24	89	88	61	66	75	82	76.8	......
23..	58.26	58.31	59.29	57.51	57.44	59.36	58.36	25.2	24.8	29.8	31.5	28	25.8	27.5	32.2	24.8	85	87	68	63	77	85	77.5	......
24..	58.79	58.81	59.46	58.12	58.34	59.74	58.88	24.2	22.5	30.4	32.3	28.6	25.5	27.2	32.7	22.5	90	91	63	59	73	84	76.7	......
25..	58.84	59.02	59.73	58.22	58.23	59.87	58.98	24.7	24	30.5	32.7	28.8	26.7	27.9	32.8	23.8	86	88	64	62	75	82	76.2	......
26..	59.34	59.21	60.19	58.12	58.03	59.92	59.14	26.3	25.8	30.8	32.9	29.2	26.4	28.6	33	25.8	85	85	62	57	70	81	73 3	......
27..	58.91	58.89	59.63	57.77	57.94	59.36	58.75	25.3	23.8	30.7	33.4	28.6	26.2	28	33.9	23.8	84	90	63	59	76	85	76.2	......
28..	58.89	58.78	59.33	57.77	57.83	59.04	58.61	24.2	23.2	30.5	30.5	28	25.3	27	32	23	90	93	61	62	74	89	78.2	......
29..	58.71	58.79	59.27	57.22	58.09	59.08	58.53	25.2	24.8	31.3	29.3	26.8	24.1	26.9	33.3	23.3	90	89	64	69	78	91	80.2	5.1
30..	58.44	59.32	59.67	56.76	57.33	58.69	58.37	23.3	22.6	30.4	32.5	28.4	25	27	32.8	22.4	92	93	61	60	75	87	78	......
Mean	57.73	57.81	58.64	56.84	57.08	58.60	57.78	24.5	23.9	28.7	30.1	27.6	25.5	26.7	31	23.6	88.9	91.1	73.1	69.3	78.5	86.1	81.2	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	110.7

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	SW	4	SW	4	SW	2	SW	4	SW	4	SW	3	3.5	10	A.-S.	N. SW	9	Ci.-S.	Cu.-N.
2..	SW	1	SW	3	Calm	....	SW	3	SW	4	Calm	....	1.8	10	Ci.-S.	S.-Cu. SW	8	Ci.-S.	Cu. SW
3..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	5	Ci.	Cu. SW	6	Ci.	Cu.
4..	Calm	....	Calm	....	SW	1	NNE	1	SE	3	NE	1	1	5	Ci. ENE	Cu. SE	5	Ci.-Cu.	Cu.
5..	Calm	....	Calm	....	Calm	....	N	2	Calm	....	SE	3	.8	4	Ci.	Cu. ESE	5	Ci.	Cu.
6..	Calm	....	E	1	Calm	....	Calm	....	S	1	NE	1	.5	4	Ci.-Cu.	Cu. E	5	Ci.	Cu.
7..	Calm	....	N	1	N	1	Calm	....	Calm	....	Calm	....	.3	10	A.-S.	S.-Cu. E	10	A.-S.	N.
8..	Calm	....	Calm	....	SW	1	Calm	....	SE	1	NE	1	.5	9	Ci.-S.	S.-Cu.	6	Ci.	Cu.
9..	NE	1	Calm	....	SW	1	SW	1	Calm	....	Calm	....	.5	10	A.-S.	S.-Cu. SE	10	A.-S.	N.
10..	Calm	....	Calm	....	SW	1	NE	1	WSW	1	NE	1	.7	6	Ci.-Cu.	Cu. E	5	Ci.	Cu.
11..	Calm	....	Calm	....	Calm	....	Calm	....	WSW	2	Calm	....	.3	10	A.-S.	S.-Cu. E	10	A.-S.	N.
12..	NE	1	NE	1	Calm	....	SW	3	SW	3	NE	1	1.5	10	A.-S.	N. W	10	Ci.-S.	S.-Cu. W
13..	NE	1	Calm	....	SW	3	SW	3	SW	3	NE	1	1.8	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. SW
14..	Calm	....	Calm	....	Calm	....	SSE	3	SE	2	Calm	....	.8	5	Ci. NNW	Cu. SW	7	Ci.-S.	Cu.
15..	NE	1	NE	1	Calm	....	Calm	....	Calm	....	NE	1	.5	5	Ci.	Cu. SE	9	Ci.-S.	Cu.-N.
16..	NE	1	Calm	....	Calm	....	Calm	....	Calm	....	NE	1	.3	9	Ci.-S.	Cu.-N. E	10	A.-S.	N.
17..	NE	1	Calm	....	NE	1	NE	2	NE	1	NE	1	1	10	A.-S.	N. E	8	Ci.-S.	Cu.-N. E
18..	NE	1	NE	1	NNE	3	NE	1	NE	1	Calm	....	1.2	6	Ci.-S.	Cu. E	8	Ci.-S.	Cu.-N. E
19..	Calm	....	Calm	....	NE	3	NE	2	Calm	....	NE	1	1	5	Ci.-Cu.	Cu. E	5	Ci.	Cu.
20..	Calm	....	Calm	....	Calm	....	NE	2	Calm	....	Calm	....	.3	4	Ci.	Cu. E	9	Ci.-S.	N. E
21..	Calm	....	Calm	....	Calm	....	NE	2	NE	1	Calm	....	.5	6	Ci.-Cu. NNE	Fr.-Cu. E	9	Ci.-S.	Fr.-Cu. E
22..	Calm	....	NE	1	NE	1	NE	2	NE	1	NE	2	1.2	6	Ci.	Cu. SE	4	Ci.	Cu.
23..	Calm	....	Calm	....	NE	1	NE	2	NE	1	NE	1	.8	7	Ci.-Cu.	Fr.-Cu. SE	7	Ci.-Cu.	Fr.-Cu.
24..	Calm	....	Calm	....	NE	3	NE	1	NE	1	Calm	....	.8	5	Ci.-Cu.	Cu. SE	6	Ci.	Cu.
25..	NE	1	NE	1	NE	2	NE	3	NE	2	NE	1	1.7	4	Ci.	Cu. SE	6	Ci.	Cu.
26..	Calm	....	NE	2	NE	3	NE	3	NE	1	Calm	....	1.5	5	Ci.	Fr.-Cu. SE	7	Ci.-S.	Cu.
27..	Calm	....	Calm	....	NE	2	NE	1	NE	1	Calm	....	.7	4	Ci.	Cu. E	6	Ci.	Cu.
28..	Calm	....	Calm	....	NE	2	NE	1	Calm	....	Calm	....	.5	4	Ci.-Cu.	Cu. ESE	9	Ci.-S.	Cu.-N.
29..	Calm	....	Calm	....	NE	1	SSE	2	Calm	....	Calm	....	.5	4	Ci.	Cu. ENE	8	Ci.-S.	Cu.-N.
30..	Calm	....	Calm	....	Calm	....	NE	1	Calm	....	Calm	....	.2	4	Ci.	Cu.	5	Ci.	Cu.
Mean	......	0.4	......	0.5	......	1.1	......	1.5	......	1.1	......	0.7	0.9	6.5	....	....	7.4	....	....

AMBULONG, TANAUAN, BATANGAS

[ϕ=14° 07′ N; λ=121° 04′ E; barometer above sea, 10.5 meters; gravity correction not applied, —1.74 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.11	58.40	58.91	56.81	57.19	58.43	57.98	23.7	22.8	31.6	32.5	28.5	25.3	27.4	33.8	22	92	92	59	54	71	84	75.3	....
2..	57.32	57.57	57.99	55.44	55.76	57.49	56.93	23.5	22	30	32.8	29.8	26.6	27.4	33	21.8	90	96	65	62	75	86	79	....
3..	56.85	57.27	57.84	55.64	56.09	57.42	56.85	25.3	25.3	30.8	29.7	29.8	25.2	27.7	31.3	24.9	91	89	71	69	70	85	79.2	....
4..	57.01	57.45	58.42	55.77	56.02	58.19	57.14	24.2	24.8	30.8	32.2	29.8	25.3	27.8	32.3	24.2	91	90	62	65	73	84	77.5	....
5..	57.04	57.39	58.29	55.24	56.14	57.87	57	24.4	24	30	31.3	25.6	24.9	26.7	31.4	23.2	90	91	66	60	85	87	79.8	8.6
6..	57.26	57.64	58.37	56.08	57.09	58.71	57.52	24.4	24.3	32	29	26	24.6	26.7	34	24	94	94	66	78	84	88	84	....
7..	57.60	58.36	59.12	56.97	57.59	58.89	58.09	24.2	24	28	30.5	25.7	24.7	26.2	31.3	24	90	91	77	64	84	91	82.8	14.7
8..	57.34	57.57	58.44	55.91	55.81	57.12	57.03	24.2	24	25.2	27.8	25.8	24.1	25.2	28	23.8	95	96	90	79	85	91	89.3	1.8
9..	55.74	55.76	56.66	55.01	55.40	56.22	55.80	24.1	24.2	29	26.8	25	24.5	25.6	30	23.8	94	95	78	78	92	91	88	14
10..	55.21	55.77	56.81	54.84	55.65	57.39	55.94	24.2	25	29	25.7	25	24.7	25.6	30	24.1	90	92	78	86	87	90	87.2	22.6
11..	57	57.16	58.19	56.87	57.69	59.62	57.76	24.2	24.2	29	30	26.8	23.4	26.3	31.4	23.4	95	94	71	67	83	90	83.3	5.3
12..	59.17	60.03	60.39	58.12	59.42	60.99	59.69	23.7	24	28.3	32	27.8	25.7	26.9	32.2	23.5	92	93	75	66	79	86	81.8	1
13..	59.57	59.78	60.81	58.32	58.64	60.49	59.60	24	23	29.3	32	29.5	26.6	27.4	32.3	23	91	95	69	66	75	86	80.3	....
14..	58.34	58.44	58.49	56.25	56.61	58.26	57.73	25	23.7	30	29	25.7	24	26.2	31.1	23.6	92	92	65	74	86	91	83.3	53.6
15..	55.24	55.48	56.50	54	54.55	56.31	55.35	24	23.4	26	29	27	26	25.9	29.1	23.4	91	93	89	74	84	85	86	23.4
16..	55.89	56.21	56.84	55.42	56.09	57.61	56.34	24.3	24.2	29.3	29.8	27.3	26.2	26.8	31	24.2	92	94	70	69	82	85	82	....
17..	56.54	57.29	58.50	56.15	56.62	58.93	57.34	25.3	25	29.2	31.4	30.3	26.8	28	31.8	24.9	89	88	70	64	63	83	76.2	....
18..	57.59	57.27	58.34	55.77	56.51	58.92	57.40	25.3	24	30.3	33	29.8	26	28.1	33.2	23.9	89	96	64	61	73	84	77.8	....
19..	57.89	58.27	58.42	55.94	56.49	58.49	57.58	24.9	24.5	29.4	30	28.7	26.4	27.3	30.1	24	91	94	70	71	73	81	80	15.2
20..	57.81	57.94	59.17	57.11	57.56	59.24	58.14	24	24.2	28	29	26.9	25.7	26.3	29.3	23.6	91	91	77	78	83	86	84.3	1.3
21..	58.21	59.50	60.27	58.42	59.49	60.52	59.40	25	25.2	29.1	28.5	26.2	24.8	26.5	31	23.7	92	92	77	75	82	87	84.2	....
22..	59.64	59.89	60.17	58.58	58.77	60.08	59.52	23.2	23.1	29.8	28.2	26.2	25	25.9	30.5	22.7	93	92	73	76	85	90	84.8	.8
23..	58.86	59.24	60.52	58.32	59.22	60.62	59.46	24.8	24.8	30.3	31.4	27.8	26.3	27.6	32.8	24.7	91	90	64	63	79	85	78.7	....
24..	59.26	59.48	59.94	57.91	58.52	59.96	59.18	24.6	22.6	31	31.2	27.8	25.8	27.2	32.3	22.5	90	93	62	65	79	85	79	....
25..	59.15	59.26	60.12	57.83	59.04	60.12	59.25	24.8	25	31.6	31.2	25.3	24	27	31.7	24	88	92	64	64	89	91	81.3	6.1
26..	59.12	59.77	60.43	58.05	58.66	60.37	59.40	24	24.3	29.3	29.5	25.9	24.5	26.2	30.5	23.8	93	92	69	76	83	91	84	26.4
27..	59.31	59.73	61.07	59	59.28	60.34	59.79	23.8	23.5	29	26.3	26	24.7	25.6	29.2	23.5	92	94	75	82	84	91	86.3	....
28..	59.40	59.63	59.68	57.87	58.29	59.87	59.12	24.2	24.2	29.6	29.7	26.9	26	26.8	31.2	23.2	92	93	72	73	83	87	83.3	....
29..	58.36	58.81	59.97	57.69	58.43	59.99	58.88	25.7	25.2	29.2	28.2	26	25.3	26.6	31.2	25.1	84	86	76	76	85	89	82.7	9.4
30..	58.61	58.69	59.57	57.34	57.47	59.30	58.50	24.8	24.6	29.9	27.3	25.3	24	26	30	23.8	90	91	72	82	89	91	85.8	16
31..	58.35	58.74	60.04	57.58	57.74	59.89	58.72	24.3	24.8	28.3	30	27.6	25.3	26.7	30.7	24.2	91	89	75	67	81	89	82	....
Mean	57.83	58.19	58.98	56.78	57.35	58.96	58.01	24.4	24.1	29.4	29.8	27.2	25.2	26.7	31.2	23.7	91.2	92.3	71.3	70.5	80.8	87.4	82.2	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	220.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	NE	NE	NE	NE	24.7	[a]16.7	.....	.....	....	5	Ci.-Cu.	Fr.-Cu. E	5	Ci.	Cu.
2..	Calm	Calm	SW	SW	SE	Calm	.....	.....	.....	.....	....	4	Ci.	Cu.	5	Ci.-Cu.	Cu. SE
3..	NE	NE	SW	SW	SW	Calm	.....	.....	54.7	29.5	....	5	Ci. NE	Cu. SE	7	Ci.	Cu.-N.
4..	NE	Calm	NE	Calm	SW	Calm	30.9	31.9	60	35.6	158.4	8	Ci.-S.	Cu.-N. SE	8	Ci.-S.	Cu. SE
5..	NE	NE	ESE	SSW	ENE	NE	30.9	26.2	44.8	26.8	128.7	7	Ci.-S. NE	Cu.-N. E	7	Ci.-S.	Cu. E
6..	NE	Calm	SW	SSE	Calm	Calm	.....	.....	.....	.....	....	4	Ci.	Cu.	9	Ci.-S.	N. E
7..	Calm	Calm	E	NE	Calm	Calm	.....	.....	[b]51.5	31.9	....	3	Ci.	....	7	Ci.-S.	Cu. E
8..	Calm	Calm	NE	NE	Calm	Calm	14	24.1	41.6	14.7	94.4	10	A.-S.	N. E	10	Ci.-S.	S.-Cu. E
9..	NE	Calm	Calm	ENE	Calm	Calm	17.2	16.9	30.3	12.9	77.3	9	Ci.-S.	Cu.-N. E	10	A.-S.	N.
10..	Calm	E	Calm	E	NE	NE	18.5	31.4	38.3	37.3	125.5	10	A.-S.	N. ESE	10	Ci.-S.	N. SE
11..	Calm	Calm	Calm	Calm	Calm	NE	17.2	17.1	36.2	32.2	102.7	9	Ci.-S.	S.-Cu. SE	9	Ci.-S.	Cu.-N.
12..	Calm	SW	Calm	Calm	SW	Calm	28.8	22.3	23.8	30.[illegible]	105.8	10	A.-S. E	Fr.-N. SSE	7	Ci.-Cu.	Cu. SE
13..	Calm	SE	SSE	ESE	SE	SE	24.1	44.9	33.3	74.5	176.8	4	Ci.	Cu. SE	7	Ci.-S.	Cu.-N.
14..	SE	E	NE	NNE	Calm	Calm	50.4	75.1	52.3	26.4	204.2	5	Ci.-Cu. ENE	Cu. SE	10	Ci.-S.	S.-Cu. SE
15..	Calm	SE	SE	ENE	NE	Calm	27.2	63.6	104.9	59.5	255.2	10	A.-S.	N. E	9	Ci.-S.	Cu.-N. E
16..	Calm	Calm	Calm	ENE	Calm	Calm	35.4	41.8	53.4?	14.2	144.8	10	A.-S.	S.-Cu. SE	10	Ci.-S.	S.-Cu. SE
17..	Calm	Calm	Calm	SW	SW	Calm	12.1?	16.3	58.2	21.2	107.8	10	Ci.-S.	S.-Cu. SE	5	Ci.	Cu.
18..	NE	NE	Calm	SW	SW	Calm	18	26.6	26.2?	29.3	100.1	4	Ci.	Cu.	7	Ci.-S.	Cu.
19..	Calm	Calm	Calm	Calm	Calm	Calm	24.4	24.6	29.3	20.3	98.6	7	Ci.-S.	Cu. E	9	Ci.-S.	Cu.-N. E
20..	E	Calm	NNE	NNE	Calm	NNE	38.4	35.6	54.5	40.5	169	10	A.-S.	N. SE	10	Ci.-S.	Fr.-N. SE
21..	NNE	NNE	NE	NNE	NNE	N	38.4	65.5	84.7	38	226.6	6	Ci. NNE	Fr.-Cu. E	8	Ci.-S.	Cu.-N.
22..	Calm	Calm	NE	NE	Calm	N	11.5	43.3	73.4	40.2	168.4	5	Ci.	Cu.	9	Ci.-S.	S.-Cu. E
23..	Calm	Calm	NE	NE	N	NNE	17.1	44.1	71.4	25.7	158.3	5	Ci.-Cu.	Fr.-Cu. E	7	Ci.-S.	Cu.-N. E
24..	Calm	Calm	NE	NE	NE	Calm	24.4	58.1	102.4	23	207.9	2	Ci.	....	6	Ci.	Cu.
25..	NE	NE	NNE	NNE	Calm	Calm	19.6?	43.5?	54.2	27.6	144.9	7	Ci.-S. NE	Cu.-N. E	10	Ci.-S.	S.-Cu. E
26..	Calm	Calm	NNE	Calm	Calm	NNE	13.5	41.8	27.7	41.2	124.2	6	Ci.-Cu.	Cu. E	10	Ci.-S.	N. E
27..	Calm	Calm	NNE	NNE	N	Calm	.....	.....	.....	.....	....	6	Ci.	Cu.	10	Ci.-S.	Fr.-N. ENE
28..	Calm	Calm	NNE	NE	NNE	NNE	.....	.....	74.6	63.1	....	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	S.-Cu.
29..	NE	NNE	NNE	NNE	NE	NE	45.7	84.2	90.4	54.7	275	6	Ci.-Cu.	Cu. E	6	Ci.	Cu.
30..	N	NNE	NE	NNE	NE	N	61.7	81.8	82.1	61.8	287.4	8	Ci.-S. NNE	Cu.-N. E	9	Ci.-S.	S.-Cu. E
31..	Calm	NE	NE	NNE	NNE	NNE	34.8	93.1	91.2	73	292.1	9	Ci.-S.	S.-Cu. E	8	Ci.-S.	Cu.-N. E
Mean	......	......	......	......	......	......	27.2	42.8	57.2	36.5	163.9	6.9	....	....	8.2	....	....

[a] 2 hours missing.

[b] 1 hour missing.

AMBULONG, TANAUAN, BATANGAS

[$\phi=14^\circ\ 07'$ N; $\lambda=121^\circ\ 04'$ E; barometer above sea, 10.5 meters; gravity correction not applied, −1.74 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	mm.
1..	59.04	58.99	60.13	58.17	58.87	60.07	59.21	25	25	29.8	31	27.8	25.3	27.3	31.1	24.8	92	92	73	67	79	89	82	......
2..	59.19	59.27	60.37	58.79	59.42	60.53	59.60	24.9	24.8	29.5	29.7	27.2	25.5	26.9	31	24.7	91	88	75	75	83	89	83.5	......
3..	59.44	59.73	59.97	57.71	58.31	60.29	59.24	25.2	25	29.2	31.7	28.7	25.5	27.6	32	24.9	85	86	72	64	75	86	78	12.7
4..	58.86	59.11	59.78	57.74	58.32	59.02	58.81	25.3	25.2	29.7	31.2	28.3	26.7	27.7	31.4	25	86	85	73	64	75	85	78	2
5..	58.34	58.76	59.38	57.03	57.57	59.14	58.37	25.8	25	30	31.2	27.8	25.3	27.5	31.4	24.9	88	92	67	64	79	89	79.8	.5
6..	57.92	58.41	58.69	56.75	57.49	59.06	58.06	24.7	23.8	29.7	27.2	27	25	26.2	31.8	23.2	91	92	73	83	83	87	84.8	7.6
7..	58.14	59.11	59.69	57.57	58.08	59.64	58.71	23.8	24	28	30.5	26.2	25.8	26.4	31.2	23.7	92	91	77	68	82	85	82.5	5.1
8..	58.62	58.71	60.12	57.19	57.24	59.04	58.49	24.8	24.2	29.3	30.8	27.6	26.3	27.2	31	24.1	88	90	76	67	80	85	81	......
9..	57.99	58.21	59.13	56.14	56.79	59.04	57.88	25	22.4	30	32.2	28.7	24.6	27.2	32.3	22.3	92	92	65	65	73	88	79.2	......
10..	57.45	57.51	57.64	55.48	56.64	57.91	57.10	22.5	22.3	28.3	31.2	26.6	24	25.8	31.2	22	92	93	79	64	83	91	83.7	11.9
11..	57.02	57.34	57.39	55.37	56.33	58.20	56.94	23.7	22.8	29.7	32	26.7	24.2	26.5	32.2	22.7	85	88	67	59	79	91	78.2	......
12..	57.19	57.76	58.05	56.24	57.29	58.71	57.54	24.2	23.5	30.5	32.3	28	25.2	27.3	32.6	23.5	90	92	66	64	77	90	79.8	......
13..	57.41	58.02	59.10	57.03	58.55	59.92	58.34	24.4	24	28.3	30.6	27	25	26.6	30.7	22.6	93	96	75	64	77	87	82	......
14..	58.76	58.93	59.47	57.49	58.23	60.07	58.82	23.1	22	28.8	29.7	26.7	24	25.7	31.2	21.8	94	96	75	73	83	91	85.3	......
15..	58.39	58.85	59.43	57.14	58.26	59.26	58.56	24.3	23.7	29.2	29.3	26	23.4	26	30	22.4	89	91	76	76	84	88	84	......
16..	58.35	58.40	59.09	56.34	57.24	58.71	58.02	22.5	23	29.5	30.3	27.5	25.8	26.4	30.4	22.2	90	91	73	70	81	84	81.5	......
17..	57.56	57.63	58.48	56.45	57.09	57.61	57.47	24.2	23	29.8	30.7	26.3	24.8	26.5	31.4	23	90	96	73	69	82	87	82.8	......
18..	55.59	55.79	56.49	54.90	55.71	57.39	55.98	26.3	24.8	24.2	24.3	24.2	24.8	24.8	26.9	23.7	85	88	90	91	90	88	88.7	46.7
19..	56.79	57.70	58.24	55.52	57.57	59.36	57.53	25	24.8	30.5	32	28	25	27.6	32.2	24.2	87	85	62	61	77	92	77.3	......
20..	57.36	57.67	58.82	56.82	57.24	59.01	57.82	25.1	23.5	29.8	27.7	27.7	25	26.5	32	23.5	91	90	69	81	79	87	82.8	13.7
21..	57.39	57.71	58.49	56.12	57.04	59.09	57.64	23.3	23	27.5	30	27.8	25.9	26.2	30.3	22.9	92	95	76	71	79	87	83.3	......
22..	57.95	58.29	59.73	57.98	58.46	59.69	58.68	24.2	24.7	28.3	28.2	25.8	24.2	25.9	29.9	23.7	90	89	75	74	82	90	83.3	......
23..	59.26	59.60	60.94	58.67	59.19	60.79	59.74	23.7	23	25.3	29	25.8	24	25.1	29.1	22.9	89	91	89	71	85	91	86	......
24..	59.64	59.79	60.47	58.70	59.01	60.37	59.66	23	22.6	27.2	27.3	25	24	24.8	27.5	22.5	91	93	76	75	83	91	84.8	.8
25..	59.36	60.45	61.06	58.65	59.68	60.65	59.98	22.8	21.5	26.8	27.4	24.3	23.4	24.4	28	21.5	89	91	78	76	84	88	84.3	.5
26..	60.04	60.24	60.29	58.24	59.13	59.34	59.55	22.4	22.5	27.9	29.3	25.4	24.2	25.3	29.4	22.3	86	87	71	69	80	90	80.5	......
27..	58.34	58.66	59.01	57.94	57.47	58.36	58.30	23.9	23.5	29.3	25.7	24.7	24.8	25.3	29.4	23.2	91	92	69	84	86	88	85	11.4
28..	58.07	58.80	59.72	58.50	59.84	60.99	59.32	25.2	24.6	30	28.3	26	25.4	26.6	31	24.6	85	91	67	75	84	80	80.3	......
29..	59.92	59.89	61.02	58.27	59.09	60.39	59.76	24.9	24.8	26.8	29.2	25.3	24.8	26	29.5	24.3	89	88	78	76	89	87	84.5	......
30..	59.45	59.55	60.92	58.87	59.75	60.77	59.88	24.3	24.8	26.7	28	25.5	25	25.7	29.3	24	89	87	79	77	90	92	85.7	25.2
Mean	58.29	58.63	59.37	57.26	58.03	59.41	58.50	24.2	23.7	28.7	29.6	26.7	24.9	26.3	30.6	23.4	89.4	90.6	73.8	71.2	81.4	88.1	82.4	......
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	138.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	Km.	Km.	Km.	Km.	0–10			0–10		
1..	NNE	NNE	NNE	NNE	NE	N	62.5	84.3	100.6	76.7	324.1	6	Ci.	Cu. E	7	Ci.-S.	Cu. E
2..	N	NNE	NE	NNE	NNE	NNE	69.8	65.4	103	74	312.2	9	Ci.-S.	S.-Cu. E	8	Ci.-S.	Cu.-N. E
3..	NE	Calm	NNE	NE	NE	NE	46.1	65	107	79.7	297.8	10	Ci.-S.	S.-Cu. E	6	Ci.	Cu. E
4..	NNE	NE	NE	NNE	NE	NE	72.4	103.3	110.7	74.6	361	7	Ci.-Cu.	Cu. E	6	Ci.	Cu.
5..	Calm	NE	NE	NNE	NE	Calm	42.1	59.2	102.7	49.4	253.4	10	Ci.-S. NNE	Fr.-N. E	7	Ci.-Cu.	Cu. E
6..	NE	Calm	NNE	NE	NNE	Calm	......	......	......	......	......	6	Ci.	Cu. E	10	Ci.-S.	N. E
7..	N	Calm	Calm	NE	Calm	NE	......	......	......	......	......	10	Ci.-S.	Cu.-N.	10	Ci.-S.	N. E
8..	NE	NE	NNE	NNE	NNE	NE	......	......	......	......	......	7	Ci.	Cu. E	5	Ci.	Cu.
9..	Calm	Calm	NE	NNE	Calm	Calm	......	......	......	......	......	5	Ci.	Fr.-Cu. E	4	Ci.	Cu.
10..	Calm	Calm	Calm	S	Calm	Calm	19.5	22.5	48.6	11.8	102.4	6	Ci.	Cu. E	4	Ci.	Cu.
11..	Calm	Calm	NE	N	Calm	Calm	11.5	34.3	39.9	12.4	98.1	6	Ci. NE	Cu. E	5	Ci.	Cu.
12..	Calm	Calm	NNE	NE	Calm	Calm	12.4	33.5	48.3	11	105.2	2	Ci.	....	5	Ci.-Cu.	Cu. E
13..	Calm	Calm	NE	NE	NE	N	8.3	74.8	72.2	23.8	179.1	5	Ci.	Cu. E	10	Ci.-S.	S.-Cu. E
14..	Calm	Calm	NE	NNE	Calm	Calm	15.1	44.1	56.8	11.8	127.8	10	A.-S. NNE	S.-Cu. E	10	Ci.-S.	Cu.-N. E
15..	Calm	Calm	NE	NE	Calm	Calm	14.2	65.4	75.3	26.4	181.3	5	Ci.	Cu.	9	Ci.-S.	Cu.-N. E
16..	Calm	N	NE	NE	NE	Calm	15.1	36.7	71	14.7	137.5	2	Ci.	....	5	Ci.	Cu. E
17..	Calm	Calm	Calm	N	Calm	Calm	9.7	24.7	42.9	25.7	103	8	Ci.-S.	Cu.-N. E	9	Ci.-S.	Cu.-N.
18..	NW	NNW	NNW	NNE	NNE	NE	71.3	132	111	83.1	397.4	10	A.-S.	Fr.-N. ENE	10	A.-S.	N.
19..	NE	NE	ENE	SE	NNE	NE	57.7	62	75.6	40.2	235.5	9	Ci.-S.	S.-Cu. ENE	5	Ci.	Cu.
20..	NE	Calm	NE	Calm	Calm	Calm	27.9	25.5	34	10.2	97.6	7	Ci.-S.	Cu.	6	Ci.	Cu. E
21..	Calm	Calm	Calm	SW	Calm	Calm	19.8	16.4	21.1	11.9	69.2	4	Ci.-Cu.	Cu. E	9	Ci.-S.	Cu.-N. E
22..	Calm	NE	NE	NE	NE	Calm	22.3	77.9	84.7	38.6	223.5	10	Ci.-S.	S.-Cu. E	10	A.-S.	S.-Cu. E
23..	NE	Calm	Calm	Calm	Calm	Calm	20.7	23.5	33.6	15.3	93.1	9	Ci.-S. NNE	S.-Cu. E	9	Ci.-S.	S.-Cu. E
24..	Calm	Calm	NE	NE	NE	NE	12.4	61.7	110.4	79.4	263.9	10	A.-S. NE	S.-Cu. E	9	Ci.-S.	Cu.-N. E
25..	NNE	NE	NE	NE	NE	NNE	71.9	88.2	113.8	65.8	339.7	10	A.-S.	Fr.-N. E	8	Ci.-S.	Cu.-N. E
26..	N	NE	NE	NE	NE	Calm	50.7	103.2	105.2	25.4	284.5	3	Ci.	....	7	Ci.-S.	Fr.-Cu. E
27..	NNE	N	NE	NNE	NE	NE	28.4	72.9	68.1	85.8	255.2	9	Ci.-S.	Cu.-N. E	9	Ci.-S.	Cu.-N.
28..	N	NNE	NNE	NE	Calm	NE	49.9	53.4	56.5	48.5	208.3	5	Ci.	Cu. E	9	Ci.-S.	S.-Cu. E
29..	NNE	NNE	NE	NNE	NE	NNE	82.1	73.4	67.9	74.2	297.6	8	Ci.-S.	Cu.-N. E	8	Ci.-S.	Cu.-N.
30..	NNE	NNE	NNE	NNE	NE	N	72.9	74.2	98.8	64.9	310.8	9	Ci.-S.	S.-Cu. E	8	Ci.-S.	S.-Cu. E
Mean	......	......	......	......	......	......	38	60.7	75.4	43.7	217.7	7.2	....	....	7.6	....	....

AMBULONG, TANAUAN, BATANGAS

[φ=14° 07′ N; λ=121° 04′ E; barometer above sea, 10.5 meters; gravity correction not applied, —1.74 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.25	59.36	60.05	58.53	59.28	60.77	59.54	24.7	25	29.8	29.2	26.8	26	26.9	31.3	24.4	87	92	69	76	83	84	81.8	1.3
2..	59.29	59.44	60.63	57.94	59.50	60.14	59.49	25.5	25	27.8	29.6	26.2	25.2	26.6	30	25	88	88	71	67	83	85	80.3	......
3..	58.77	59.02	59.57	57.91	58.01	58.24	58.59	25.1	24.3	29.8	25.3	25.2	24.2	25.6	30.2	24.1	86	89	69	89	85	90	84.7	7.1
4..	57.47	57.23	57.74	55.36	55.22	56.84	56.64	24	24	27	27.8	25.8	24.8	25.6	28.7	23.9	91	91	81	79	85	85	85.3	1.3
5..	55.39	55.45	56.85	54.84	55.83	57.26	55.94	24.9	25.1	27.8	29.2	26.9	25	26.5	29.8	24.7	89	91	76	70	80	87	82.2	......
6..	56.29	56.43	57.63	56.07	56.49	58.22	56.86	25.2	24.7	28.7	29.8	26.3	25.8	26.8	30.2	24.6	90	89	74	69	83	82	81.2	......
7..	57.21	57.46	58.64	56.92	57.39	59.21	57.80	25.3	23.2	29	28.8	25.7	24.3	26	30.8	23.2	84	96	71	73	81	89	82.3	......
8..	58.46	58.25	59.42	57.13	57.73	59.24	58.37	22.8	23	29.3	30	28.9	25.3	26.6	31.2	22.6	92	93	69	67	71	88	80	......
9..	58.26	58.67	59.61	57.57	58.70	59.73	58.76	25	24.4	29.6	31.5	27.6	25.5	27.3	31.7	24.3	90	90	67	63	73	88	78.5	1.5
10..	59.06	59.89	60.93	58.40	59.67	60.49	59.74	25	24.2	28	26.8	24.9	24	25.5	29	24	87	90	77	78	87	91	85	3.3
11..	60.06	60.34	60.49	58.75	59.87	60.48	60	24	22.8	28.8	30	27.4	25.3	26.4	30.1	22.8	91	92	72	66	76	89	81	......
12..	59.14	59.56	60.12	57.92	58.59	59.79	59.19	24	23.3	29.2	30.2	27.5	24.2	26.4	30.4	23	91	92	70	64	73	85	79.2	......
13..	58.49	58.87	59.44	56.58	58.02	58.51	58.32	23.7	23.1	29.3	30.4	27.5	24.9	26.5	31.5	22.8	91	94	68	63	73	90	79.8	......
14..	57.52	58.14	58.75	56.70	57.62	58.42	57.86	24.9	24.8	28.2	28.5	26.2	24.6	26.2	28.7	24.3	91	90	69	67	78	87	80.3	......
15..	57.34	58.06	59.32	57.20	58.12	59.06	58.18	24.3	24	27.3	28.8	26.7	25.3	26.1	29.3	23.5	87	91	69	69	71	77	77.3	......
16..	57.96	58.99	60.05	58.51	59.39	60.32	59.20	25	24.8	28	27.9	25.6	25.2	26.1	29.4	24	83	84	66	65	79	77	75.7	......
17..	59.15	59.31	61.05	59.19	59.79	61.04	59.92	25	24.3	28.2	28.5	26.2	25	26.2	30	24.2	79	84	66	67	78	83	76.2	......
18..	60.13	60.55	61.29	59.44	60.27	61.18	60.48	24.3	24.2	27.9	28.6	26	25.2	26	29.4	23.9	89	88	64	65	76	77	76.5	......
19..	60.32	61.20	62.27	60.07	61.34	62.48	61.28	24.8	24.4	27.5	30	25.6	25	26.2	30	24.2	84	87	66	59	82	83	76.8	......
20..	61.66	61.69	62.24	60.14	60.77	62.14	61.44	23.7	23.2	28.3	30.2	26.3	25	26.1	30.2	23	89	90	70	61	76	83	78.2	......
21..	61.44	61.98	62.36	60.52	61.37	63.27	61.82	24.2	23.6	30	28.5	25.2	24.1	25.9	30.2	23.3	90	90	64	68	82	86	80	......
22..	61.82	61.64	62.45	59.79	61.03	61.82	61.42	23.6	24.2	28	29.4	25.4	24.8	25.9	30.2	23.3	87	85	68	64	80	84	78	......
23..	60.47	60.84	61.48	59.91	60.63	60.97	60.72	23.4	23.2	28.5	28.5	25.4	24.8	25.6	30.3	23	88	88	63	67	80	84	78.3	......
24..	59.49	60.39	60.14	57.67	58.97	59.26	59.32	23.2	22.2	29.6	32.6	27.9	24.8	26.7	32.7	22	93	95	69	62	71	85	79.2	......
25..	58.31	59.03	59.82	58.39	59.09	60.24	59.15	23.7	21.6	28.2	31.2	27.1	25.3	26.2	31.3	21.3	89	93	69	64	76	81	78.7	......
26..	58.91	60.42	60.52	58.49	59.47	59.73	59.59	24.6	24.2	28.3	30.2	26.3	25.1	26.4	30.3	23.8	88	90	67	61	77	83	77.7	......
27..	58.93	59.78	60.69	58.69	59.54	60.54	59.70	24	24	30	32.3	28	25.7	27.3	32.4	23	86	86	60	60	74	78	74	......
28..	59.07	60.44	60.83	58.75	60.22	60.87	60.03	24.3	24.2	30.2	28.5	26.3	24.4	26.3	31.3	23.6	84	84	62	65	77	87	76.5	.5
29..	60.14	60.42	61.89	59.94	60.37	61.31	60.68	23.5	23.4	25.3	24.7	24	23.3	24	25.4	22.9	87	86	81	79	85	89	84.5	2.3
30..	60.34	61.29	62.49	61.37	61.79	62.16	61.57	23	22.5	25.5	25.2	22.7	22.2	23.5	26.7	22	88	87	80	82	89	89	85.8	1.8
31..	61.36	62.60	62.95	60.99	61.93	62.45	62.05	21.8	22	26.2	27.5	23.9	22.8	24	27.6	21.7	92	91	75	69	87	88	83.7	......
Mean	59.08	59.57	60.38	58.38	59.23	60.20	59.47	24.2	23.8	28.4	29	26.2	24.7	26	30	23.4	88.1	89.5	69.7	68.3	79.1	85	80	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	NE	NNE	NNE	NNE	NNE	67.1	105.6	104.9	76.9	354.5	8	Ci.-S.	Fr.-Cu.	6	Ci.	Fr.-Cu.
2..	N	NE	NNE	NE	Calm	NNE	60	70	114.5	32.4	276.9	9	Ci.-S. NNE	Cu.-N. E	7	Ci.-S.	Fr.-Cu. E
3..	NNE	NE	NE	NE	Calm	NNE	56.9	74.3	59.3	44	234.5	9	Ci.-S.	Cu.-N. E	10	Ci.-S.	Fr.-N. E
4..	NNE	NNE	NE	NE	NNE	NE	43.1	64.2	90.9	65.8	264	10	Ci.-S. NE	S.-Cu. E	9	Ci.-S.	S.-Cu. E
5..	NNE	NE	E	E	N	NE	73.8	84.3	75.9	43.7	277.7	10	Ci.-S.	S.-Cu. ESE	7	Ci.-S.	Cu. ESE
6..	E	Calm	SSE	SE	ENE	Calm	30.6	45.3	75.9	34.4	186.2	9	Ci.-S. ENE	Cu.-N. ESE	8	Ci.-S.	Fr.-Cu.
7..	Calm	Calm	SE	W	Calm	NE	18.7	30.1	36.5	17.7	103	7	Ci.-S. ENE	Fr.-Cu. SE	9	Ci.-S.	Cu.-N.
8..	NE	NE	NE	SE	Calm	Calm	21.5	39.1	26.8	22.3	109.7	4	Ci.	Cu.	6	Ci.	Cu.
9..	NE	Calm	NE	NE	N	NE	21.9	47.8	86.3	64.9	220.9	4	Ci.	Cu.	6	Ci.	Cu.
10..	NNE	N	NE	NNE	NE	N	57.1	70.6	83.4	62	273.1	10	Ci.-S.	S.-Cu. E	10	A.-S.	S.-Cu. E
11..	Calm	NE	NE	NNE	Calm	NE	36.2	89.1	81.5	43.1	249.9	3	Ci.	....	6	Ci.	Cu. E
12..	NNE	NE	NE	NE	Calm	Calm	48.5	65.7	42.6	11.9	168.7	2	Ci.	....	8	Ci.-S.	Cu.-N. E
13..	Calm	NE	NE	NE	NE	NE	30.1	59.5	66.8	31.6	188	5	Ci.	Fr.-Cu.	6	Ci.-Cu.	Cu.
14..	NE	NE	NNE	NE	NE	Calm	65.4	110.5	117.7	43.5	337.1	7	Ci.-S. NE	Fr.-Cu. E	7	Ci.-Cu.	Cu.
15..	Calm	Calm	NE	NE	Calm	Calm	25.1	59.5	59.5	30.8	174.9	9	Ci.-S.	Cu.-N. E	10	Ci.-S.	S.-Cu. E
16..	N	NE	NE	ENE	NNE	NE	47.7	77.9	82.4	75.1	283.1	7	Ci.-S. ENE	Cu.-N. E	9	Ci.-S.	S.-Cu. E
17..	NE	NE	NE	ENE	NE	NE	69	95.8	96.9	53.7	315.4	6	Ci. NE	Cu. E	7	Ci.-Cu.	Cu. E
18..	NE	NE	NNE	NE	NE	NE	52.1	95	126	83.1	356.2	5	Ci.	Cu.	7	Ci.-S.	Cu. E
19..	NE	NE	NE	NE	NNE	NE	85.8	104.6	108.4	52	350.8	4	Ci.	Cu.	5	Ci.	Cu.
20..	Calm	Calm	NE	NNE	NE	NNE	23.6	61.5	90.7	73.2	249	5	Ci.	Cu.	7	Ci.-S.	Cu. E
21..	NE	N	NE	NE	NNE	NE	54.7	66.2	101.4	47.7	270	5	Ci.	Cu. E	10	Ci.-S.	S.-Cu.
22..	NE	NE	NE	NE	NNE	NNE	61.8	95	122.3	85.8	364.9	7	Ci.-S. NNE	Cu. E	5	Ci.	Cu.
23..	NNE	NNE	NNE	NNE	NNE	NNE	85	84.8	95.5	66.6	331.9	6	Ci.	Cu. E	8	Ci.-S.	Fr.-N. E
24..	Calm	Calm	NNE	NNE	NNE	Calm	18.8	44.5	57.3	23.9	144.5	2	Ci.	....	4	Ci.-Cu.	Cu. E
25..	NNE	Calm	NE	NE	NE	Calm	17.9	41.3	99	43.5	201.7	3	Ci.	....	5	Ci.	Cu.
26..	Calm	NE	NE	NE	NNE	NNE	31.9	61.4	111.6	58.2	263.1	4	Ci.	Cu.	6	Ci.	Cu.
27..	Calm	Calm	NNE	NNE	Calm	N	17.7	47.2	79.1?	36.2	180.2	5	Ci.-Cu.	Cu. E	5	Ci.	Cu.
28..	Calm	Calm	N	NE	NE	NE	23.5	46.7	97.4	97.9	265.5	4	Ci.-Cu.	Cu.	10	Ci.-S.	N.
29..	NE	NE	NNE	NE	NE	NE	103.6	108.1	131.5	134.1	477.3	9	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	Fr.-N.
30..	NE	NE	NE	NE	NE	NE	114	136.6	149.9	135.4	535.9	10	Ci.-S.	Fr.-N. E	10	Ci.-S.	Fr.-N. E
31..	NE	NNE	NE	NE	NE	NE	122.9	153.5	127.6	108.6	512.6	10	Ci.-S.	Cu.-N. E	6	Ci.	Cu.
Mean	......	......	......	......	......	......	51.2	75.3	90.3	58.1	274.9	6.4	....	....	7.4	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	8,521.2	.....	....	....	.....	....	....

PARACALE

[ϕ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.28 meters; gravity correction not applied, —1.73 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.65	61.72	63.04	61.03	61.52	62.58	61.92	25.2	25.5	27.5	27	25.8	25.3	26	28.5	24.8	88	88	83	88	93	95	89.2	14.2
2..	61.78	61.90	63.23	61.11	61.94	63.06	62.17	25	24.8	27.8	27.8	26.3	26	26.3	29.6	24.5	97	98	86	84	90	96	91.8	3.3
3..	61.88	62.63	63.76	61.58	62.36	63.09	62.55	26	24.5	26.3	26.6	25.8	25.5	25.8	27	24.5	96	96	90	90	89	92	92.2	22.4
4..	62.78	62.87	64.27	62.14	62.91	63.64	63.10	24.2	25	27.5	27.5	26.5	26.3	26.2	28.2	23.8	95	94	83	81	84	86	87.2	.5
5..	63.03	63.44	64.68	63.06	64.03	65.41	63.94	25.6	25.2	25	28.2	26	23.8	25.6	29.2	22	88	90	90	83	88	96	89.2	50
6..	64.96	65.66	66.93	64.97	65.53	65.87	65.65	24	24.2	23.5	23.2	23	23.5	23.6	24.4	22.4	97	91	96	97	96	94	95.2	49.4
7..	64.44	64.34	64.95	62.82	63.53	64.61	64.12	23.2	23	25	26.7	25.7	25.3	24.8	26.9	22.8	94	93	92	83	86	85	88.8	16.7
8..	63.33	63.43	64	61.91	62.07	62.67	62.90	24.6	23.7	24.6	27.2	26	25	25.2	27.5	23.2	95	96	93	87	88	92	91.8	13.2
9..	61.40	61.58	62.66	60.58	60.92	61.71	61.48	24.5	24.2	26.6	28	25.8	24.7	25.6	28.4	23	94	94	84	79	88	94	88.8	.5
10..	60.68	60.98	61.82	59.83	59.99	61	60.72	22.8	21.7	26.8	28.5	25.5	23.2	24.8	28.6	21.7	97	98	80	70	88	97	88.3	......
11..	59.79	59.98	61.57	59.51	59.88	61.10	60.30	22.2	21.5	26.8	29	26	23.6	24.8	29	21.5	96	97	82	73	88	97	88.8	......
12..	59.90	60.23	61.49	59.58	59.98	61.33	60.42	22.2	21.2	27.8	29.4	25.6	23.2	24.9	29.8	21.1	97	98	82	74	91	98	90	......
13..	60.60	60.81	62.35	60.43	60.91	62.39	61.25	22.4	20.6	27.5	29.2	25.7	23.2	24.8	29.4	20.5	98	99	81	73	86	97	89	......
14..	62.23	62.41	64.14	62.43	62.77	63.55	62.92	22	21.5	26.5	29	25.5	23.5	24.7	29	21.2	96	97	82	66	89	96	87.7	1.3
15..	62.85	63	64.13	62.06	62.69	63.35	63.01	22.2	21	26.7	29.3	25	24.6	24.8	29.8	21	96	98	80	72	92	92	88.3	8.1
16..	62.75	62.95	63.83	62.14	62.94	64.28	63.15	24.2	23.5	26.8	29.2	26	25.3	25.8	29.2	23.5	95	94	84	70	82	80	84.2	.8
17..	63.83	64.13	65.22	63.78	64.51	65.48	64.49	25	24.5	27.7	28.8	25.6	25.4	26.2	28.8	23	79	80	68	67	75	78	74.5	......
18..	64.45	64.48	65.97	64.13	64.32	65.38	64.79	24.6	24.7	28.4	29	25.5	25	26.2	29	22	79	79	69	68	80	83	76.3	......
19..	64.48	64.63	65.73	64.18	65.30	65.68	65	22.3	21	27.6	27.5	21.5	23.7	23.9	28.7	21	94	97	73	73	96	94	87.8	11.7
20..	65.01	64.52	65.36	63.24	63.50	64.85	64.41	24.2	24.5	27	26.8	25.3	25	25.5	27.5	22	90	83	74	83	80	80	81.7	1.3
21..	64.73	64.81	65.62	63.63	64.09	64.90	64.63	24.6	24.5	26.7	28.3	25	25	25.7	28.5	24.3	79	76	73	66	76	77	74.5	......
22..	64.35	64.28	65.43	63.46	63.48	64.56	64.26	24.3	24.5	27	28.3	25	24.5	25.6	28.8	24	79	75	66	60	72	76	71.3	......
23..	63.50	63.39	64.87	62.61	62.49	63.71	63.43	24	24.5	27	28.5	25.8	25.2	25.8	28.5	23.6	81	78	65	60	72	76	72	......
24..	62.83	62.88	63.93	61.52	61.83	62.81	62.63	23.8	23	28	28.7	26	24.5	25.7	29.1	23	86	91	68	66	78	85	79	.5
25..	62.23	62.29	63.73	61.46	61.93	63.16	62.47	22.4	21.8	27.8	28	26	25.3	25.2	28.9	21.1	96	97	79	79	82	86	86.5	.3
26..	62.23	62.63	64.53	62.58	62.94	63.82	63.12	25.2	25	26.6	28.8	25.8	25.2	26.1	28.8	24.4	82	80	74	61	70	70	72.8	1.3
27..	62.73	62.92	64.28	62.12	62.41	63.54	63	24.6	25	27.5	28.5	25.8	25.2	26.1	28.7	24.1	71	68	63	62	81	82	71.2	2
28..	62.16	62.38	63.99	61.61	62.01	62.49	62.44	25	23.6	27.1	27.5	25.2	25.3	25.6	28.6	23	83	95	81	81	80	83	83.8	2.1
29..	62.30	62.50	64.06	61.96	61.98	63.05	62.64	24.4	22.8	27.7	29	25.2	22	25.2	29.5	20.9	88	97	68	65	82	94	82.3	......
30..	62.30	62.57	63.64	61.71	62.18	63.28	62.61	20	18.9	27	27.5	25.8	23.3	23.8	29.7	18.9	95	98	71	68	78	93	83.8	......
31..	61.79	62.34	63.17	61.03	61.58	62.53	62.07	21.3	20.8	26.5	29.7	25.3	24	24.6	29.9	20.3	97	97	82	70	89	93	88	......
Mean	62.68	62.86	64.08	62.07	62.53	63.51	62.95	23.7	23.2	26.8	28.1	25.5	24.5	25.3	28.6	22.5	90.3	90.7	78.8	74.2	84.2	88.3	84.4	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	199.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	ENE	ENE	ENE	ENE	ENE	Calm	44.5	61	49.9	23	178.4	6	Ci.	Cu. ENE	10	....	N. ENE
2..	ENE	Calm	NE	NE	NE	NE	19.5	42	59.7	57.6	178.8	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. NE
3..	NE	NE	NE	NE	NE	NE	52.1	59.3	68.9	53.3	233.6	10	Ci.-S.	S.-Cu. NE	10	....	N. NE
4..	Calm	Calm	NE	NE	NE	NE	31.4	56.9	70.8	80.2	239.3	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Cu. NE
5..	NE	NE	NE	NE	NE	NE	40.7	56.9	65.2	83.7	246.5	7	A.-Cu.	Cu. NE	4	Ci.	Cu. NE
6..	NE	NE	NE	NE	NE	NE	103.3	105.9	119.1	123.9	452.2	10	Ci.-S.	S.-Cu. NE	10	....	N. NE
7..	ENE	ENE	ENE	ENE	ENE	ENE	111.6	81.5	74	58.7	325.8	10	....	N. ENE	10	Ci.-S.	Cu. ENE
8..	ENE	ENE	ENE	ENE	Calm	ENE	58.7	46.7	38.8	25.7	169.9	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	Cu. ENE
9..	Calm	ENE	ENE	ENE	Calm	Calm	9.2	41.5	40.7	15.1	106.5	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
10..	Calm	Calm	NE	NE	Calm	Calm	5.4	23.6	36.5	5.9	71.4	3	Ci.	Cu. NE	4	Ci.	Cu. NE
11..	Calm	Calm	ENE	ENE	Calm	Calm	6.4	19.6	32.7	5.8	64.5	2	Ci.	Cu. ENE	4	Ci.	Cu. ENE
12..	Calm	Calm	ENE	ENE	Calm	Calm	5.8	23.9	32.4	3.7	65.8	4	Ci.	Cu.	2	Ci.	Cu.
13..	Calm	Calm	ENE	ENE	Calm	Calm	4.5	23.1	37.8	5.9	71.3	2	Ci.	Cu.	4	Ci.	Cu. NE
14..	Calm	Calm	ENE	ENE	Calm	Calm	4.8	27.9	40.5	8.5	81.7	10	Ci.-S.	S.-Cu. ENE	7	Ci.	Cu. NE
15..	Calm	Calm	ENE	ENE	Calm	Calm	6.7	24.9	44.9	37.8	114.3	7	Ci.	Cu. ENE	4	Ci.	Cu. ENE
16..	ENE	Calm	ENE	ENE	Calm	Calm	27.6	38.6	49.6	24.6	140.4	10	Ci.-S.	S.-Cu. NE	7	Ci.	Cu. NE
17..	Calm	ENE	ENE	ENE	ENE	ENE	30.3	58.7	59.7	35.9	184.6	5	Ci.	Cu. ENE	4	Ci.	Cu. ENE
18..	ENE	ENE	ENE	ENE	Calm	Calm	39.7	51.5	53.1	27.4	171.7	5	Ci.	Cu. ENE	4	Ci.	Cu. ENE
19..	Calm	Calm	ENE	ENE	ENE	Calm	13.1	41.5	55	33.2	142.8	4	Ci.	Cu. NE	10	Ci.-S.	Cu. NE
20..	NE	NE	NE	NE	NE	NE	81	91.1	97.4	93.1	362.6	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. NE
21..	ENE	ENE	ENE	ENE	ENE	NE	65	70.5	66.8	52.3	254.6	6	Ci.-S.	Cu. ENE	4	Ci.	Cu. ENE
22..	NE	NE	NE	NE	NE	NE	52.1	73.5	78.9	63.1	267.6	6	Ci.	Cu. NE	2	Ci.	Cu. NE
23..	NE	NE	NE	NE	NE	Calm	59.3	56.3	56.3	36.5	208.4	10	Ci.-S.	Cu. NE	4	Ci.	Cu. NE
24..	Calm	Calm	ENE	ENE	ENE	Calm	19.1	39.6	51.8	23.5	134	10	Ci.-S.	Cu. ENE	2	Ci.	Cu. ENE
25..	Calm	Calm	ENE	ENE	NE	NE	8.5	30.6	52.8	41	132.9	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
26..	NE	NE	NE	NE	NE	NE	44.5	61.8	72.6	70.2	249.1	10	Ci.-S.	Cu. NE	3	Ci.	Cu. NE
27..	NE	NE	NE	NE	NE	NE	52.8	62.3	67.9	43.3	226.3	10	Ci.-S.	Cu. NE	6	A.-Cu.	Cu. NE
28..	ENE	ENE	ENE	ENE	ENE	ENE	38.6	51.3	61.5	59.5	210.9	10	Ci.-S.	Cu. ENE	6	Ci.	Cu. ENE
29..	Calm	Calm	ENE	ENE	Calm	Calm	27.4	34.8	45.9	7.8	115.9	10	Ci.-S.	Cu. NE	3	Ci.	Cu. NE
30..	Calm	Calm	NE	NE	Calm	Calm	6.4	24.1	39.6	11.6	81.7	1	Ci.	Cu.	10	Ci.-S.	Cu.
31..	Calm	Calm	ENE	ENE	Calm	Calm	6.4	29.8	49.7	17.5	103.4	10	Ci.-S.	Cu.	6	Ci.	Cu. ENE
Mean	......	......	......	......	......	......	34.7	48.7	57.1	39.7	180.2	7.7	....	....	6.5	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	5,586.9	....	....	....	....	....	....

PARACALE

[ϕ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.28 meters; gravity correction not applied, —1.73 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.99	62.44	63.48	61.58	62.83	63.03	62.56	22.2	21	27	29	26	25.3	25.1	29	21	96	98	80	75	86	89	87.3	1.5
2..	62.54	62.98	64.19	62.39	63.08	64.19	63.23	24.7	23.5	27.7	29	25.8	24.4	25.8	29	23.5	92	96	84	81	92	92	89.5	......
3..	63.93	64.44	65.07	63.03	63.57	64.42	64.08	24.4	21.2	28	29.5	25.3	23.5	25.3	29.7	21	92	99	70	64	94	90	84.8	......
4..	63.70	64.63	65.88	63.98	65.08	65.82	64.85	21.3	20.4	28.2	29.5	25.8	25.4	25.1	29.7	19.9	95	97	56	52	68	70	73	......
5..	65.03	65.51	66.56	64.68	66.13	66.45	65.73	25	25	27	26.5	23.5	23	25	27.5	22.5	76	76	70	73	87	93	79.2	11.5
6..	65.76	66.46	67.37	64.58	65.65	65.83	65.94	23.5	24.5	24.7	24.5	24	23	24	24.9	22.3	87	78	83	84	90	97	86.5	26.5
7..	65.05	65.43	66.61	64.13	64.95	64.86	65.17	23.6	25.2	24.5	25.5	25	24.8	24.8	26.2	22.6	93	80	87	88	83	89	86.7	30.6
8..	64.47	64.63	65.76	63.47	64.06	64.46	64.48	22.7	23	25.3	27.8	25.7	25.2	25	28	22.4	97	97	88	75	78	80	85.8	4.6
9..	63.54	64.24	65.41	63.84	64.33	64.87	64.37	24.7	23.6	27.3	28.7	25.8	24.8	25.8	28.7	23.5	81	86	71	67	76	81	77	......
10..	63.53	63.62	64.55	62.62	62.92	64.19	63.57	24	24	27.8	27.8	25.5	25.2	25.7	28.4	23	87	87	70	71	80	82	79.5	......
11..	63.58	64.18	65.01	62.88	63.42	64.63	63.95	25	25	28	28.8	25.5	25.5	26.3	29.2	24.7	80	78	67	69	76	80	75	2.8
12..	63.15	63.20	64.18	61.52	62.42	63.04	62.92	24.4	23.7	25	28	25.1	24.6	25.1	28	23	88	92	92	74	87	92	87.5	22.7
13..	62.18	62.47	63.48	61.46	61.83	63.13	62.42	24.2	23.8	27.8	28.3	26.2	23.4	25.6	28.3	22.6	94	95	81	81	90	97	89.7	......
14..	62.10	62.68	64.01	62.36	62.86	63.66	62.94	22.1	21.5	28	29	26	25.2	25.3	29	21.5	97	98	72	71	80	82	83.3	.5
15..	63.25	63.25	64.01	62.43	63.02	63.48	63.24	24.4	24.2	28.4	29.5	26.8	26.3	26.6	29.6	23.8	88	90	72	71	82	86	81.5	2.8
16..	62.53	62.70	63.08	61.21	61.21	61.79	62.09	26	23	27	29.6	25.8	24	25.9	29.7	22.9	84	94	83	69	84	96	85	......
17..	60.97	61.20	61.86	60.08	60.12	60.99	60.87	22.8	22	28	26.2	25.7	25.2	25	29.2	22	97	98	76	82	82	82	86.2	.8
18..	59.82	60.53	61.49	59.88	60.72	61.41	60.64	24.6	23.8	27.3	27	25.5	25.2	25.6	29	23.5	83	87	75	77	80	78	80	8.9
19..	60.89	61.28	62.63	60.29	60.78	61.87	61.29	23.8	24.5	24.2	26.8	25.8	25.6	25.1	28.1	23.3	85	90	91	77	81	84	84.7	20.8
20..	61.27	61.85	62.36	59.94	60.26	60.96	61.11	25.3	25.2	27.5	27.3	26	25.2	26.1	28.1	23.3	84	82	73	73	78	83	78.8	......
21..	59.73	60.48	61.98	59.33	59.46	59.69	60.11	22.1	21.2	27.5	30	26.7	24.6	25.4	30.2	21.2	96	98	70	70	83	95	85.3	......
22..	59.45	59.73	60.38	58.66	59.18	60.23	59.60	22.4	21.7	28.3	29.9	27	26	25.9	30.2	21.7	96	98	79	72	84	90	86.5	......
23..	59.48	59.97	60.81	59.18	59.96	61.23	60.10	24.6	24	28.8	29.7	26.8	26	26.6	30.3	23.2	95	94	73	71	78	88	83.2	......
24..	60.69	60.97	61.64	59.58	59.97	60.94	60.63	24.2	24.4	29	30.2	26.7	24.6	26.5	30.4	23.2	94	92	71	69	83	91	83.3	......
25..	60.18	61.10	62.13	60.28	60.76	62.07	61.09	22.3	22	28.3	28.2	25	24.3	25	30	21.7	94	97	68	69	83	86	82.8	7.8
26..	61.33	61.80	63.28	61.87	62.10	63.10	62.25	24.8	24.8	24.5	25.8	24.6	25.2	25	26	23.5	80	79	83	74	79	76	78.5	......
27..	61.90	62.23	63.68	61.57	61.18	62.33	62.15	24.9	24.7	28.2	29	26.3	25.7	26.5	29.8	24.4	80	82	69	69	78	78	76	......
28..	61.58	62.19	63.13	61.03	60.94	61.98	61.81	25.2	24.7	28	30	26	25.3	26.5	30	24	80	82	70	62	76	77	74.5	......
Mean	62.27	62.72	63.72	61.71	62.24	63.02	62.61	23.9	23.4	27.2	28.3	25.7	24.9	25.6	28.8	22.7	89	90	75.9	72.5	82.1	85.9	82.5	......
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	141.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	ENE	ENE	ENE	ENE	6.9	28.2	52.9	32.5	120.5	4	Ci.	Cu. ENE	4	Ci.	Cu. ENE
2..	Calm	Calm	ENE	ENE	Calm	Calm	16.3	27.4	42.8	22.3	108.8	10	Ci.	Cu. ENE	4	Ci.	Cu. ENE
3..	Calm	Calm	ENE	ENE	Calm	Calm	24.3	40.7	49.1	16.3	130.4	7	Ci.	Cu. ENE	1	Ci.	Cu. ENE
4..	Calm	Calm	ENE	ENE	ENE	ENE	13.7	47	54.7	60.2	175.6	4	Ci.	Cu. ENE	3	Ci.	Cu. ENE
5..	ENE	ENE	ENE	ENE	ENE	ENE	80.8	112.7	130.7	124.5	448.7	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
6..	ENE	ENE	ENE	ENE	ENE	ENE	113.2	104.6	93.6	67.8	379.2	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	S.-Cu. ENE
7..	ENE	ENE	ENE	ENE	ENE	ENE	78.4	73.7	72.4	44.8	269.3	10	A.-Cu.	Cu. ENE	10	Ci.-S.	S.-Cu. ENE
8..	ENE	Calm	ENE	ENE	ENE	ENE	18.7	38.6	57.3	38.3	152.9	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
9..	ENE	ENE	ENE	ENE	ENE	ENE	36.2	61.2	62	42.3	201.7	5	Ci.	Cu. ENE	4	Ci.	Cu. ENE
10..	Calm	ENE	ENE	ENE	ENE	ENE	24.1	52.8	59.8	60	196.7	7	Ci.	Cu. ENE	6	Ci.	Cu. ENE
11..	ENE	ENE	ENE	ENE	E	ENE	56.9	53.4	55	49.7	215	10	Ci.-S.	Cu. ENE	4	Ci.	Cu. ENE
12..	ENE	ENE	Calm	ENE	ENE	Calm	39.7	34.3	57.7	29.2	160.9	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
13..	Calm	Calm	ENE	ENE	Calm	Calm	13.5	35.6	42.9	7.5	99.5	4	Ci.	Cu. ENE	7	Ci.	Cu. ENE
14..	Calm	Calm	ENE	ENE	ENE	ENE	5.6	34.9	56.1	40.5	137.1	6	Ci.	Cu. ENE	4	Ci.	Cu. ENE
15..	ENE	Calm	ENE	ENE	ENE	ENE	34.9	47.5	51.7	29.6	163.7	6	Ci.	Cu. ENE	4	Ci.	Cu. ENE
16..	Calm	Calm	ENE	ENE	Calm	Calm	28.2	22	40.7	8.9	99.8	10	Ci.-S.	Cu. ENE	6	Ci.-S.	Cu. ENE
17..	Calm	Calm	NNE	NNE	Calm	Calm	6.6	29.2	44.5	34.4	114.7	7	Ci.	Cu. NNE	10	Ci.-S.	Cu. NNE
18..	ENE	Calm	ENE	ENE	ENE	ENE	27.7	46.5	54.9	38.6	167.7	4	Ci.	Cu. E	7	Ci.	Cu. ENE
19..	Calm	ENE	E	E	E	E	28.7	37.3	56	51.3	173.3	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	Cu. E
20..	E	E	E	E	E	Calm	49.9	71.4	67.4	37.2	225.9	7	Ci.	Cu. E	6	Ci.	Cu. E
21..	Calm	Calm	E	E	Calm	Calm	7.2	26.2	38	16.3	87.7	2	Ci.	Cu.	2	Ci.	Cu.
22..	Calm	Calm	ENE	ENE	ENE	ENE	6.6	31.1	47.2	31.7	116.6	7	A.-Cu.	Cu.	2	Ci.	Cu. ENE
23..	Calm	Calm	ENE	ENE	ENE	Calm	14.8	34.6	53.4	31.2	134	2	Ci.	Cu.	3	Ci.	Cu. ENE
24..	Calm	Calm	ENE	ENE	Calm	Calm	14.2	36.5	48	10.7	109.4	2	Ci.	Cu.	2	Ci.	Cu.
25..	Calm	Calm	ENE	ENE	NE	NE	10.8	43.8	74.8	90.4	219.8	7	Ci.	Cu. ENE	6	Ci.	Cu. ENE
26..	NE	NE	NE	NE	NE	NE	96.8	86.7	71.1	65.4	320	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. NE
27..	ENE	ENE	ENE	ENE	ENE	ENE	50.1	51.3	54.7	36	192.1	10	Ci.-S.	Cu. ENE	4	Ci.	Cu. ENE
28..	ENE	ENE	ENE	ENE	ENE	ENE	34.8	37.2	46.7	26.6	145.3	6	Ci.	Cu. ENE	6	Ci.	Cu. ENE
Mean	......	......	......	......	......	......	33.6	48.1	58.4	40.9	180.9	7	......	......	5.9	......	......
Total	......	......	......	......	......	......	......	......	......	......	5,066.3	......	......	......	......	......	......

PARACALE

[φ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.28 meters; gravity correction not applied, —1.73 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.27	61.47	63.13	60.98	60.76	61.73	61.56	23.8	22.2	29	29.3	25.7	22.5	25.4	29.6	21.2	88	91	64	58	75	89	77.5	......
2..	60.78	60.98	62.79	61.51	61.31	62.83	61.70	20.8	20.4	27	29.2	26.1	24.5	24.7	29.6	20.3	94	96	74	66	79	89	83	0.8
3..	61.73	62.37	63.73	62.05	62.19	63.17	62.54	24.7	25.2	29.1	30	26.5	25.8	26.9	30.2	24.7	86	82	69	67	80	81	77.5	......
4..	62.18	62.69	64.19	62.45	62.56	63.26	62.89	25.8	24.3	29	29.5	26	24	26.4	29.6	22.3	78	85	58	58	72	83	72.3	......
5..	62.40	62.73	63.97	62.10	61.91	63.07	62.70	21.3	20.3	27.7	29.8	26.5	25.5	25.2	30.2	20.3	94	95	62	58	73	77	76.5	......
6..	61.78	62.38	63.16	61.41	61.43	62.63	62.13	22	21	28.5	30	26.3	26.2	25.7	30.3	20.8	91	96	61	62	78	79	77.8	......
7..	61.69	62.26	63.38	61.71	61.39	62.33	62.13	25.5	25.5	28.5	29.5	26.3	25.7	26.8	30.4	24.8	81	80	67	60	74	84	74.3	......
8..	61.59	61.89	63.09	61.08	61.01	62.58	61.87	25.2	25.3	28.8	29.5	26.5	25	26.7	30.4	24	82	74	63	61	76	92	74.7	8.1
9..	61.71	62.02	63.02	61.16	61.48	62.38	61.96	24	24.3	28.8	28	24.7	26	26	29.2	23.6	98	96	72	77	94	81	86.3	2.3
10..	61.98	62.48	63.33	61.63	61.31	62.63	62.23	25.7	25.2	28.8	29.8	26.3	25.8	26.9	30.2	25.2	80	82	71	65	78	84	76.7	......
11..	61.87	62.37	64.04	61.16	61.29	62.51	62.21	25.2	25.3	24.5	28.8	26.2	25.7	26	30	24	85	81	97	73	79	82	82.8	.5
12..	61.52	62.33	63.83	61.77	61.36	62.73	62.26	23.8	22.5	29	30.2	27	25.3	26.3	31	22.4	93	97	71	68	79	86	82.3	......
13..	61.45	62.35	63.79	61.73	61.42	62.33	62.18	23	22.3	29	30.1	27	26.5	26.3	30.4	22.2	96	97	69	64	75	80	80.2	......
14..	61.36	61.76	63.48	61.42	61.83	62.76	62.10	25.4	25	28	28	26.5	24.7	26.3	30	23.8	84	88	77	74	80	86	81.5	2.5
15..	61.69	62.10	63.63	61.81	61.53	62.42	62.20	22.3	22	29.1	30.3	27	24.5	25.9	30.9	21.8	94	96	71	64	77	92	82.3	......
16..	61.58	62.20	63.47	61.48	61.66	62.48	62.14	21.9	21.7	29.3	30.5	26.8	26.3	26.1	30.6	21.6	96	97	64	62	73	78	78.3	.5
17..	61.56	61.85	63.52	62.03	62	63.14	62.35	25	25	29	30	27	25	26.8	30.4	24.2	83	80	61	65	73	85	74.5	......
18..	62.29	62.39	63.86	62.13	62.58	64.02	62.88	25.3	24.2	29	29.8	24.5	25	26.3	30.6	24	81	86	69	66	96	93	81.8	6.8
19..	62.60	62.79	64.26	62.58	62.33	63.71	63.04	24.1	23.2	28.5	27.5	26.5	25.2	25.8	30.1	23	96	98	81	82	86	95	89.7	16
20..	62.49	62.62	63.61	61.53	61.41	62.43	62.35	24	24.7	27.8	29.5	26.7	26.3	26.5	30.1	23.5	96	96	80	75	84	84	85.8	......
21..	61.16	61.18	62.51	60.23	60.55	61.58	61.20	25	22.8	29.3	30	26.8	24.3	26.4	30.2	22.8	88	97	66	68	82	95	82.7	......
22..	60.53	60.83	62.08	59.76	60.21	61.36	60.80	23.5	21.5	29.2	30.1	27.3	26.2	26.3	30.5	21.5	96	97	62	64	75	90	80.7	......
23..	60.20	60.69	61.58	59.83	60.08	60.52	60.48	24	22.8	30.5	29.5	27.8	26.1	26.8	30.9	22.6	91	97	70	75	82	93	84.7	......
24..	59.93	60.62	61.07	59.16	60.21	61.28	60.38	24.3	24	30.5	31.3	27.5	25.5	27.2	31.8	23.9	94	97	70	66	81	84	82	......
25..	59.63	60.65	62.03	60.02	60.38	62.21	60.82	24.9	21	28.9	30.7	27.4	27	26.6	31.2	21	83	96	71	67	81	81	79.8	......
26..	61.68	61.96	62.97	60.69	60.96	61.73	61.66	25.8	25.6	29.5	30.8	26.3	26.6	27.4	31.5	25.3	82	79	68	60	83	78	75	.6
27..	60.63	61.02	62.21	60	59.91	61.38	60.86	25.6	25.3	28.5	31	27.5	25.2	27.2	31.5	24.6	87	89	74	65	77	92	80.7	2.3
28..	60.37	61.07	62.14	60.35	60.53	61.76	61.04	24.8	23.6	28.8	29.2	25.3	25.2	26.2	29.3	23.6	93	97	71	73	93	92	86.5	3.5
29..	60.13	60.78	61.92	60.08	60.27	62.01	60.86	24.5	25	27.8	30	27.3	26.4	26.8	31	24.2	91	90	81	66	77	81	81	......
30..	60.16	60.06	61.11	59.11	58.91	60.97	60.05	24.8	24.5	29.5	30.5	27.5	26.2	27.2	31.3	24.3	90	89	64	66	77	85	78.5	7.9
31..	59.20	59.25	60.36	57.92	58.17	60.09	59.16	24.7	23.4	29.8	30.2	27.8	25.4	26.9	31	23.2	90	97	68	70	84	97	84.3	......
Mean	61.26	61.68	62.94	61	61.06	62.26	61.70	24.2	23.5	28.7	29.8	26.6	25.5	26.4	30.5	23.1	89.1	90.9	69.9	66.6	79.8	86.1	80.4	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	51.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	ENE	ENE	Calm	Calm	22.2	44.9	54.4	11.3	132.8	6	Ci.	Cu. ENE	4	Ci.	Cu. ENE
2..	Calm	Calm	ENE	ENE	ENE	ENE	5.6	24.3	43.8	29.6	103.3	2	Ci.	Cu.	4	Ci.	Cu. ENE
3..	ENE	ENE	ENE	ENE	ENE	ENE	38.6	61.2	60	47.3	207.1	6	Ci.	Cu.	5	Ci.	Cu. ENE
4..	ENE	Calm	ENE	ENE	ENE	Calm	40.8	53.6	57.6	22	174	7	Ci.	Cu. ENE	4	Ci.	Cu. ENE
5..	Calm	Calm	ENE	ENE	Calm	Calm	8.5	34.8	51.8	23.5	118.6	3	Ci.	Cu.	3	Ci.	Cu. ENE
6..	Calm	Calm	ENE	ENE	ENE	ENE	6.7	30.9	49.9	39.7	127.2	3	Ci.	Cu. ENE	1	Ci.	Cu.
7..	ENE	ENE	ENE	ENE	ENE	ENE	39.1	64.4	64.4	50.2	218.1	4	Ci.	Cu. ENE	3	Ci.	Cu. ENE
8..	ENE	ENE	ENE	ENE	ENE	Calm	68.9	59.5	56.1	38.9	223.4	4	Ci.	Cu. ENE	4	Ci.	Cu. ENE
9..	Calm	Calm	ENE	ENE	ENE	ENE	15	48.9	58.5	51.7	174.1	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
10..	ENE	ENE	ENE	ENE	ENE	ENE	49.6	62.6	56.1	42.9	211.2	4	Ci.	Cu. ENE	4	Ci.	Cu. ENE
11..	ENE	ENE	Calm	ENE	ENE	Calm	42.6	43.8	56	23.1	165.5	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
12..	Calm	Calm	ENE	ENE	Calm	Calm	5.6	30.8	51.8	26	114.2	5	Ci.	Cu. ENE	4	Ci.	Cu. ENE
13..	Calm	Calm	ENE	ENE	ENE	ENE	7.2	41.8	48.9	38.6	136.5	4	Ci.	Cu. ENE	4	Ci.	Cu. ENE
14..	ENE	ENE	ENE	ENE	Calm	Calm	31.2	42	54.4	23.3	150.9	7	Ci.	Cu. ENE	7	Ci.	Cu. ENE
15..	Calm	Calm	ENE	ENE	Calm	Calm	6.4	31.9	49.9	13.1	101.3	3	Ci.	Cu. ENE	4	Ci.	Cu. ENE
16..	Calm	Calm	ENE	ENE	ENE	ENE	8	46.7	59.7	37.8	152.2	2	Ci.	Cu.	4	Ci.	Cu. ENE
17..	ENE	ENE	ENE	ENE	ENE	Calm	42.1	63	53.6	22.8	181.5	6	Ci.	Cu. ENE	6	Ci.	Cu. ENE
18..	ENE	Calm	ENE	ENE	Calm	ENE	23.3	46.7	41.3	30	141.3	3	Ci.	Cu.	6	Ci.	Cu. ENE
19..	Calm	Calm	ENE	ENE	Calm	ENE	8.2	29.5	49.3	31.4	118.4	10	Ci.-S.	Cu. ENE	6	Ci.	Cu. ENE
20..	Calm	Calm	ENE	ENE	ENE	Calm	10.3	41.5	58.4	28.7	138.9	7	Ci.	Cu. ENE	5	Ci.	Cu. ENE
21..	ENE	Calm	ENE	ENE	ENE	Calm	19.8	38.1	61.5	16.3	135.7	2	Ci.	Cu.	2	Ci.	Cu. ENE
22..	Calm	Calm	ENE	ENE	ENE	ENE	13.4	26.2	46.2	22	107.8	2	Ci.	Cu.	2	Ci.	Cu.
23..	Calm	Calm	ENE	ENE	Calm	Calm	7.8	26.8	38	11.5	84.1	3	Ci.	Cu.	5	Ci.	Cu. ENE
24..	Calm	Calm	ENE	ENE	ENE	Calm	7	37.6	58.2	32.4	135.2	7	Ci.	Cu. ENE	3	Ci.	Cu.
25..	ENE	Calm	ENE	ENE	ENE	ENE	19.8	35.6	55.5	41.2	152.1	2	Ci.	Cu.	3	Ci.	Cu. ENE
26..	ENE	ENE	ENE	ENE	Calm	ENE	36.2	66.6	56.6	62	221.4	4	Ci.	Cu. ENE	4	Ci.	Cu. ENE
27..	ENE	Calm	ENE	ENE	ENE	Calm	39.4	46.9	56.1	21.2	163.6	6	Ci.	Cu. E	4	Ci.	Cu. ENE
28..	Calm	Calm	ENE	ENE	Calm	Calm	13.2	36.8	35.2	19.6	104.8	4	Ci.	Cu. ENE	10	Ci.-S.	S.-Cu. ENE
29..	Calm	Calm	ENE	ENE	ENE	ENE	19	51.8	60.7	32.2	163.7	6	Ci.	Cu. ENE	4	Ci.	Cu. ENE
30..	Calm	Calm	ENE	ENE	ENE	Calm	23.1	56.6	61.4	24.9	166	2	Ci.	Cu.	3	Ci.	Cu.
31..	Calm	Calm	ENE	ENE	Calm	Calm	12.4	35.2	55.5	13.2	116.3	2	Ci.	Cu.	6	Ci.	Cu. S
Mean	......	......	......	......	......	......	22.3	43.9	53.6	29.9	149.7	4.7	....	....	4.6	....	....
Total	......	......	......	......	......	......	......	......	......	......	4,641.2	....	....	....	....	....	....

PARACALE

[φ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.28 meters; gravity correction not applied, −1.73 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	mm.
1..	59.10	59.98	61.20	59.09	59.37	61.06	59.97	24.2	23.5	29.5	30.5	28	25.2	26.8	31.1	23.3	97	97	68	72	83	97	85.7	....
2..	60	60.60	61.82	60.26	60.38	61.48	60.76	23.2	23.3	30	29.2	27.8	25	26.4	31.2	23	96	97	73	74	79	94	85.5	....
3..	60.33	60.73	61.26	58.81	58.97	60.30	60.07	24.4	24.2	30.3	31.2	28	26	27.4	31.6	23.6	97	97	66	64	79	92	82.5	....
4..	59.30	59.83	60.66	58.97	59.36	60.54	59.78	24.3	23.4	30.2	31.5	27.5	26.4	27.2	31.9	23.2	94	97	66	60	81	89	81.2	....
5..	60.52	60.73	61.31	59.46	60.21	61.64	60.64	24.7	23.8	29.8	31.3	28	26.5	27.4	31.7	23.4	90	93	69	63	77	83	79.2	....
6..	60.78	60.89	61.71	59.96	60.36	61.81	60.92	23.8	23	29.8	31.3	28.2	27.2	27.2	31.8	23	93	97	69	63	77	81	80	....
7..	60.58	60.95	61.51	59.56	59.96	60.61	60.53	25.2	24	31	31.5	28	27	27.8	32	23.8	90	91	64	66	77	77	77.5	....
8..	59.08	59.71	60.36	58.52	58.91	60.06	59.44	26	24.5	30	31.7	28	26.3	27.8	32.3	24.2	84	92	71	65	81	90	80.5	4.4
9..	58.52	58.71	59.70	57.94	58.66	59.32	58.81	25	25.1	30	31.5	28.2	27	27.8	32.2	24.8	97	98	77	71	83	92	86.3	1.3
10..	57.70	58.24	59.63	57.32	57.91	59.52	58.39	26	25.1	31.8	30.5	28.5	27	28.2	32.8	25	96	98	69	74	85	94	86	....
11..	57.73	58.65	59.46	57.57	57.93	59.43	58.46	25.2	24.8	32	29.3	26.3	25.5	27.2	32.4	24.7	96	98	67	80	94	98	88.8	2.3
12..	58.63	58.93	59.75	57.72	58.35	59.62	58.83	24.5	25.4	30.8	31.6	28.5	25.3	27.7	32.4	24	96	91	67	66	81	89	81.7	....
13..	58.80	59.32	60.25	57.90	58.03	60.10	59.07	24.1	23.1	29.5	31.5	28.4	27.5	27.4	32.2	23	93	97	72	66	82	84	82.3	....
14..	58.88	59.36	60.53	58.54	59.26	60.81	59.56	25	24	30.5	31.5	28.5	27.7	27.9	32.5	23.5	92	96	64	63	78	84	79.5	....
15..	59.46	60.26	61.03	58.96	59.46	61.38	60.09	25.7	24.3	31	32.2	28.5	27.7	28.2	33.1	24	92	96	67	65	82	84	81	....
16..	60.23	60.74	61.31	59.32	60.41	60.82	60.47	26	23.6	30.2	31.5	28	27.5	27.8	32.4	23.3	89	97	66	61	74	83	78.3	....
17..	59.26	59.88	60.80	58.72	59.07	60.41	59.69	25.8	24	31.2	31.6	28.3	26.4	27.9	32.4	23.9	92	96	66	63	78	87	80.3	.3
18..	58.83	59.25	60.68	58.56	58.88	60.32	59.42	25.2	25.3	30.5	31.8	28.3	27.5	28.1	32.7	25	95	93	70	67	82	84	81.8	....
19..	59.99	60.78	61.83	60.16	60.32	62.02	60.85	25.7	25.5	30.8	31.5	28.3	27.5	28.2	32.7	24.5	91	90	69	64	77	81	78.7	....
20..	61.73	61.81	62.68	61.09	61.17	62.77	61.88	26.4	26.6	30.5	31.4	28.5	27.7	28.5	33	26	85	83	68	64	74	76	75	....
21..	61.44	62.01	62.33	59.87	60.16	61.91	61.29	25.4	24.5	31	31.8	28.5	27.8	28.2	32.4	24.4	88	90	62	61	74	79	75.7	....
22..	60.93	61.12	61.58	59.64	59.54	60.88	60.62	24.8	23.7	30.6	32.3	28.3	27.8	27.9	32.8	23.4	90	94	68	62	77	82	78.8	....
23..	60.68	61.41	61.78	59.90	60.34	61.71	60.97	26.3	24.2	31.2	31.7	29	27.2	28.3	32.9	24	86	94	66	59	75	83	77.2	....
24..	60.63	61.74	62.13	60.24	60.34	62.23	61.22	25.8	24.3	31.5	31.8	28.3	27.8	28.2	32.8	24	89	93	63	63	77	79	77.3	....
25..	60.81	61.39	61.95	59.49	59.79	61.38	60.80	25.6	24.5	30.5	32	29	27.2	28.1	32.6	24.1	88	92	68	63	74	87	78.7	.3
26..	59.87	60.16	61.82	58.84	59.37	60.73	60.13	25.5	24.3	31	32.3	28.9	27.5	28.2	32.8	24.2	89	95	67	62	75	81	78.2	....
27..	59.12	59.71	59.93	57.59	58.38	59.31	59.01	25	23.8	30.8	32	29	27.8	28.1	33	23.7	95	96	65	64	78	81	79.8	....
28..	58.28	59.18	59.71	57.81	58.49	59.38	58.81	24.6	25.5	31.7	32.5	28.6	26.5	28.2	33	24	95	86	59	60	80	90	78.3	....
29..	58.70	59.77	60.43	58.51	59.21	60.33	59.49	24	23.7	31.5	31.7	28.8	27.2	27.8	32.8	23.6	96	96	60	64	78	89	80.5	....
30..	59.57	60.16	60.90	58.99	58.91	60	59.76	25	24.2	31.5	31.8	28.3	27.5	28	32.7	23.8	93	95	60	64	75	79	77.7	....
Mean	59.65	60.20	61	58.98	59.38	60.73	59.99	25.1	24.3	30.7	31.5	28.3	26.9	27.8	32.4	23.9	92.1	94.2	66.9	65.1	78.9	85.6	80.5	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	8.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	Km.	Km.	Km.	Km.	0–10			0–10		
1..	Calm	Calm	ENE	ENE	Calm	Calm	5.1	33.3	34.8	10.2	83.4	1	Ci.	Cu.	4	Ci.	Cu. ENE
2..	Calm	Calm	ENE	ENE	Calm	Calm	8.9	30.3	45.1	6.7	91	2	Ci.	Cu.	8	Ci.	Cu.
3..	Calm	Calm	ENE	ENE	ENE	Calm	9.5	36.7	55.7	17.2	119.1	7	Ci.-S.	Cu.	2	Ci.	Cu.
4..	Calm	Calm	ENE	ENE	ENE	Calm	6.6	39.7	51.5	17.4	115.2	3	Ci.	Cu.	3	Ci.	Cu.
5..	Calm	Calm	ENE	ENE	Calm	Calm	8.7	33.3	42	22	106	3	Ci.	Cu.	3	Ci.	Cu.
6..	Calm	Calm	ENE	ENE	ENE	ENE	10	37.8	48.6	35.4	131.8	2	Ci.	Cu.	3	Ci.	Cu.
7..	Calm	Calm	ENE	ENE	ENE	ENE	8.2	43.3	54.4	34.3	140.2	6	Ci.	Cu. ENE	2	Ci.	Cu.
8..	Calm	Calm	ENE	ENE	ENE	ENE	22.8	37.6	49.3	34.3	144	3	Ci.	Cu. E	7	Ci.	Cu. E
9..	Calm	Calm	ENE	ENE	ENE	ENE	16.9	40.5	54.7	27.2	139.3	10	Ci.-S.	Cu. E	4	Ci.	Cu. E
10..	Calm	Calm	ENE	ENE	Calm	Calm	14.2	39.7	36.8	11.1	101.8	4	Ci.	Cu. E	7	Ci.-S.	Cu.
11..	Calm	Calm	ENE	Calm	Calm	Calm	8	29	19.3	5.9	62.2	7	Ci.	Cu.	10	Ci.-S.	Cu.
12..	Calm	Calm	ENE	ENE	ENE	Calm	12.9	41.6	63.1	22.7	140.3	2	Ci.	Cu.	2	Ci.	Cu. E
13..	Calm	Calm	ENE	ENE	ENE	Calm	6.9	41.8	61	31.7	141.4	2	Ci.	Cu.	2	Ci.	Cu.
14..	Calm	Calm	ENE	ENE	ENE	ENE	5.9	40.8	56.1	33.5	136.3	3	Ci.	Cu. E	3	Ci.	Cu. E
15..	Calm	Calm	ENE	ENE	Calm	ENE	11.3	44	55.8	34.9	146	2	Ci.	Cu.	3	Ci.	Cu.
16..	Calm	Calm	ENE	ENE	ENE	Calm	8.7	39.7	59.3	25.1	132.8	3	Ci.	Cu.	2	Ci.	Cu.
17..	Calm	Calm	ENE	ENE	ENE	Calm	8.9	39.4	52.8	20.4	121.5	3	Ci.	Cu.	6	Ci.	Cu.
18..	Calm	Calm	ENE	ENE	Calm	Calm	8	39.4	67	35.6	150	5	Ci.	Cu. E	3	Ci.	Cu. E
19..	Calm	Calm	ENE	ENE	ENE	ENE	11.6	51.7	59.8	34	157.1	5	Ci.	Cu. E	3	Ci.	Cu. E
20..	ENE	ENE	ENE	ENE	ENE	ENE	30.8	57.3	56.3	38.1	182.5	4	Ci.	Cu. E	6	Ci.	Cu. E
21..	Calm	Calm	ENE	ENE	ENE	Calm	15.3	45.4	57.7	29.3	147.7	3	Ci.	Cu.	2	Ci.	Cu.
22..	Calm	Calm	ENE	ENE	ENE	Calm	6.6	41	56.1	36.2	139.9	3	Ci.	Cu.	2	Ci.	Cu.
23..	Calm	Calm	ENE	ENE	ENE	ENE	19.3	41.6	60.4	30.3	151.6	3	Ci.	Cu. E	3	Ci.	Cu.
24..	Calm	Calm	ENE	ENE	ENE	ENE	10.7	43.1	58.2	32	144	3	Ci.	Cu. ENE	2	Ci.	Cu. ENE
25..	Calm	Calm	ENE	ENE	ENE	Calm	13.2	42.8	58.5	23.6	138.1	8	Ci.	S.-Cu. ENE	4	Ci.	Cu. ENE
26..	Calm	Calm	ENE	ENE	ENE	Calm	7.7	44.9	56.1	25.4	134.1	3	Ci.	Cu. E	3	Ci.	Cu. E
27..	Calm	Calm	ENE	ENE	ENE	ENE	4.5	44.9	56.1	29	134.5	1	Ci.	Cu.	2	Ci.	Cu. ENE
28..	Calm	Calm	ENE	ENE	Calm	Calm	4.6	52.3	55.3	17.5	129.7	2	Ci.	Cu.	2	Ci.	Cu.
29..	Calm	Calm	ENE	ENE	ENE	Calm	6.6	40.4	62.8	21.2	131	2	Ci.	Cu.	2	Ci.	Cu.
30..	Calm	Calm	ENE	ENE	ENE	ENE	4.2	46.7	65.2	38.6	154.7	2	Ci.	Cu.	2	Ci.	Cu. E
Mean	......	......	......	......	......	......	10.6	41.3	53.7	26	131.6	3.6	....	....	3.6	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	3,947.2	....	....	....	....	....	....

PARACALE

[ϕ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.28 meters; gravity correction not applied, —1.73 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.53	60.21	60.28	58.51	58.79	60.17	59.58	25.4	23.7	32	32	28.7	27.6	28.2	32.8	23.5	90	95	57	60	78	87	77.8	......
2..	59.51	60.48	60.53	58.64	58.81	60.71	59.78	24.7	24	31.5	32.5	29	27.8	28.2	33.2	24	94	96	66	63	79	86	80.7	......
3..	59.90	60.01	60.82	59.30	59.55	60.73	60.05	25.6	26.5	31.5	32.5	28.3	28	28.7	33.3	25	95	86	64	60	....	....	76.2	2.8
4..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
5..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
6..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
7..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
8..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
9..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
10..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
11..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	[a]7.1?
12..	57.63	58.21	58.98	57.16	57.24	58.68	57.98	25.2	25	32	33.2	29.6	27.2	28.7	33.8	24.5	95	96	66	58	77	89	80.2	......
13..	58.06	58.35	59.01	57.04	57.31	59.06	58.14	26.5	25.8	32.3	33.2	29.5	28.2	29.2	33.6	25.7	88	90	66	64	78	87	78.8	......
14..	58.07	58.21	58.10	57.29	56.93	58.60	57.87	26.3	26.2	32	26.8	26.8	25.5	27.3	34	24.9	96	96	69	86	90	96	88.8	.5
15..	57.28	57.30	57.81	56.41	56.49	57.95	57.21	24.1	24	33	32.6	27	25.3	27.7	34.2	23.5	95	94	63	66	90	93	83.5	......
16..	56.79	56.88	57.76	56.32	56.23	58.37	57.06	24.8	24.8	31.6	27.8	28.5	25.7	27.2	33.6	24.6	93	93	72	90	86	94	88	21.1
17..	56.93	57.15	57.81	55.57	56.04	58.02	56.92	25	24.8	30	32.8	30.5	26.8	28.3	33.2	24.5	96	96	75	68	75	90	83.3	......
18..	56.30	56.91	57.25	55.34	55.96	57.51	56.54	25.6	25	32.8	32.2	30	27.4	28.8	34.2	24.8	95	96	64	71	73	93	82	.5
19..	57.18	57.79	58.06	55.96	57.15	58.56	57.45	25.8	25.7	32.6	30	29.2	27.2	28.4	34.5	25.1	93	94	66	75	88	96	85.3	10.9
20..	57.71	58.20	59.07	57.29	57.81	59.50	58.26	26.4	25.5	28.8	31.3	29.7	26.7	28.1	33	25.3	95	94	80	71	79	96	85.8	3.3
21..	58.78	59.27	59.51	57.69	57.99	60	58.87	26	25.3	32.7	33	30	27.5	29.1	34.1	25.2	96	96	66	67	79	92	82.7	......
22..	59.27	58.79	59.39	57.56	58.09	59.35	58.74	26	25.4	31.5	32.5	29.8	26.1	28.6	33.4	25	94	96	72	66	78	91	82.8	......
23..	58.03	58.93	59.37	57.34	58.06	59.22	58.49	24.8	24	31.7	32.8	30	26.5	28.3	33.5	23.8	93	96	71	68	75	92	82.5	......
24..	58.35	58.58	59.24	57.33	57.88	59.11	58.42	25.2	24.5	32.3	33.5	31	27.5	29	34.4	24	94	96	67	58	67	87	78.2	......
25..	57.86	58.54	59.15	58	58.31	58.65	58.42	26.3	26.5	32	28.8	28	25.8	27.9	33.5	25.4	94	92	70	84	88	95	87.2	3.6
26..	57.73	57.91	58.27	56.61	56.91	58.28	57.62	25.3	25.7	33	29.7	29.1	27	28.3	34	25	94	95	68	85	88	94	87.3	4
27..	56.83	56.75	57.35	55.21	55.78	57.64	56.59	26	26.3	32.2	31	27.2	24.8	27.9	32.8	24.6	96	95	68	75	90	95	86.5	11.7
28..	56.56	56.68	57.51	56	56.17	58.15	56.84	24.5	25	31.8	25.5	27.5	26	26.7	32.7	24.5	96	96	70	96	92	96	91	46.5
29..	56.55	56.96	57.86	56.22	56.48	58.78	57.14	25.1	24.8	31.4	31.1	29.1	27	28.1	32.9	24.5	96	97	72	73	81	92	85.2	......
30..	57.38	57.71	58.54	56.69	56.95	58.73	57.67	25.4	25.8	30	31.5	29.6	28.8	28.5	33.2	25.1	95	93	75	69	78	83	82.2	6.1
31..	58.53	58.65	59.85	58.36	57.76	59.43	58.76	26.2	25.7	29	30	28.5	26.3	27.6	30.5	25.5	95	97	81	79	86	94	88.7	......
Mean	57.86	58.19	58.76	57.04	57.33	58.92	58.02	25.5	25.2	31.6	31.1	29	26.8	28.2	33.4	24.7	94.3	94.6	69	71.8	81.6	91.7	83.7	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	118.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	ENE	ENE	ENE	Calm	4.6	44.3	58.9	25.4	133.2	2	Ci.	Cu.	1	Ci.	Cu.
2..	Calm	Calm	ENE	ENE	ENE	ENE	8	46.4	63.8	31.1	149.3	5	Ci.	Cu. ENE	6	Ci.	Cu.
3..	Calm	Calm	ENE	ENE	ENE	ENE	11.9	57.7	67	60	196.6	2	Ci.	Cu. E	4	Ci.	Cu. E
4..	......	......	......	......	......	......	27.2	54.9	57.9	40.7	180.7	....	....	....	....	....	....
5..	......	......	......	......	......	......	18.7	48.1	58.7	45.7	171.2	....	....	....	....	....	....
6..	......	......	......	......	......	......	32.2	56	60.4	36.2	184.8	....	....	....	....	....	....
7..	......	......	......	......	......	......	21.7	49.6	55.2	....	......	....	....	....	....	....	....
8..	......	......	......	......	......	......	....	....	[b]25.4	33.2	......	....	....	....	....	....	....
9..	......	......	......	......	......	......	16.3	47.7	61.8	36.5	162.3	....	....	....	....	....	....
10..	......	......	......	......	......	......	13.9	48.5	54.4	20.3	137.1	....	....	....	....	....	....
11..	......	......	......	......	......	......	7.7	32.4	34.8	10.5	85.4	....	....	....	....	....	....
12..	Calm	Calm	ENE	ENE	ENE	Calm	8.3	29.8	40.7	11.5	90.3	2	Ci.	Cu.	4	Ci.	Cu.
13..	Calm	Calm	ENE	ENE	Calm	Calm	11.3	33.6	48.5	15.6	109	2	Ci.	Cu.	7	Ci.	Cu.
14..	Calm	Calm	ENE	Calm	Calm	Calm	8.7	42.3	25.7	10.8	87.5	3	Ci.	Cu.	10	Ci.-S.	Cu.
15..	Calm	Calm	Calm	ENE	Calm	Calm	9.2	32.2	40.7	13.4	95.5	2	Ci.	Cu.	6	Ci.	Cu.
16..	Calm	Calm	ENE	Calm	Calm	Calm	10.7	27.7	17.2	7.5	63.1	2	Ci.	Cu.	10	Ci.-S.	Cu.
17..	Calm	Calm	ENE	ENE	Calm	Calm	10.7	25.5	34	13.1	83.3	10	Ci.-S.	Cu.	4	Ci.-S.	Cu.
18..	Calm	Calm	ENE	ENE	ENE	Calm	7.8	22.3	30.9	11.9	72.9	2	Ci.	Cu.	4	Ci.	Cu.
19..	Calm	Calm	ENE	Calm	Calm	Calm	6.9	19.3	28.8	5.4	60.4	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
20..	Calm	Calm	Calm	ENE	Calm	Calm	12.1	17.9	36.2	8.3	74.5	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu. SW
21..	Calm	Calm	ENE	ENE	Calm	Calm	5.4	25.7	38.4	8.9	78.4	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
22..	Calm	Calm	ENE	ENE	Calm	Calm	8	27.6	44.5	6.4	86.5	2	Ci.	Cu.	5	Ci.	Cu.
23..	Calm	Calm	ENE	ENE	Calm	Calm	8.3	32.5	42.8	9.9	93.5	4	Ci.	Cu.	4	Ci.	Cu.
24..	Calm	Calm	ENE	ENE	Calm	Calm	10.3	34.4	[c]19.1	....	......	1	Ci.	Cu.	4	Ci.	Cu. ENE
25..	Calm	Calm	Calm	Calm	Calm	Calm	....	....	[b]7.5	7.5	......	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
26..	Calm	Calm	ENE	Calm	Calm	Calm	5.8	28.5	23.9?	....	......	7	Ci.	Cu.	10	....	N.
27..	Calm	Calm	Calm	Calm	Calm	Calm	....	....	....	....	......	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
28..	Calm	Calm	Calm	Calm	Calm	Calm	....	....	15	4.8	......	5	Ci.	Cu.	10	Ci.-S.	Cu.
29..	Calm	Calm	ENE	ENE	Calm	Calm	5.6	31.1	35.6	6.1	78.4	2	Ci.	Cu.	10	Ci.-S.	Cu.
30..	Calm	Calm	E	E	E	Calm	2.4	28.8	47.8	28.4	107.4	4	Ci.	Cu.	6	Ci.	Cu. E
31..	Calm	Calm	Calm	Calm	Calm	Calm	5.4	14.7	23.6	5.3	49	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
Mean	......	......	......	......	......	......	11.1	35.5	40	19.1	109.6	5.1	....	....	7.2	....	....

NOTE.—This station was temporarily closed from May 4 to 11.

[a] Amount of rainfall for the 4th to 11th.

[b] 3 hours missing.

[c] 4 hours missing.

PARACALE

[ϕ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.28 meters; gravity correction not applied, —1.73 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.93	59.31	60.06	58.16	58.22	58.98	58.94	25	25.5	31.5	32	29.8	28.5	28.7	32.6	24.4	97	91	73	65	77	82	80.8	0.3
2..	58.11	58.15	58.53	56.91	57.15	58.41	57.88	26.2	25.5	29.8	32	29.5	27.7	28.4	32.7	25	92	96	79	67	78	84	82.7	6.1
3..	57.38	57.56	57.93	56.35	56.87	58.18	57.38	25.3	24.6	31.5	32	29.3	26.5	28.2	32.8	24.3	94	97	65	64	74	90	80.7	....
4..	57	57.33	57.81	56.46	56.74	58.06	57.23	24.8	24.2	31.7	32.3	29.8	27.2	28.3	33.2	24	95	96	66	62	71	90	80	....
5..	57.60	58.26	58.80	57.24	57.80	59.22	58.15	25.4	24.6	32	33.1	30	27.8	28.8	33.6	24.4	94	95	66	64	75	88	80.3	....
6..	58.70	59.22	59.31	58.04	58.34	60.06	58.94	25.8	25.5	31.7	33	30.3	28	29	33.4	25.2	95	96	68	65	75	89	81.3	10.2
7..	59.30	59.61	59.71	57.89	58.49	59.29	59.05	25.7	25.4	31.4	32.2	30	28.2	28.8	32.9	25.1	96	97	70	68	76	87	82.3	4.5
8..	58.36	58.55	59.05	57.87	57.08	57.15	58.01	26	25.5	25.5	28	26.5	26.1	26.3	29.6	24.8	95	96	95	85	93	95	93.2	39.4
9..	55.43	54.85	54.33	51.65	52.10	54.46	53.80	27.2	25.8	28.6	27.3	25.7	26.9	26.9	30.5	25.2	87	96	80	84	87	77	85.2	7.4
10..	54.10	54.18	55.20	54.90	54.50	55.63	54.75	25.4	24.7	27.5	26.6	25.7	24.8	25.8	28.4	24.5	90	97	88	87	88	95	90.8	9.9
11..	55.45	55.58	56.11	55.02	54.95	56.71	55.64	25.7	26	30	28.8	26	25.2	27	30	25	94	92	72	80	94	96	88	5.9
12..	55.68	55.70	56.33	54.95	55.33	57.32	55.88	25.5	25.1	29.4	30.3	26.2	27.3	27.3	30.5	24.6	96	98	75	76	89	82	86	.5
13..	56.60	56.68	57.37	56.18	56.04	57.43	56.72	26.5	25	31	30.8	29.8	27.7	28.5	33	24.6	85	94	70	69	73	81	78.7	....
14..	56.68	56.98	56.63	55.61	55.96	57.72	56.60	26.2	25	31.5	33	29.5	27.7	28.8	33.4	24.9	89	96	65	60	70	81	76.8	....
15..	57.17	57.21	57.26	55.98	56.28	58.28	57.03	27	26.8	31.6	33.5	30.8	28	29.6	34.1	26.5	84	84	67	61	74	87	76.2	....
16..	57.39	57.70	58.68	56.96	57.60	58.41	57.79	26.2	25.5	31.5	32.7	27.3	26.4	28.3	34.4	25	95	96	67	70	90	92	85	2.6
17..	58	58.29	58.73	56.90	57.04	58.08	57.84	24.8	24.6	32.8	34.7	29.3	26.8	28.8	35.2	24.4	97	97	65	56	77	94	81	....
18..	57.54	57.55	57.71	56.31	57.13	57.53	57.30	25.3	25	31.5	29.7	25.7	25	27	32.6	24.1	94	98	71	84	90	96	88.8	21.1
19..	56.35	56.85	57.24	55.71	56.14	57.48	56.63	24.2	24.3	31	32.2	29.9	26.5	28	32.9	23.7	96	96	72	62	81	96	83.8	7.1
20..	56.59	57.28	57.65	56.13	56.83	57.92	57.07	25.2	25	27.8	31.6	29	26.3	27.5	31.8	24.8	96	96	88	72	78	90	86.7	.6
21..	57.45	57.86	58.46	56.95	57.18	59.35	57.88	25.3	25.5	31.3	31.5	30	26.4	28.3	33.4	24.7	93	92	68	73	82	90	83	....
22..	58.48	58.80	58.35	57.28	57.49	58.71	58.18	25	25	31.8	32.3	30.8	27.3	28.7	33.6	24.8	96	96	64	71	73	87	81.2	....
23..	57.27	57.75	58.05	56.45	57.37	58.66	57.59	26.7	26.1	32	34	31.5	27.4	29.6	34.4	25.8	88	89	64	58	73	87	76.5	....
24..	57.51	57.57	57.86	56.17	56.74	57.92	57.30	26.3	26.3	32.5	34.3	27.5	24.8	28.6	35.2	24.6	90	87	66	63	86	94	81	1.3
25..	56.71	57.23	56.71	54.79	54.59	56.13	56.03	25	25	32.2	32.7	29.5	27.2	28.6	33.7	24.8	96	96	70	68	78	88	82.7	10.4
26..	55.22	55.55	55.89	54.43	54.84	56.49	55.40	26.1	25.3	28	25.9	25.8	25.6	26.1	30	24.9	94	98	88	91	89	92	92	4
27..	56.35	57.08	57.15	56.40	56.61	58.98	57.10	24.6	25.5	30	31.7	30	26	28	33.2	24.5	95	92	75	65	66	88	80.2	1.5
28..	58.60	58.79	59.43	58.10	58.51	59.97	58.90	24.5	24.3	31.5	32.2	30	26.7	28.2	33.5	24	96	97	70	66	76	92	82.8	....
29..	59.41	59.69	59.94	58.02	57.66	58.78	58.92	25.1	24.8	29.3	30.7	29	26	27.5	32.2	24.5	96	95	78	74	76	94	85.5	18
30..	57.30	57.33	57.68	55.84	55.19	55.45	56.46	25.2	25.1	26.8	28.3	25.1	25.6	26	31.7	24.8	95	96	92	84	96	96	93.2	52.5
Mean	57.22	57.48	57.80	56.32	56.56	57.89	57.21	25.6	25.2	30.5	31.3	28.6	26.7	28	32.6	24.7	93.3	94.7	73.2	70.5	80.2	89.3	83.5	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	203.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	ENE	ENE	Calm	Calm	5.1	34.1	54.1	23.1	116.4	4	Ci.	Cu.	4	Ci.	Cu.
2..	Calm	Calm	Calm	ENE	Calm	Calm	12.7	25.4	52.1	10.5	100.7	4	Ci.	Cu.	6	Ci.	Cu.
3..	Calm	Calm	ENE	ENE	ENE	Calm	5.3	32.8	47.3	8.9	94.3	2	Ci.	Cu.	3	Ci.	Cu.
4..	Calm	Calm	ENE	ENE	ENE	Calm	7.7	31.6	42	9.5	90.8	2	Ci.	Cu.	3	Ci.	Cu.
5..	Calm	Calm	ENE	ENE	Calm	Calm	6.7	28.7	43.7	8.7	87.8	2	Ci.	Cu.	3	Ci.	Cu.
6..	Calm	Calm	ENE	ENE	ENE	Calm	7.5	30.6	52	17.9	108	2	Ci.	Cu.	6	Ci.	Cu.
7..	Calm	Calm	ENE	ENE	ENE	Calm	10.3	31.9	49.1	24.9	116.2	2	Ci.	Cu.	2	Ci.	Cu. E
8..	Calm	Calm	Calm	Calm	Calm	Calm	13.4	14.5	17.2	17.1	62.2	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
9..	ENE	ENE	ENE	ENE	ENE	ESE	49.9	91.7	127.4	62.3	331.3	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	S.-Cu. ENE
10..	Calm	Calm	Calm	S	Calm	Calm	24.4	17.5	40	10.7	92.6	10	Ci.-S.	Cu.	10	....	N. S
11..	Calm	Calm	Calm	SSW	Calm	Calm	21.1	36.4	24.7	6.7	88.9	10	Ci.-S.	Cu. S	10	....	N. SSW
12..	Calm	Calm	S	Calm	Calm	S	10.8	19	30	21.2	81	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
13..	S	Calm	S	S	Calm	Calm	10.5	35.6	41.2	18.8	106.1	2	Ci.	Cu.	4	Ci.	Cu. S
14..	Calm	Calm	S	S	Calm	Calm	6.9	39.7	58.4	15	120	2	Ci.	Cu.	4	Ci.	Cu. S
15..	S	S	S	S	Calm	Calm	18.7	41.5	39.7	15.9	115.8	3	Ci.	Cu.	7	Ci.	Cu. SSW
16..	Calm	Calm	S	WSW	Calm	Calm	5	30.9	27.1	10.2	73.2	2	Ci.	Cu.	4	Ci.	Cu. WSW
17..	Calm	Calm	Calm	Calm	Calm	Calm	3	27.1	25.7	9.1	64.9	1	Ci.	Cu.	3	Ci.	Cu.
18..	Calm	Calm	Calm	Calm	SW	Calm	3	21.1	23.5	7	54.6	1	Ci.	Cu.	5	Ci.	Cu. WSW
19..	Calm	Calm	Calm	Calm	Calm	Calm	7.5	22	22.2	3.8	55.5	1	Ci.	Cu.	4	Ci.	Cu.
20..	Calm	Calm	Calm	WSW	Calm	Calm	6.7	10.7	21.2	7.7	46.3	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
21..	Calm	Calm	SW	SW	Calm	Calm	10	23.9	32.8	8.3	75	2	Ci.	Cu.	5	Ci.	Cu. SW
22..	Calm	Calm	SW	SW	Calm	Calm	2.4	24.1	30.3	7.8	64.6	2	Ci.	Cu.	10	Ci.-S.	Cu. SW
23..	Calm	Calm	SW	SW	Calm	Calm	15.3	34.6	44.9	8.9	103.7	6	A.-Cu.	Cu.	4	Ci.	Cu. SW
24..	Calm	Calm	SW	SW	Calm	Calm	14.5	26.2	34.9	9.4	85	4	Ci.	Cu.	5	Ci.	Cu. SW
25..	Calm	Calm	Calm	WSW	Calm	Calm	8.9	22.7	33.6	12.7	77.9	5	Ci.	Cu.	7	Ci.	Cu. WSW
26..	Calm	Calm	Calm	S	S	Calm	13.1	15.3	38.8	13.1	80.3	10	....	N.	10	....	N.
27..	Calm	Calm	Calm	S	Calm	Calm	2.9	24.1	34.8	5.4	67.2	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. S
28..	Calm	Calm	ENE	ENE	Calm	Calm	3.5	24.7	36	7.8	72	2	Ci.	Cu.	4	Ci.	Cu. S
29..	Calm	Calm	NNE	NNE	Calm	Calm	6.1	17.2	30.3	6.7	60.3	5	Ci.	Cu. NE	7	Ci.	Cu. NNE
30..	Calm	Calm	W	Calm	Calm	Calm	9.2	21.5	20.9	11	62.6	5	Ci.	Cu. N	10	Ci.-S.	S.-Cu. N
Mean	......	......	......	......	......	......	10.7	28.6	39.2	13.3	91.8	4.7	....	....	6.3	....	....
Total	......	......	......	......	......	......	......	......	......	......	2,755.2	....	....	....	....	....	....

PARACALE

[ϕ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.28 meters; gravity correction not applied, —1.73 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	54.35	54.36	54.12	52.31	53.55	53.50	53.70	25	24.5	25.2	26.2	26	25.6	25.4	26.7	23.9	96	96	92	93	96	98	95.2	51.2
2..	53.01	53.91	54.36	54.07	55.33	57	54.61	25	24.6	26.1	27.3	25.4	24.5	25.5	27.8	23.8	96	97	91	81	77	87	88.2	8.1
3..	57.52	58.41	59.83	59.15	59.61	61.25	59.30	25.7	24	25	25.3	25.8	24.5	25	28.3	23.8	86	93	96	93	87	92	91.2	46.2
4..	60.03	60.70	60.13	59.35	60.31	60.66	60.20	24	23.5	30	30.7	26.8	24.8	26.6	32.1	23.2	94	96	69	72	86	93	85	......
5..	59.47	59.73	60.31	59.45	58.89	60.28	59.69	23.8	23.5	30	29.7	28.2	25.5	26.8	31.4	23.3	95	96	73	77	87	96	87.3	......
6..	59.35	59.39	59.39	58.54	59.12	60.38	59.36	24.7	24.5	29.5	29.6	28	25.5	27	30.4	24.2	96	96	75	75	83	96	86.8	......
7..	59.46	59.98	60.89	59.67	60.41	61.04	60.24	24.8	24.1	29.4	28.5	29	26	27	31.9	24	96	97	72	83	78	94	86.7	.3
8..	59.90	60.28	61.22	59.77	59.49	60.92	60.26	24.3	23.8	30.5	31.3	29	26.6	27.6	32.2	23.3	96	97	72	68	78	91	83.7	......
9..	59.23	59.65	60.20	58.41	58.66	59.61	59.29	25.2	24.1	31	32.2	29.3	26	28	32.5	24	95	97	72	68	76	93	83.5	......
10..	58.20	58.76	59.27	57.45	58.04	58.97	58.45	24.6	24.2	30.6	32.1	29.8	26.5	28	33.2	24	95	96	72	67	76	92	83	......
11..	58.20	58.28	59.26	57.66	58.48	59.78	58.61	25.1	24.6	31.2	30	29	26.4	27.7	32.7	24.4	94	96	71	77	85	94	86.2	......
12..	59.36	59.79	59.96	58.73	58.87	59.93	59.44	24.7	24.5	31	32.3	30	26.8	28.2	33.4	24.3	96	96	71	68	75	90	82.7	......
13..	59.05	59.21	59.93	58.40	58.48	59.47	59.09	25.1	24.6	31.6	33	29.8	26.2	28.4	33.6	24.6	95	96	68	65	79	91	82.3	......
14..	58.68	59.09	59.67	57.86	57.93	59.26	58.75	24.6	24	31.5	32.5	29.5	26	28	33.4	23.9	95	96	71	60	73	92	81.2	......
15..	57.84	58.29	58.06	56.80	56.76	58.33	57.68	24.4	24	31.7	33.2	28.7	25.7	28	33.8	23.8	93	96	65	61	78	92	80.8	......
16..	57.71	57.86	57.88	56.48	56.98	58.53	57.57	24.7	24.3	31.6	33.5	28.6	26.2	28.2	34.3	24	94	96	63	61	83	94	81.8	......
17..	57.79	58.20	58.73	57.20	58.01	59.16	58.18	24.8	24	31.3	32.8	29	25.7	27.9	33.9	23.8	95	96	73	65	78	92	83.2	......
18..	58	58.11	58.43	57.39	57.26	58.38	57.93	24	23.7	30.8	31.6	29.3	25.5	27.5	32.8	23.5	95	94	69	66	79	92	82.5	.3
19..	57.49	57.59	58.33	56.59	56.14	57.55	57.28	24.5	24.4	28.2	28	28	25.6	26.4	30.5	24	96	97	76	79	83	95	87.7	4.6
20..	56.40	56.97	57.55	56.64	57.02	57.16	56.96	23.6	24.2	27	28.5	26.2	25.2	25.8	30	23.5	97	96	85	81	94	98	91.8	14.2
21..	55.93	56.40	56.79	55.62	55.94	57.75	56.40	24	23.6	30	29.5	27.5	25.1	26.6	32.5	23.5	97	97	75	84	84	96	88.8	39.3
22..	56.19	56.25	57.05	55.48	55.81	57.66	56.41	24.1	24.1	29.1	30.1	27.5	24.5	26.6	31.6	23.9	97	97	81	75	88	94	88.7	16.2
23..	56.04	56.25	56.88	55.08	55.52	55.89	55.94	24.3	24	25.7	29	26.3	25.1	25.7	29.2	23.9	94	96	91	74	90	95	90	1.8
24..	55.31	55.54	56.19	54.91	55.28	56.86	55.68	24.7	24.7	29.2	29.5	26.2	24.6	26.5	31.4	24.3	97	96	76	79	90	95	88.8	4.1
25..	55.97	56.31	56.97	55.62	55.73	57.27	56.31	24.3	25	29.2	30.7	28.3	26.1	27.3	31.6	24.2	96	96	80	72	80	94	86.3	......
26..	56.30	56.20	56.13	53.87	53.95	55.28	55.29	25	24.5	29.5	31	29	26.5	27.6	31.2	24.5	96	97	81	73	81	94	87	......
27..	53.83	53.01	53.53	52.98	53.31	53.73	53.40	25.6	25.2	31.2	26.7	28	25.7	27.1	32	25	95	96	69	86	83	86	85.8	19.5
28..	53.26	53.33	54.04	54.04	53.38	54.36	53.74	25.3	24.5	27.7	27	26.2	25.5	26	28.4	24.2	89	96	91	92	96	96	93.3	9.1
29..	53.77	53.12	53.40	52.65	52.62	54.07	53.27	25.4	24.8	26	25.6	24.8	25	25.3	26.3	24.2	96	96	89	93	96	96	94.3	29.5
30..	52.70	52.21	52.45	51.49	51.79	53.48	52.35	24.2	25	30.3	31	27.5	25.8	27.3	32.4	24	96	96	76	72	88	95	87.2	7.9
31..	52.65	52.75	53.29	51.84	52.87	54.33	52.96	25.2	25.5	31	33.6	28	26.4	28.3	34.2	24.7	95	92	75	61	89	94	84.3	2.5
Mean	56.87	57.09	57.56	56.31	56.63	57.80	57.04	24.7	24.3	29.4	30.1	27.9	25.6	27	31.5	24	94.9	96	76.8	74.9	83.7	93.5	86.6	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	254.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	Calm	Calm	Calm	Calm	15.9	23.1	14.3	16.4	69.7	10	Ci.-S.	Cu.-N. NNW	10	Ci.-S.	Fr.-N.
2..	Calm	Calm	Calm	S	SSW	Calm	15.3	25.9	35.4	15.9	92.5	10	....	Fr.-N.	10	Ci.-S.	Cu.
3..	SSW	SSW	Calm	Calm	Calm	Calm	17.5	15.9	13.2	8.5	55.1	10	....	Fr.-N. SSW	10	....	Fr.-N. SSW
4..	Calm	Calm	ENE	ENE	Calm	Calm	7	21.4	28.5	9.2	66.1	10	Ci.-S.	Cu.	5	Ci.-S.	Cu. ENE
5..	Calm	Calm	ENE	ENE	Calm	Calm	7	25.5	21.5	3	57	2	Ci.	Cu.	10	Ci.-S.	Cu. NE
6..	Calm	Calm	ENE	Calm	Calm	Calm	6.2	19.3	22.7	5.1	53.3	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
7..	Calm	Calm	ENE	Calm	Calm	Calm	9.1	24.9	19	6.7	59.7	4	A.-Cu.	Cu.	10	Ci.-S.	S.-Cu.
8..	Calm	Calm	ENE	ENE	Calm	Calm	6.2	28	40.5	6.9	81.6	2	Ci.	Cu.	2	Ci.	Cu.
9..	Calm	Calm	ENE	ENE	Calm	Calm	4.5	30.6	39.2	5	79.3	3	Ci.	Cu. ENE	6	Ci.	Cu. ENE
10..	Calm	Calm	Calm	NE	Calm	Calm	8.3	26.4	35.2	6.1	76	2	Ci.	Cu.	6	Ci.	Cu. NE
11..	Calm	Calm	ENE	Calm	Calm	Calm	8.7	26.6	19.8	6.1	61.2	2	Ci.	Cu.	6	Ci.	Cu.
12..	Calm	Calm	NE	NE	Calm	Calm	7.4	27.6	35.4	11	81.4	1	Ci.	Cu.	4	Ci.	Cu. NE
13..	Calm	Calm	NE	NE	Calm	Calm	7.4	29.2	39.2	5.8	81.6	2	Ci.	Cu.	4	Ci.	Cu. NE
14..	Calm	Calm	NNE	NNE	Calm	Calm	8	27.7	34.8	8.5	79	3	Ci.	Cu.	3	Ci.	Cu.
15..	Calm	Calm	Calm	ENE	Calm	Calm	6.1	23.8	32.5	8.9	71.3	1	Ci.	Cu.	3	Ci.	Cu.
16..	Calm	Calm	Calm	NE	Calm	Calm	7.8	25.2	29.2	7.4	69.6	2	Ci.	Cu.	5	Ci.	Cu.
17..	Calm	Calm	Calm	ENE	Calm	Calm	6.1	27.1	35.1	9.9	78.2	4	Ci.	Cu.	5	Ci.	Cu.
18..	Calm	Calm	ENE	ENE	Calm	Calm	11.5	26.4	35.4	6.9	80.2	8	Ci.-S.	Cu.	4	Ci.	Cu. ENE
19..	Calm	Calm	Calm	Calm	Calm	Calm	8.3	21.4	15.8	7	52.5	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu.
20..	Calm	Calm	Calm	Calm	Calm	Calm	10.5	21.1	16.6	6.9	55.1	10	....	N. ENE	10	Ci.-S.	S.-Cu. NE
21..	Calm	Calm	ENE	Calm	ENE	Calm	5.3	25.5	33.3	10.7	74.8	2	Ci.	Cu.	10	Ci.-S.	Cu.
22..	Calm	Calm	Calm	ENE	Calm	Calm	5.9	21.9	28.7	16.9	73.4	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	Cu.
23..	Calm	Calm	Calm	ENE	ENE	Calm	8.7	17.1	36.5	13.9	76.2	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
24..	Calm	Calm	Calm	ENE	Calm	Calm	9.4	19.3	31.4	10	70.1	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SSW
25..	Calm	Calm	Calm	SSE	SSE	Calm	9.7	18.3	29.2	6.6	63.8	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
26..	Calm	Calm	Calm	S	Calm	Calm	2.1	17.7	29.6	4.3	53.7	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
27..	Calm	Calm	SW	W	Calm	Calm	5.3	22.3	33.5	13.1	74.2	10	Ci.-S.	Cu.	10	....	N.
28..	Calm	Calm	Calm	Calm	Calm	Calm	14.7	19.5	10	1.8	46	10	....	N.	10	....	N.
29..	Calm	Calm	WSW	Calm	Calm	Calm	3.8	27.7	25.5	24.1	81.1	10	Ci.-S.	Cu.	10	....	N.
30..	Calm	Calm	WSW	WSW	Calm	Calm	25.9	35.2	29.6	4	94.7	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. WSW
31..	Calm	Calm	Calm	WSW	Calm	Calm	5.3	27.2	38.3	10	80.8	10	Ci.-S.	Cu.	7	Ci.	Cu. SW
Mean	......	......	......	......	......	......	8.9	24.2	28.7	8.9	70.6	6.7	....	....	7.7	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	2,189.2	....	....	....	....	....	....

PARACALE

[φ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.28 meters; gravity correction not applied, —1.73 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	53.61	53.48	54.20	53.16	53.82	55.08	53.89	26.8	26.7	31.5	32.8	28.2	26.5	28.8	33.5	25.7	89	86	68	65	85	87	80	0.3
2..	54.43	54.39	55.31	54.38	54.38	55.78	54.78	25.5	25.7	30.5	27.7	27.2	26.5	27.2	32.7	25	94	93	75	88	90	94	89	4.1
3..	54.45	54.48	54.79	53.65	54.82	55.14	54.56	25.8	26	28.6	30	25.5	25.5	26.9	31.7	25.3	96	96	84	78	92	88	89	3.8
4..	54.21	54.68	55.10	53.82	54.39	55.68	54.65	25.5	25.5	28.2	27.3	27	25	26.4	30.3	24.6	89	91	83	85	90	96	89	6.8
5..	54.50	55.01	55.60	54.74	54.34	55	54.86	24.6	24.8	27.5	28.4	26.5	26	26.3	29.8	24.5	95	96	86	85	94	92	91.3	10.2
6..	53.75	53.52	55.18	53.23	53.78	53.07	53.76	24.1	24.5	27.5	29.8	25.5	25.2	26.1	31.3	24	91	91	84	76	93	86	86.8	1.8
7..	52.20	51.82	52.23	50.69	51.13	52.65	51.79	24.8	25	30	28	26	25.2	26.5	31.8	24.7	87	83	76	83	89	90	84.7	21.3
8..	51.75	51.15	51.64	51.15	51.76	53.24	51.78	24.3	26.3	29.5	31.8	27.8	26.6	27.9	32.6	25	89	86	78	69	84	87	82.2	.3
9..	52.18	52.91	53.40	52.46	53.28	53.54	52.96	25.9	25.7	30.2	29.5	27	26.7	27.5	31.2	25.7	89	88	78	81	88	83	84.5	......
10..	52.90	53.14	53.75	52.77	53	53.63	53.20	26	25.8	30	29.3	27.2	26.1	27.4	30.3	25.8	89	91	78	83	83	88	85.3	1.5
11..	52.85	52.79	52.97	51.83	52.36	53.56	52.73	26	26.3	28.5	29	26.5	25.7	27	31	25.5	89	88	83	85	85	88	86.3	1.5
12..	52.11	52.40	53.66	52.72	53.16	54.53	53.10	25.8	25.3	25.5	25.5	26	25.3	25.6	28.2	24.8	88	93	93	93	90	92	91.5	10.7
13..	52.81	53.93	55.44	53.80	54.62	56.28	54.48	24.2	24.5	26.4	29.1	26.8	25.8	26.1	30.2	23.7	95	96	93	78	84	92	89.7	2.1
14..	55.24	55.78	56.05	54.88	55.31	56.81	55.68	25.3	25.5	28	29	27	25.7	26.8	29.2	25	92	92	81	80	88	86	86.5	......
15..	56.13	56.25	56.53	55.56	56.56	57.65	56.45	25.1	25.1	30	31.7	27.5	25.6	27.5	32	24.5	95	95	76	71	84	91	85.3	......
16..	57	57.59	57.69	56.94	57.86	58.98	57.68	24.7	24.1	31.4	32.5	28	26.3	27.8	33.4	23.8	94	96	68	66	85	90	83.2	......
17..	58	58.01	58.07	56.85	57.85	58.52	57.88	24.7	24.6	31.7	32.8	29	27	28.3	33.4	24.2	90	91	68	65	78	82	79	......
18..	57.79	58.13	58.31	56.11	57.15	58.69	57.70	25.8	25	30	32.3	28.8	26.2	28	32.7	24.6	88	92	73	60	83	94	81.7	......
19..	56.80	56.70	57.73	55.67	55.23	55.55	56.28	25.7	25.3	29.8	30.8	28.3	25.2	27.5	32.1	25.2	94	93	75	72	79	92	84.2	35.7
20..	52.50	50.92	51.22	50.52	52.75	55.30	52.20	24.8	24.3	24.5	25.4	26	26.5	25.2	26.8	24	96	89	88	88	96	81	89.7	18.3
21..	55.73	56.23	57.82	56.16	57.12	58.81	56.98	26.3	26.6	31	30.2	28.3	26.3	28.1	31.8	25.6	82	80	72	70	79	90	78.8	......
22..	58.10	58.50	58.67	56.97	57.41	59	58.11	24.6	24	31	30.5	27	25.2	27	33.2	23.5	93	97	69	74	84	90	84.5	......
23..	57.20	57.09	57.47	55.46	55.71	56.87	56.63	25.2	24.8	30.2	32.5	29	27.3	28.2	33	24.5	90	92	68	63	78	82	78.8	......
24..	55.50	55	55.16	53.83	54.03	54.96	54.75	26.3	25.5	30.7	29.8	28	26.6	27.8	32.4	25.2	86	89	74	79	81	86	82.5	.5
25..	53.70	54.01	54.76	54.10	54.21	56.44	54.54	27	27.3	30	27	26.5	26.7	27.4	30.2	25.3	84	82	75	84	90	84	83.2	10.9
26..	55.80	56.40	57.69	57.35	57.20	58.98	57.24	23	24.5	28.5	25.3	25	25.2	25.2	29.1	23	91	92	80	90	94	90	89.5	3.3
27..	58.14	58.42	58.69	57.24	58.28	58.94	58.28	24.2	23.5	27.5	29.4	27	24.7	26	30.1	23.4	95	96	83	76	90	94	89	......
28..	57.07	57.38	57.38	56.05	56.87	57.40	57.02	23.5	22.8	30.5	31.5	27.5	25.3	26.8	32.4	22.5	96	96	71	66	84	92	84.2	.3
29..	56.25	56.23	56.13	53.83	54.24	54.30	55.16	24.9	25.2	27.5	26.5	25	25	25.7	27.8	24.4	95	92	83	90	96	93	91.5	5.4
30..	53	53.02	54.20	52.69	53.79	53.97	53.44	24.6	24.8	28.3	28	25	25.2	26	29.2	24.3	95	89	80	79	92	85	86.7	2.1
31..	53.47	54.21	55.08	53.60	54.55	55.36	54.38	24.8	25	26.7	28	25	25.2	25.8	29.3	24.5	87	88	83	78	88	83	84.5	.8
Mean	54.81	54.95	55.55	54.26	54.87	55.93	55.06	25.2	25.2	29.1	29.4	26.9	25.8	26.9	31.1	24.6	91.1	90.9	78.3	77.4	87	88.6	85.6	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	141.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	SW	SW	Calm	Calm	14.8	37.2	21.5	13.4	86.9	2	Ci.	Cu.	6	Ci.	Cu. SW
2..	Calm	Calm	Calm	SW	Calm	Calm	10.5	21.4	22.3	6.7	60.9	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. SW
3..	Calm	Calm	Calm	SW	SW	Calm	8.7	25.7	29.3	16.3	80	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
4..	Calm	Calm	Calm	SSW	Calm	Calm	22.5	22.3	21.9	9.7	76.4	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
5..	Calm	Calm	Calm	Calm	Calm	Calm	8.2	22.8	13.1	14.7	58.8	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. SW
6..	SSW	SSW	SSW	SSW	SSW	SSW	33.3	38.9	38.3	42.4	152.9	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
7..	SSW	SSW	SSW	SSW	Calm	SW	41.2	39.9	35.2	35.2	151.5	10	Ci.-S.	Cu. SSW	10	Ci.-S.	Cu.
8..	Calm	SW	SW	SW	Calm	Calm	32.5	46.2	42	28.2	148.9	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
9..	Calm	Calm	SW	SW	Calm	SW	32.4	40	37.2	27.6	137.2	10	Ci.-S.	Cu. SW	10	Ci.-S.	Cu. SW
10..	Calm	SW	WSW	WSW	SW	SW	30.4	36.2	34	33	133.6	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
11..	SW	Calm	SW	Calm	WSW	Calm	24.3	34.8	34.9	30	124	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
12..	SW	Calm	Calm	Calm	Calm	SW	29.6	28.4	24.6	26.9	109.5	10	Ci.-S.	Cu. WSW	10	Ci.-S.	S.-Cu. SW
13..	SW	Calm	SW	SW	Calm	Calm	31.7	33.8	42.1	15.1	122.7	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	Cu. SW
14..	Calm	Calm	SW	SW	Calm	SW	24.3	33.3	31.6	22	111.2	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
15..	Calm	Calm	SW	SW	Calm	Calm	6.7	27.1	31.4	8.7	73.9	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
16..	Calm	Calm	Calm	SW	Calm	Calm	4	27.1	35.2	10.7	77	2	Ci.	Cu.	6	Ci.	Cu. SW
17..	Calm	Calm	SW	Calm	Calm	Calm	5.8	42.8	37.5	11.9	98	10	Ci.	Cu.	10	Ci.-S.	Cu. WSW
18..	Calm	Calm	WSW	WSW	Calm	Calm	6.4	30.1	39.1	6.6	82.2	3	Ci.	Cu.	3	Ci.	Cu.
19..	Calm	Calm	WNW	WNW	WNW	W	6.2	34.9	50.2	47.8	139.1	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. WNW
20..	W	WSW	SSW	SSW	SW	SW	61.2	64.7	65.8	46.7	238.4	10	....	N.	10	....	Fr.-N. ssw
21..	Calm	Calm	SW	SW	Calm	Calm	23.6	36	33.5	14.7	107.8	10	Ci.-S.	Cu. SW	10	Ci.-S.	Cu. SW
22..	Calm	Calm	SW	SW	Calm	Calm	4.2	21.1	31.6	12.3	69.2	2	Ci.	Cu.	6	A.-Cu.	Cu.
23..	Calm	Calm	WSW	WSW	Calm	Calm	7.7	47.3	51.3	19.3	125.6	6	Ci.	Cu.	7	Ci.	Cu. WSW
24..	Calm	Calm	SW	SW	Calm	Calm	12.4?	34.6	41.5	27.1	115.6	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
25..	SW	SW	SW	SW	Calm	SW	35.9	44.5	31.1	21.4	132.9	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. SW
26..	SW	Calm	SW	Calm	Calm	SW	25.1	30.8	19.5	11	86.4	10	Ci.-S.	Cu.	10	....	S.-Cu.
27..	Calm	Calm	Calm	SW	Calm	Calm	5.9	9.9	19.3	2.7	37.8	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
28..	Calm	Calm	WSW	WSW	Calm	Calm	2.4	25.9	34.8	11.8	74.9	10	Ci.-S.	Cu.	4	Ci.	Cu.
29..	Calm	Calm	WSW	Calm	Calm	Calm	11.1	23.3	18.5	25.7	78.6	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	Fr.-N.
30..	Calm	Calm	SW	SW	SW	SW	26.8	38	49.9	53.9	168.6	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
31..	SW	SW	SW	SW	SW	Calm	50.7	39.4	41	26.2	157.3	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	Cu. SW
Mean	......	......	......	......	......	......	20.7	33.5	34.2	21.9	110.3	8.9	....	....	9.1	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	3,417.8	....	....	....	....	....	....

PARACALE

[ϕ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.28 meters; gravity correction not applied, —1.73 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	54.71	54.81	55.58	54.30	55.38	57.15	55.32	25.1	25.5	29	30	27	25.5	27	31.9	24.8	84	84	76	73	80	90	81.2	......
2..	56.83	56.90	57.53	57.01	57.91	59.78	57.66	25.5	25.3	29.4	31	28.5	26	27.6	32.2	24.4	88	85	72	66	76	88	79.2	......
3..	58.94	58.65	59.51	58.58	59.46	60.84	59.33	24.1	23.6	29.2	30.5	28	25.7	26.8	31.2	23.5	96	97	78	75	88	97	88.5	......
4..	59.39	59.67	60.28	58.56	59.40	60.83	59.69	24	22.8	29.8	31.8	28.5	27.5	27.4	32.4	22.7	97	97	74	67	81	88	84	......
5..	59.66	59.48	59.88	57.91	58.42	59.73	59.18	25.9	24.7	31	31.4	28	25.8	27.8	32.1	24	92	97	75	68	83	93	84.7	1.5
6..	58.40	58.58	59.31	57.31	57.12	58.02	58.12	24.8	24.5	30	30.8	27.8	25.5	27.2	31.2	24.2	97	98	78	71	84	96	87.3	5.1
7..	56.73	56.90	58.04	56.07	56.24	58.03	57	24.3	24.5	29.5	30.6	26.7	24.4	26.7	31.7	23.7	97	97	75	71	83	95	86.3	......
8..	56.72	56.64	57.83	56.35	57.11	57.95	57.10	23.5	23.8	29.4	29.5	27.7	25.3	26.5	31.2	23.2	96	97	79	75	85	97	88.2	11.5
9..	57.38	57.70	59	56.80	57	58.70	57.76	24.5	23.8	25.2	27.3	26	24.8	25.3	29.2	23.7	97	97	97	94	90	96	95.2	6.9
10..	57.42	57.47	57.94	55.87	56.13	56.51	56.89	23.7	24	29.5	27.8	25	24.8	25.8	30.3	23.5	97	97	75	86	96	98	91.5	34.5
11..	55.71	55.60	56.48	55.10	54.34	55.39	55.44	24.3	24.4	26.5	26.7	25.2	24.8	25.3	28.3	24	97	98	94	95	94	98	96	18.3
12..	54.69	54.57	54.59	53.03	53.40	54.48	54.13	24.3	25	26.5	28	25.8	25.4	25.8	28	24.3	97	97	90	88	92	97	93.5	......
13..	53.60	54.20	54.65	53.67	54.89	56.13	54.52	25.1	25	28.2	30	27.5	24.8	26.8	30.2	23.9	96	96	85	77	88	96	89.7	6.1
14..	55.59	56.12	56.68	55.28	56.41	57.75	56.30	23.1	23.3	30.5	28.6	26.2	25.2	26.2	31.8	22.7	96	97	72	80	91	95	88.5	.5
15..	56.68	56.87	57.67	56.43	56.97	58.44	57.18	24.2	23.5	29	27	26.5	25.2	25.9	29.8	23.3	96	97	78	89	92	97	91.5	81.6
16..	57.84	57.90	58.55	57.47	58.40	60.01	58.36	24	24	28.6	27.8	26	24.4	25.8	30.4	23.8	97	97	79	88	94	97	92	153.4
17..	59.02	59.83	60.40	59.05	59.87	60.75	59.82	24.6	23.4	26.8	27.5	25.3	23.8	25.2	28.4	23.2	95	92	82	81	93	97	90	37.6
18..	60.40	61	61.57	59.61	60.32	61.16	60.68	24	23.6	27.5	27.8	27	26.1	26	30.8	23.3	97	97	85	84	80	87	88.3	21.3
19..	60.47	60.59	60.88	59.18	59.36	60.71	60.20	24.6	25	29	30.5	25.5	24.2	26.5	30.5	23.8	95	94	78	72	88	94	86.8	45.7
20..	59.47	59.49	60.18	58.28	58.94	60.69	59.51	24	24.4	27.7	28.3	25.4	24.3	25.7	30.1	23.7	96	97	84	82	93	96	91.3	43.9
21..	59.95	60.07	60.54	58.28	59.04	60.89	59.80	23.8	23.5	28.3	29	27.1	26.7	26.4	30.5	23.3	97	97	77	71	76	79	82.8	......
22..	59.88	59.98	61.16	59.26	59.51	60.58	60.06	25.3	25	29.5	29.8	27	26.3	27.2	31.3	24.6	87	88	69	69	77	80	78.3	......
23..	59.66	59.81	60.43	58.95	59.13	60.57	59.76	26.2	24.8	29.4	30.6	27	25.7	27.3	31.6	23.6	79	88	70	67	75	83	77	......
24..	59.65	59.70	60.42	59.15	59.58	60.63	59.86	23.1	22.5	29.2	30.5	27.2	26.2	26.4	31.4	22.4	96	97	68	68	79	86	82.3	1.3
25..	59.59	59.74	60.68	59.12	59.36	60.71	59.87	26	25	29.8	31.2	27	26.8	27.6	32	25	88	96	77	74	92	87	85.7	3.3
26..	59.87	60.17	61.05	59.21	59.01	60.41	59.95	26.2	25.2	29.8	30.2	27.4	27.1	27.6	31.8	24.8	89	97	78	74	83	78	83.2	......
27..	59.53	59.58	60.57	58.97	58.93	60.17	59.62	26.4	26.1	29.5	29.5	26.8	25.8	27.4	30.3	24.8	86	87	79	76	87	93	84.7	20.1
28..	59.29	59.41	59.83	58.13	58.78	60.04	59.25	24	24.5	28.8	30	27.5	26	26.8	31.1	23.8	95	96	80	75	84	96	87.7	.8
29..	59.21	59.53	60.03	58	58.90	59.93	59.27	24.2	23.7	29.4	31.2	27.5	25	26.8	31.2	23.5	96	97	77	71	83	94	86.3	......
30..	59.08	59.67	60.26	58.05	58.23	59.43	59.12	24.8	23.5	30	30.4	27.6	26.8	27.2	31.3	23.2	95	96	68	68	80	84	81.8	......
Mean	58.18	58.35	59.05	57.43	57.92	59.21	58.36	24.6	24.3	28.9	29.5	26.9	25.5	26.6	30.8	23.8	93.7	94.9	78.3	76.5	85.6	91.7	86.8	......
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	493.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	SW	SW	Calm	Calm	30.9	49.1	40.4	9.1	129.5	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
2..	Calm	Calm	SW	SW	Calm	Calm	20.7	45.7	34.9	8.7	110	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
3..	Calm	Calm	SW	SW	Calm	Calm	3.7	23.5	30.9	1.8	59.9	3	Ci.	Cu.	10	Ci.-S.	Cu. SW
4..	Calm	Calm	ENE	ENE	Calm	Calm	2.2	23.8	41.2	11.8	79	2	Ci.	Cu.	2	Ci.	Cu.
5..	Calm	Calm	NE	NE	Calm	Calm	3.8	33	39.2	4.3	80.3	10	Ci.-S.	Cu. NE	4	Ci.	Cu. NNE
6..	Calm	Calm	NNE	NNE	Calm	Calm	4.8	25.9	33.5	5.3	69.5	4	Ci.	Cu. N	4	Ci.	Cu. N
7..	Calm	Calm	NE	NE	Calm	Calm	5.3	22.7	30.3	3.8	62.1	4	Ci.	Cu. NNE	7	Ci.	Cu. NE
8..	Calm	Calm	NE	NE	Calm	Calm	5.3	23.8	31.9	4	65	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. NNE
9..	SW	Calm	Calm	Calm	Calm	Calm	8.3	10	22.8	5.9	47	10	Ci.-S.	Cu. E	10	Ci.-S.	Cu.
10..	Calm	Calm	NW	Calm	Calm	Calm	7.5	17.9	15.6	7.8	48.8	10	Ci.-S.	Cu. NW	10	Ci.-S.	S.-Cu. N
11..	Calm	Calm	Calm	Calm	Calm	Calm	9.5	9.5	10.2	4.8	34	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu.
12..	Calm	Calm	Calm	Calm	Calm	Calm	7.2	13.2	14.8	4.8	40	10	Ci.-S.	S.-Cu. WNW	10	Ci.-S.	Cu.
13..	Calm	Calm	Calm	Calm	Calm	Calm	7.8	16.7	19.9	10.2	54.6	10	Ci.-S.	Cu. W	10	Ci.-S.	Cu.
14..	Calm	Calm	Calm	WSW	Calm	Calm	2.2	15.6	27.7	5.3	50.8	2	Ci.	Cu.	10	Ci.-S.	S.-Cu. WSW
15..	Calm	Calm	NNE	Calm	Calm	Calm	3.4	16.1	15.1	16.6	51.2	7	Ci.	Cu.	10	Ci.-S.	Cu.
16..	Calm	Calm	Calm	ENE	Calm	NE	16.6	20.4	44.3	34.9	116.2	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
17..	Calm	Calm	Calm	Calm	Calm	Calm	27.4	19	15.9	2.2	64.5	10	....	N.	10	Ci.-S.	Cu.
18..	Calm	ENE	Calm	Calm	NE	Calm	20.7	21.7	38.1	35.1	115.6	10	....	N. ENE	10	Ci.-S.	Cu.
19..	NE	Calm	NE	NE	ENE	ENE	32	37.6	49.1	22.3	141	10	Ci.-S.	Cu.	5	Ci.	Cu. NE
20..	Calm	ENE	ENE	ENE	ENE	Calm	15.9	45.4	48.9	19.1	129.3	10	....	N.	10	Ci.-S.	S.-Cu. NE
21..	Calm	Calm	ENE	ENE	ENE	Calm	7.8	26.6	40.2	29	103.6	10	Ci.-S.	Cu.	6	Ci.	Cu.
22..	Calm	Calm	NE	NE	NE	Calm	11	43.3	43.8	25.5	123.6	4	Ci.	Cu. NE	6	Ci.	Cu.
23..	NE	Calm	NE	NE	Calm	Calm	24.3	38.4	40.8	16.9	120.4	5	Ci.	Cu. ENE	4	Ci.	Cu. ENE
24..	Calm	Calm	NE	NE	Calm	Calm	7.4	30.8	40.4	16.7	95.3	2	Ci.	Cu.	3	Ci.	Cu. NE
25..	Calm	Calm	NE	NE	Calm	Calm	20.3	46.5	40.7	34.1	141.6	4	Ci.	Cu. E	7	Ci.	Cu. NE
26..	Calm	Calm	NE	NE	NE	Calm	13.9	43.8	47.3	29.3	134.3	5	Ci.	Cu. NE	4	Ci.	Cu. NE
27..	ENE	Calm	ENE	ENE	Calm	Calm	22.2	39.4	28.5	14.2	104.3	7	Ci.	Cu. ENE	6	Ci.	Cu. ENE
28..	Calm	Calm	ENE	ENE	Calm	Calm	8	27.7	36.7	8.2	80.6	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
29..	Calm	Calm	ENE	ENE	Calm	Calm	4	30.1	39.4	4.8	78.3	3	Ci.	Cu.	4	Ci.	Cu. ENE
30..	Calm	Calm	ENE	NE	ENE	Calm	6.7	27.9	40.5	19.3	94.4	4	Ci.	Cu. ENE	5	Ci.	Cu. NE
Mean	......	......	......	......	......	......	12	28.2	33.4	13.9	87.5	7.2	....	....	7.6	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	2,624.7	....	....	....	....	....	....

PARACALE

[ϕ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.28 meters; gravity correction not applied, —1.73 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.61	58.74	59.36	57.63	58.31	59.48	58.69	23.9	23.7	27.5	31	27	25.3	26.4	31.3	23.5	96	97	81	71	90	96	88.5	3.6
2..	57.70	57.75	58.43	56.45	56.71	58.15	57.53	24.2	23.7	29.4	30.3	28	25.2	26.8	31.5	23.6	97	98	75	73	83	96	87	......
3..	57.40	57.64	58.52	56.25	56.91	58.08	57.47	23.8	23.7	28.6	30.5	28	25.7	26.7	31.3	23.5	97	98	78	72	82	95	87	4.6
4..	57.49	58.21	58.43	56.38	56.85	58.51	57.64	24.4	24.1	29.8	31	28.2	26	27.2	31.6	24	97	97	76	72	87	96	87.5	4.6
5..	57.47	57.84	58.67	56.23	57.11	58.82	57.69	25.2	25.1	29.8	31.7	28	25.5	27.6	31.7	25	98	99	79	65	85	96	87	......
6..	57.79	58.04	59.18	56.78	57.71	59.19	58.12	25	24.1	30.1	31.3	28.3	25.7	27.4	31.5	24	97	97	72	67	80	94	84.5	3.3
7..	58.41	58.79	59.43	57.75	58.59	59.36	58.72	25	25.8	30.6	25.5	24.5	24.3	26	31.1	23.8	95	93	76	96	97	97	92.3	74.8
8..	57.40	57.79	58.44	56	56.07	57.05	57.12	23.7	24.1	26.3	26.4	26.2	25	25.3	27.8	23.6	98	99	93	89	90	97	94.3	6.6
9..	56	56.49	57.35	56	56.38	57.37	56.60	24.2	23.5	28	25.2	25.6	24.2	25.1	30.4	23.2	97	98	85	96	96	98	95	43.7
10..	56.32	56.84	58	56.40	56.66	58.26	57.08	23.8	24	28	26.3	25.2	24.5	25.3	28.4	23.5	98	98	85	94	92	96	93.8	3.5
11..	57.80	58.27	59.39	57.36	58.44	60.16	58.57	23.5	23.7	28.3	30.5	26.3	26	26.4	31.2	23.2	97	97	82	75	95	96	90.3	3
12..	59.45	60.14	61.27	59.17	60.01	61.34	60.23	24.3	23.7	29	30.7	27.5	25.4	26.8	31.1	23.7	97	98	86	74	87	97	89.8	......
13..	60.18	60.50	61.35	58.86	59.88	59.90	60.11	24.4	24.5	29.8	30.8	28.4	28	27.6	31	23.3	97	97	79	76	85	85	86.5	5.8
14..	58.63	58.65	58.78	56.76	56.23	57.80	57.81	27.4	26.3	27	25.4	24.8	26	26.2	27.8	23.3	85	90	88	93	96	96	91.3	51
15..	56.30	56.88	57.63	55.73	56.08	57.54	56.69	26.3	24.8	27.5	29	27.5	26.5	26.9	29.5	24.8	95	98	88	80	84	92	89.5	3
16..	57	57.31	58.18	56.41	57.29	58.93	57.52	25.4	24.5	29.2	27.8	26.3	25.4	26.4	30.3	24.3	93	94	81	88	93	98	91.2	8.9
17..	57.29	57.60	58.98	56.31	57.80	58.85	57.80	24.2	23.5	30	31.8	27.5	26	27.2	32.1	23.5	98	99	75	72	88	96	88	1.8
18..	57.45	57.48	58.41	56.05	57.03	58.58	57.50	25	24.3	30.3	31.5	27.5	25.8	27.4	31.8	24	97	97	72	72	91	96	87.5	5.1
19..	57.69	58.22	58.46	56.16	57.49	58.68	57.78	25	24.4	29.3	29.3	27.5	26.5	27	31	24.3	97	98	80	83	87	94	89.8	20.8
20..	57.87	58.58	59.56	57.97	59.24	60.58	58.97	24.2	26.5	29.7	27.5	27.4	27	27	31.2	24.2	96	88	77	85	78	75	83.2	6.1
21..	59.51	60.02	61.13	59.31	60.11	61.11	60.20	26.8	26.6	29.3	30.1	27.4	27.3	27.9	31	26.3	74	74	67	68	74	82	73.2	......
22..	59.78	60.13	60.44	58.82	59.40	60.71	59.88	24.5	26.8	29.8	29	27.5	27.2	27.5	30.3	24.4	96	90	73	73	82	84	83	.5
23..	59.71	60.08	61.06	59.15	59.67	61.01	60.11	26	25.8	29.5	30.5	28	27.5	27.9	31.5	24.7	92	93	76	75	81	83	83.3	10.7
24..	59.47	59.96	61.19	58.52	59.53	60.44	59.85	24.8	24.8	25	29.8	25.2	24	25.6	30.3	23.8	98	98	98	79	97	98	94.7	124
25..	59.35	59.85	60.72	58.36	59.58	60.96	59.80	23.8	23.6	28.5	28.6	25.8	24.5	25.8	30.8	23.5	98	99	85	80	93	97	92	34.8
26..	59.87	60.40	60.94	58.77	59.34	60.33	59.94	23.2	23	29.4	28.5	26.6	24.8	25.9	31	22.8	98	99	75	82	91	98	90.5	10.7
27..	59.69	60.23	61.49	59.87	59.96	61.03	60.38	24.5	23.9	29.2	26.5	26.2	26.6	26.2	30	23.8	97	99	80	96	94	90	92.7	16.8
28..	59.99	60.46	60.53	58.63	59.16	60.64	59.90	25.8	25	27.4	28.5	27.3	26.7	26.8	29.5	24.9	93	98	89	83	87	89	89.8	8.7
29..	59.21	59.48	60.76	58.59	59.03	60.09	59.53	25.3	24.8	27.7	26.4	26	25.5	26	29.7	24.4	96	98	87	91	94	96	93.7	49.2
30..	59.43	59.92	60.62	58.17	59.28	59.87	59.55	24.1	24.3	27	28.2	25	24.8	25.6	29.2	23.8	98	97	94	89	97	99	95.7	35.9
31..	58.96	59.98	60.66	58.18	59.09	60.16	59.50	24.2	24	26.5	29	27.5	25.3	26.1	30.3	24	98	96	96	83	88	96	92.8	47.5
Mean	58.36	58.78	59.59	57.52	58.22	59.45	58.65	24.7	24.5	28.6	29	26.8	25.7	26.6	30.6	24	95.5	95.8	81.5	80.4	88.5	93.5	89.2	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	589

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	ENE	ENE	Calm	Calm	6.2	33.5	40	6.6	86.3	10	Ci.-S.	Cu. ENE	4	Ci.	Cu.
2..	Calm	Calm	NNE	NNE	Calm	Calm	8.3	23.5	31.2	6.7	69.7	7	Ci.	Cu. N	7	Ci.	Cu. N
3..	Calm	Calm	NNW	NNW	Calm	Calm	8.2	20.7	32.5	4.2	65.6	6	Ci.	Cu. NW	6	Ci.	Cu. W
4..	Calm	Calm	NE	NE	Calm	Calm	4.6	24.4	31.6	4.6	65.2	4	Ci.	Cu.	10	Ci.-S.	Cu. W
5..	Calm	Calm	NE	NE	Calm	Calm	4.5	27.4	32.7	3.2	67.8	5	Ci.	Cu.	4	Ci.	Cu. NE
6..	Calm	Calm	NE	NE	Calm	Calm	4.2	25.4	36	10.5	76.1	3	Ci.	Cu.	3	Ci.	Cu.
7..	Calm	Calm	NNE	Calm	Calm	Calm	18.8	30.1	21.4	9.2	79.5	6	Ci.	Cu.	10	Ci.-S.	S.-Cu. NE
8..	Calm	Calm	Calm	NW	Calm	Calm	8	10.5	28.4	6.2	53.1	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. WNW
9..	Calm	Calm	Calm	Calm	Calm	Calm	5.6	13.1	13.9	4.2	36.8	3	Ci.	Cu.	10	....	N.
10..	Calm	Calm	Calm	Calm	Calm	Calm	2.9	11.8	14.7	5.3	34.7	7	Ci.	Cu.	10	Ci.-S.	S.-Cu.
11..	Calm	Calm	NE	NE	Calm	Calm	4.5	19.3	22.8	2.2	48.8	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
12..	Calm	Calm	Calm	NE	Calm	Calm	3.2	20.1	32.4	3.8	59.5	3	Ci.	Cu.	5	Ci.	Cu.
13..	Calm	Calm	NE	NE	NNE	NNE	4.5	45.7	64.4	57.6	172.2	10	Ci.-S.	Cu.	6	Ci.	Cu. NE
14..	NNE	NNE	NNE	NE	ENE	Calm	60.7	71	55.2	30.3	217.2	10	Ci.-S.	S.-Cu. NNE	10	Ci.-S.	S.-Cu. NE
15..	Calm	Calm	Calm	NE	NE	Calm	22.7	26	42.6	20.9	112.2	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	Cu.
16..	Calm	Calm	NE	Calm	Calm	Calm	12.7	28.7	15.1	2.1	58.6	10	Ci.-S.	Cu. S	10	Ci.-S.	S.-Cu. S
17..	Calm	Calm	NE	Calm	Calm	Calm	5.4	17.2	16.7	6.6	45.9	3	Ci.	Cu.	4	Ci.	Cu. S
18..	Calm	Calm	Calm	WSW	Calm	Calm	4.3	21.1	25.7	3.2	54.3	3	Ci.	Cu.	3	Ci.	Cu. W
19..	Calm	Calm	Calm	NW	Calm	Calm	5.8	18.2	36.4	9.7	70.1	4	Ci.	Cu.	6	Ci.	Cu. NW
20..	Calm	NE	NE	NE	NE	NE	11.6	40.4	51.7	53.1	156.8	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Cu. NE
21..	NE	NE	NE	NE	NE	NE	62.5	66.2	58.2	34.9	221.8	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. NE
22..	Calm	NE	NE	NE	ENE	ENE	24.7	45.9	40.4	30.1	141.1	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. NE
23..	Calm	Calm	ENE	ENE	ENE	ENE	14.7	37.2	43.7	32.8	128.4	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
24..	Calm	Calm	NE	NE	NE	Calm	11	38.9	47.3	24.4	121.6	10	....	N.	10	Ci.-S.	Cu.
25..	Calm	Calm	NE	NE	Calm	Calm	6.2	25.7	24.3	15.6	71.8	3	Ci.	Cu.	10	Ci.-S.	Cu. NE
26..	Calm	Calm	Calm	NE	Calm	Calm	4	24.6	32.8	9.2	70.6	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. NE
27..	Calm	Calm	ENE	Calm	Calm	Calm	5.1	28.8	17.1	17.7	68.7	10	Ci.-S.	Cu. E	10	Ci.-S.	Cu. E
28..	Calm	Calm	ENE	ENE	ENE	Calm	15	21.1	37.5	25.4	99	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	Cu. E
29..	Calm	Calm	ENE	Calm	ENE	Calm	13.1	44.8	37.6	26.4	121.9	10	Ci.-S.	Cu. ENE	10	....	N. ENE
30..	Calm	Calm	ENE	Calm	Calm	Calm	11.8	29.8	28.4	1.9	71.9	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	Cu. ENE
31..	Calm	Calm	Calm	Calm	ENE	Calm	9.9	8.9	35.9	23.6	78.3	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu. ENE
Mean	.....	.....	.....	.....	.....	.....	12.4	29	33.8	15.9	91.1	7.6	....	....	8.3	....	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,825.5	....	....	....	....	....	....

PARACALE

[ϕ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.28 meters; gravity correction not applied, —1.73 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.58	59.98	60.89	59.22	59.77	60.96	60.07	23.8	24.2	27.4	26.5	24.7	25	25.3	30.3	23.5	97	97	89	92	98	98	95.2	38.5
2..	59.88	60.18	61.27	59.30	60.34	60.89	60.31	24.3	24.1	26.8	29.5	27.5	27.4	26.6	30.3	24	97	99	88	78	84	89	89.2	7.2
3..	59.76	59.93	60.62	58.96	59.36	60.89	59.92	26.6	27	29.5	29	26.5	27	27.6	31.5	26	90	92	78	85	93	88	87.7	14.7
4..	59.77	60.09	60.77	59.07	59.20	60	59.82	26.6	27	29.4	30.1	27.5	27.5	28	31.2	26	87	84	81	79	92	91	85.7	8.9
5..	59.12	59.48	60.25	58.16	58.52	59.78	59.22	26.2	26.8	29.2	29.5	27.6	26.4	27.6	30.8	25.8	94	88	81	78	84	92	86.2	17.3
6..	58.55	58.86	59.38	57.74	58.58	60.33	58.91	24.5	24.4	29	30	27.5	25.8	26.9	30.6	24	97	98	78	75	82	90	86.7	7.9
7..	59.29	60.01	60.77	58.71	58.97	60.33	59.68	25.2	25.3	28.8	28	27.3	24.9	26.6	29.2	23.8	95	96	83	86	86	92	89.7	13.3
8..	59.62	60.22	60.46	58.33	58.46	59.58	59.44	24.1	23.5	27.2	29.3	27.2	26.4	26.3	30	23.5	95	98	89	77	84	85	88	1.1
9..	58.18	58.25	59.03	56.62	57.33	57.94	57.89	24.2	23.8	29	29.2	25.8	26.2	26.4	30.3	23.5	95	98	78	78	95	94	89.7	9.4
10..	57.15	57.38	57.54	55.88	56.75	57.32	57	25.5	25.2	27.7	28.5	26.1	26.3	26.6	29.3	25	96	94	85	79	91	88	88.8	7.3
11..	56.83	57.35	57.85	56.09	56.68	57.92	57.12	26	25.8	27.6	27.5	27.3	26.8	26.8	29.3	25.1	90	92	87	85	84	90	88	1.5
12..	57.22	57.60	58.56	57.18	58.37	58.85	57.96	26.4	25.6	29.3	29.6	27	27.1	27.5	30.8	24.9	90	95	81	74	86	83	84.8	11.7
13..	57.78	58.10	59.47	58.13	58.69	59.58	58.62	26.8	26.6	28.5	28.3	27.2	27.1	27.4	29.6	25	83	83	76	79	79	80	80	3.1
14..	58.60	58.83	59.66	57.94	58.46	59.41	58.82	26.8	25.1	26.5	25.5	26.4	25.4	26	27.3	24.3	82	95	88	82	79	89	85.8	23.4
15..	58.18	58.38	59.56	57.20	57.90	58.24	58.24	25.8	26.3	26.2	24	25.8	26.5	25.8	26.7	23.2	85	84	89	96	89	84	87.8	30.4
16..	57.25	57.77	58.87	56.53	57.33	58.08	57.64	26	24.3	26.5	28.5	26.6	26.3	26.4	30	24	84	94	92	87	87	90	89	7.6
17..	57.28	57.42	58.80	56.61	56.63	56.70	57.24	24.3	23.3	23.3	25.6	25.6	25.5	24.6	26.7	23	96	98	97	93	91	94	94.8	97.2
18..	55.13	56.85	58.40	56.63	57.56	58.99	57.26	26.3	24	27.4	26	25.6	24	25.6	27.4	23.8	84	93	83	96	93	98	91.2	7.7
19..	58.37	58.77	59.90	57.58	58.95	60.04	58.94	23.3	23.2	27	28.8	25.8	25.2	25.6	30.2	23	97	98	90	79	94	96	92.3	26.2
20..	58.85	58.66	59.19	57.46	58.23	59.11	58.58	24	23.8	28.8	29.2	26.5	25	26.2	30.4	23.5	97	99	83	80	90	98	91.2	1.8
21..	57.59	57.81	58.41	56.73	57.42	58.75	57.78	23.7	23.6	27.8	30	26.1	25.1	26	30	23.2	98	99	83	75	91	97	90.5	49.2
22..	58.53	59.33	60.58	58.95	59.03	60.19	59.44	25.8	25.8	27	27.6	25.8	25.5	26.2	28.8	24.6	85	81	77	76	81	77	79.5	2.5
23..	60	60.22	61.52	59.48	60.33	61.32	60.48	25.4	25.5	25.8	26.6	24.1	23	25.1	26.8	22.6	77	74	75	69	86	96	79.5	6.6
24..	60.58	60.60	61.57	60.12	60.37	61.28	60.75	22.2	24	25.3	25.2	25.5	25.5	24.6	26.5	22.2	98	86	76	82	74	72	81.3	3.8
25..	59.88	60.55	62.01	60.07	60.48	61.52	60.75	24.8	24.2	26.2	24.7	26	25.6	25.2	26.9	21.8	77	84	76	78	73	71	76.5	2.6
26..	60.45	60.75	61.33	59.07	59.52	59.54	60.11	23.9	24.6	27.6	27.8	25	24	25.5	29.3	23.9	84	87	75	74	93	97	85	11.4
27..	59	59.09	60.27	58.78	58.45	59.71	59.22	24.8	25.3	27.3	25	25.5	25.5	25.6	27.4	24	98	98	88	96	96	96	95.3	24.9
28..	59.48	59.88	60.83	59.51	60.56	62.01	60.38	25.2	25.5	27.5	28	27	25.8	26.5	30.1	24.3	98	96	85	85	87	95	91	40.1
29..	60.73	61.01	61.59	59.51	60.02	60.77	60.60	24.7	25.1	28	28.5	25.6	26.4	26.4	29.6	24.3	96	96	88	83	98	90	91.8	17.2
30..	59.91	60.23	61.49	59.14	60.13	61.43	60.39	25.2	26.3	28.4	28	26.6	26.1	26.8	29.5	24.7	95	94	85	88	91	95	91.3	7.8
Mean	58.75	59.12	60.03	58.16	58.75	59.72	59.09	25.1	25	27.5	27.8	26.3	25.8	26.3	29.2	24	91.2	92.3	83.5	82.1	87.7	89.8	87.8	......
Total	....	....	....	....	....	....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......	502.3

Day.	Wind.											Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	ENE	Calm	Calm	Calm	9.1	23.1	23	11.9	67.1	10	Ci.-S.	S.-Cu. ENE	10	....	N. ENE
2..	Calm	Calm	Calm	ENE	ENE	ENE	6.2	18.2	55	43.3	122.7	10	Ci.-S.	S.-Cu. NE	6	Ci.	Cu. NE
3..	ENE	ENE	NE	NE	Calm	NE	49.1	56.5	48.6	41.8	196	7	Ci.-S.	Cu. ENE	6	Ci.-S.	Cu. ENE
4..	ENE	ENE	ENE	ENE	ENE	ENE	41.6	65.5	51.5	38	196.6	6	Ci.	Cu. ENE	7	Ci.	Cu. ENE
5..	ENE	ENE	ENE	ENE	ENE	Calm	47.2	58.2	51.5	33.8	190.7	6	Ci.	Cu. ENE	6	Ci.	Cu. ENE
6..	Calm	Calm	ENE	ENE	ENE	ENE	10.7	29	46.1	42.1	127.9	5	Ci.	Cu. E	4	Ci.	Cu. E
7..	ENE	Calm	ENE	ENE	ENE	Calm	27.2	38.4	39.2	28.8	133.6	6	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
8..	Calm	Calm	Calm	ENE	ENE	ENE	8.9	20.3	37.2	25.5	91.9	6	Ci.	Cu. ENE	6	Ci.	Cu. ENE
9..	Calm	Calm	ENE	ENE	Calm	Calm	6.4	35.7	38	15.3	95.4	5	Ci.	Cu. NE	6	Ci.	Cu. NE
10..	Calm	Calm	NW	NW	Calm	NW	13.4	31.1	33.6	13.9	92	10	Ci.-S.	Cu. NW	10	Ci.-S.	S.-Cu. NW
11..	Calm	Calm	NW	Calm	NW	Calm	21.9	35.9	39.6	29.8	127.2	10	Ci.-S.	S.-Cu. NW	10	Ci.-S.	Cu. NW
12..	Calm	Calm	NE	NE	NE	NE	23.8	46.1	48.1	39.7	157.7	10	Ci.-S.	Cu. NNE	10	Ci.-S.	Cu. NNE
13..	NE	NE	NE	NE	NE	NE	51.2	61.4	60.7	74.5	247.8	10	Ci.-S.	Cu. NE	10	Ci.-S.	S.-Cu. NE
14..	NNE	NNE	NNE	NNE	NNE	NNE	72.9	85	86.1	92.2	336.2	10	....	N.	10	Ci.-S.	S.-Cu. NNE
15..	NNE	NNE	NE	Calm	NNE	NNE	84.2	83.5	62.2	71.3	301.2	10	Ci.-S.	S.-Cu. NNE	10	Ci.-S.	Cu.
16..	NE	NE	NE	NE	NE	Calm	65.4	47.5	47.5	31.2	191.6	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. NE
17..	NE	Calm	Calm	NE	NE	NNE	22	27.2	53.6	90.1	192.9	10	Ci.-S.	Cu.	10	Ci.-S.	N.
18..	NE	ENE	E	Calm	Calm	Calm	85.5	63.6	23.8	7.4	108.3	10	....	S.-Cu. ENE	10	Ci.-S.	Cu.
19..	Calm	Calm	ENE	ENE	Calm	ENE	1.9	23.8	34.3	13.2	73.2	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. ENE
20..	Calm	Calm	ENE	ENE	Calm	Calm	7.8	26	36.4	4	74.2	6	Ci.	Cu.	6	Ci.	Cu.
21..	Calm	Calm	Calm	NNW	NNW	NW	3.2	14.5	29.6	51.3	98.6	10	Ci.-S.	S.-Cu. WSW	7	Ci.	Cu. NNW
22..	NNE	NNE	NNE	NNE	NE	NE	74	75.6	69.2	63.3	282.1	10	Ci.-S.	Cu. NNE	10	Ci.-S.	Cu. NNE
23..	NE	NE	NE	NE	Calm	Calm	45.6	38.8	34.6	11.3	130.3	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu.
24..	Calm	Calm	NE	NE	NE	NE	10.8	58.7	52.1	63.6	185.2	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
25..	NE	NE	NE	NE	NE	NE	62.5	85.6	72.4	63.6	284.1	5	Ci.	Cu. NE	10	Ci.-S.	S.-Cu. NE
26..	NE	NE	NE	NE	NE	Calm	47.2	60.2	46.7	12.7	166.8	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. NE
27..	Calm	Calm	NE	NE	NE	ENE	13.7	49.3	47.5	49.4	159.9	10	Ci.-S.	Cu. NE	10	....	N.
28..	ENE	Calm	ENE	ENE	E	E	43.5	42.3	41.6	38.8	166.2	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. E
29..	Calm	E	E	E	E	F	42.9	59.8	58.1	45.7	206.5	10	....	Cu.-N. E	10	Ci.-S.	Cu.
30..	Calm	E	E	E	E	E	48.5	72.7	69.8	76.2	267.2	10	Ci.-S.	Cu. E	10	Ci.-S.	Cu. E
Mean	......	......	......	......	......	......	34.9	47.8	47.9	40.8	171.4	8.7	....	....	8.8	....	....
Total	......	......	......	......	......	......	....	....	....	....	5,143.1	....	....	....	....	....	....

PARACALE

[ϕ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.28 meters; gravity correction not applied, —1.73 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.96	60.29	61.09	58.98	60.04	61.08	60.24	26.3	26.3	27.8	28	27	27	27.1	29.2	26	92	92	86	83	86	88	87.8	4.6
2..	60.11	60.44	61.86	59.76	60.09	60.73	60.50	26.2	26.5	27.3	28	26.5	26.5	26.8	29.8	24.5	90	86	82	77	88	88	85.2	27.4
3..	59.25	59.37	59.96	57.88	58.07	58.75	58.88	26.2	26.3	28.3	27.8	27.1	26.1	27	29	24.1	90	90	82	83	87	92	87.3	35.3
4..	57.65	57.65	58.33	56.40	56.08	57.58	57.28	24.1	25	25.5	25.8	25.7	25.8	25.3	26.3	24	95	96	96	95	96	93	95.2	34.2
5..	56.63	56.73	58.15	55.91	56.88	57.83	57.02	25.7	25.6	27	27.5	25.8	25.7	26.2	29.2	25	94	95	88	87	93	97	92.3	......
6..	57.28	57.30	58.29	56.47	57.56	58.74	57.61	24.9	23.8	29.4	28.7	26.7	25	26.4	30.2	23.8	97	98	77	85	94	98	91.5	2.5
7..	58.27	58.57	59.37	57.73	58.40	59.91	58.71	23.4	23	27.8	28.4	26.3	24.8	25.6	30.6	22.8	97	98	84	82	94	98	92.2	31.2
8..	58.81	59.20	60.08	58.22	58.56	59.89	59.13	23.3	22.9	28.1	29.7	27	26.1	26.2	30.3	22.9	97	98	84	77	88	91	89.2	2.3
9..	59.23	59.28	60.52	59.07	59.68	60.73	59.75	25.7	25.4	28.5	28.3	26.2	26.6	26.8	29.8	24.9	94	93	81	81	84	83	86	5.3
10..	60.21	60.53	61.77	59.54	59.98	61.43	60.58	25.2	25.8	28	26	26.5	26.8	26.4	28.9	24.1	95	91	81	88	88	86	88.2	2.3
11..	60.62	60.99	61.67	59.66	60.53	60.88	60.72	26.2	25.9	27.8	29.2	25.8	24.8	26.6	30	24.8	88	88	79	74	91	96	86	1
12..	59.18	59.70	60.66	58.54	59.43	60.29	59.63	25	24	25.4	28.8	25.5	24.2	25.5	29.8	23.7	96	98	93	78	94	98	92.8	8.9
13..	58.60	59.02	59.88	57.68	58.15	58.80	58.69	23.1	22.7	27.6	28.3	26.5	24.1	25.4	29.4	22.7	98	99	86	80	84	97	90.7	.5
14..	58.30	58.56	59.36	57.15	57.60	58.64	58.27	24.5	25.3	24.8	24.3	24.8	24.3	24.7	25.3	23.5	96	88	96	97	94	96	94.5	110.2
15..	57.94	58.24	59.80	58.27	59.27	59.98	58.92	23.8	24	24.2	24.5	25	24.3	24.3	25.2	23.7	97	97	98	96	94	97	96.5	74.2
16..	59.29	59.59	60.83	59.28	59.92	61.28	60.03	24	24	25.4	26.5	25.3	26.1	25.2	26.5	23.5	98	98	95	80	85	83	89.8	13.4
17..	60.68	60.98	62.22	60.78	60.85	61.97	61.25	24.2	24.5	24.5	24.4	24.8	25	24.6	26.2	23.4	94	95	96	95	98	96	95.7	41.1
18..	60.97	61.57	62.71	60.67	61.15	62.39	61.58	25.3	25.2	25.8	25.5	26.1	25.7	25.6	26.4	24.5	93	92	92	88	79	76	86.7	32.5
19..	62.15	62.35	63.66	61.58	62.14	63.23	62.52	24.6	25.3	26.7	26.6	26.1	24.6	25.6	27.3	23.5	87	84	79	80	80	94	84	4.6
20..	62.08	62.20	63.08	61.22	61.82	62.71	62.18	24.9	23.5	27.5	27.5	25.7	25.4	25.8	28.6	23.3	94	96	81	81	86	94	88.7	2.3
21..	61.93	62.08	63.18	61.87	62.07	63.54	62.44	24.4	23.7	28	28.8	26.5	26.1	26.2	30	23.7	97	97	81	70	78	83	84.3	......
22..	62.58	62.36	63.19	61.21	62.16	62.96	62.41	26	26	27.8	28	24.4	25.4	26.3	29.7	23.5	80	80	75	81	95	93	84	5.6
23..	61.63	61.73	62.33	60.21	61.23	61.73	61.48	24.8	25.5	28.3	28.7	27	26.5	26.8	29.6	24.8	93	90	80	80	83	86	85.3	2.3
24..	60.18	60.58	61.23	59.31	59.91	60.43	60.27	24.8	23.7	28	28	26.5	26	26.2	29.8	23.7	91	98	85	82	86	90	88.7	1.3
25..	59.10	59.80	60.94	59.39	60.31	61.12	60.11	25.2	24.1	26	26.8	26.3	26.1	25.8	27.5	24	93	95	85	84	86	88	88.5	8.9
26..	60.21	60.72	61.44	59.61	59.93	60.36	60.38	25.7	24.8	27	26.5	26.2	26	26	27.8	24.3	89	96	84	88	87	88	88.7	9.1
27..	59.83	60.25	61.31	59.53	60.53	61.01	60.41	24.4	24.6	28	27	26	25.8	26	29.3	24	97	97	85	88	94	96	92.8	4.1
28..	59.83	60.09	60.98	59.36	60.73	61.68	60.44	25.4	26	27.5	27.5	26.1	25.3	26.3	29.3	23.6	97	98	91	88	94	89	92.8	42.7
29..	61.43	62.15	63.22	61.25	61.95	63	62.17	23.2	23.1	24.5	23.3	24.2	24.5	23.8	25	22.7	97	97	92	97	92	83	93	49.7
30..	62.83	63.43	64.76	63.48	64.21	64.59	63.88	23.2	23	23.5	22.5	22.1	23.5	23	24.4	21.5	86	84	83	87	86	73	83.2	2.8
31..	63.86	64.16	64.92	62.62	63.28	64.10	63.82	22.6	22.7	24.5	25.2	24	23.3	23.7	25.8	21.5	80	81	75	73	79	84	78.7	1
Mean	60.02	60.32	61.32	59.44	60.08	61.01	60.36	24.7	24.6	26.8	27	25.8	25.4	25.7	28.3	23.7	93	93.1	85.5	84	88.5	90.1	89	....
Total	.....	.....	.....	.....	.....	.....	......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	561.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	E	E	ENE	ENE	ENE	64.6	69.2	82.1	77.2	293.1	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	S.-Cu. ENE
2..	NE	NE	NE	NE	NE	NE	63.8	72.1	70.6	66.3	272.8	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. NE
3..	NE	NE	NE	NE	ENE	ENE	59.7	70.3	77.2	46.2	253.4	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. ENE
4..	Calm	ENE	ENE	ENE	ENE	ENE	34.4	40.8	51	50.7	176.9	10	....	Cu.-N. E	10	....	N. ENE
5..	E	Calm	Calm	E	Calm	Calm	44.6	36.5	39.7	14.8	135.6	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	Cu. E
6..	Calm	Calm	E	Calm	Calm	Calm	8.3	19.5	14.7	1.1	43.6	6	Ci.	Cu.	5	Ci.	Cu. S
7..	Calm	Calm	Calm	Calm	Calm	Calm	1.3	17.5	19.6	6.1	44.5	2	Ci.	Cu.	7	Ci.	Cu. NE
8..	Calm	Calm	ENE	ENE	Calm	Calm	2.4	22.2	31.2	15.8	71.6	2	Ci.	Cu.	4	Ci.	Cu. ENE
9..	Calm	Calm	ENE	ENE	Calm	ENE	13.2	38.1	36.8	34.9	123	4	Ci.	Cu. E	10	Ci.-S.	Cu. ENE
10..	Calm	ENE	ENE	E	E	E	33.8	48	47.5	59.5	188.8	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	S.-Cu. E
11..	E	E	E	E	E	Calm	45.6	62	57.3	13.1	178	10	Ci.-S.	Cu. E	5	Ci.	Cu. E
12..	Calm	Calm	Calm	Calm	Calm	Calm	6.1	18.5	27.2	3.4	55.2	5	Ci.	Cu. E	6	Ci.	Cu. E
13..	Calm	Calm	ENE	ENE	E	Calm	1.3	16.6	35.6?	4.8	58.3	6	Ci.	Cu. NE	4	Ci.	Cu. ENE
14..	E	E	ENE	NE	NE	NE	27.9	80.2	81.9	65.2	255.2	10	Ci.-S.	Cu. E	10	....	N. NE
15..	NE	NE	NE	NE	NE	NE	45.3	63.1	38.9	35.7	183	10	....	N. NE	10	Ci.-S.	S.-Cu. NE
16..	Calm	Calm	NE	NE	NE	NE	36.8	48.9	64.9	59.2	209.8	10	....	N. NE	10	Ci.-S.	S.-Cu. NE
17..	NE	NE	NE	NE	NE	NE	53.9	53.9	49.9	54.7	212.4	10	Ci.-S.	S.-Cu. NE	10	....	N. NE
18..	NE	NE	NE	NE	NE	NE	65.2	67.1	84.2	77	293.5	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
19..	NE	NE	NE	NE	NE	Calm	55.8	62.5	50.5	30.9	199.7	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. NE
20..	Calm	Calm	NE	NE	Calm	Calm	15.5	36.2	43.1	20.6	115.4	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. NE
21..	Calm	Calm	ENE	ENE	ENE	ENE	9.9	32.4	47.5	48.6	138.4	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Cu. ENE
22..	ENE	ENE	ENE	ENE	ENE	ENE	64.9	88	79.5	52.9	285.3	10	Ci.-S.	Cu.	5	Ci.	Cu. ENE
23..	Calm	ENE	ENE	ENE	ENE	Calm	45.1	47.8	42.3	21.5	156.7	10	Ci.-S.	Cu. ENE	6	Ci.	Cu. ENE
24..	Calm	Calm	ENE	ENE	ENE	Calm	3.4	21.7	37.5	19.6	82.2	8	Ci.-S.	Cu. ENE	8	Ci.	Cu. ENE
25..	Calm	Calm	ENE	ENE	ENE	ENE	10	33.2	51	32.5	126.7	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
26..	ENE	ENE	ENE	ENE	ENE	ENE	36.7	57.3	[a]49.6	[b]11.5	[c]155.1	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
27..	Calm	Calm	Calm	Calm	Calm	Calm	6.2	21.4	25.9	21.1	74.6	7	Ci.	Cu. ENE	10	Ci.-S.	Cu. ENE
28..	Calm	Calm	ENE	ENE	ENE	ENE	15.6	39.2	52.5	81.1	188.4	7	Ci.	Cu. ENE	10	Ci.-S.	Cu. ENE
29..	ENE	ENE	ENE	ENE	NE	NE	63.1	60.4	95	111.8	330.3	10	....	N.	10	....	N.
30..	NE	NE	NE	NE	NE	NE	112.1	108.1	104.6	105.9	430.7	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
31..	NE	NE	NE	NE	NE	NE	92.5	76.9	64.1	70.6	304.1	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. NE
Mean	......	......	......	......	......	......	36.7	49.3	53.3	42.4	181.8	8.6	....	....	8.7	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	[c]5,636.3	...	....	....	.....	....	....

[a] 1 hour missing.

[b] 4 hours missing.

[c] 5 hours missing.

SAN ISIDRO, NUEVA ECIJA

[ϕ=15° 19′ N; λ=120° 55′ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.84	62.59	63.82	61.55	62.07	63.01	62.48	23	22.7	26.6	30.7	27.4	24	25.7	31.1	22	91	97	81	60	74	91	82.3	0.5
2..	62.36	63	63.99	61.05	61.44	63.37	62.54	22	21.5	27.2	32.6	28.2	26.2	26.3	33.1	20.9	91	92	78	57	69	82	78.2	....
3..	62.41	63.06	63.99	61.91	62.53	63.72	62.94	24.2	22.6	28	31	27	25	26.3	32	22	90	95	73	63	72	83	79.3	....
4..	63.34	64.01	65.02	62.53	62.89	64.03	63.64	23.2	22	26.8	30.3	26.2	24.5	25.5	31.2	21.6	91	95	81	67	78	87	83.2	....
5..	63.36	64.12	65.18	63.37	64.62	65.98	64.44	23	22.8	28.2	29.3	24.8	23.5	25.3	29.6	21.6	91	91	72	69	88	96	84.5	1.6
6..	65.49	66.14	66.69	64.46	65.52	66.06	65.73	22	21	26.5	29.1	25.5	23	24.5	29.5	20.3	96	95	70	60	69	84	79	....
7..	64.47	64.52	65.34	62.82	64.07	65.06	64.38	22.8	22.9	26.7	30.6	27.4	24.6	25.8	31	21.5	84	80	78	58	70	83	75.5	....
8..	64	64.39	64.57	62.01	62.59	63.14	63.45	23.5	21	28.4	30	26.4	24	25.6	31.4	20.1	87	93	68	62	73	87	78.3	....
9..	62.46	62.57	63.28	61.30	61.28	62.44	62.22	22.8	21.8	28.3	28	27	24	25.3	29.6	21.3	89	93	72	78	77	87	82.7	....
10..	61.27	61.40	62.32	59.30	59.47	61.24	60.83	21.5	20	27	33.2	29.2	24.2	25.8	33.9	19	91	95	77	49	62	82	76	....
11..	60.58	60.79	62.02	59.38	59.87	61.82	60.74	20.6	18.8	26.5	31	29.4	24.8	25.2	33	18.4	91	94	76	56	62	85	77.3	....
12..	60.96	61.08	62.49	59.73	59.82	61.94	61	22.2	22	26	31.8	28.5	24	25.8	32.6	21	91	91	81	58	64	88	78.8	....
13..	61.22	61.58	63.08	60.17	60.58	62.88	61.58	22.2	19.2	25.6	31.4	27.7	22.6	24.8	32	18	91	98	80	53	60	86	78	....
14..	62.62	63.17	64.65	62.12	62.89	64.12	63.26	21.5	19	27.3	31.8	27.1	25	25.3	32.4	18.4	87	96	71	55	65	77	75.2	....
15..	63.12	63.71	64.86	62.21	62.54	64.09	63.42	22.4	21	27	31.8	27.6	25	25.8	32.1	20	88	95	74	56	73	82	78	....
16..	63.29	63.55	64.58	62.35	63.12	64.64	63.59	22.6	20.5	28	31.2	26.8	23.6	25.4	31.9	19.8	89	95	71	54	69	78	76	....
17..	64.06	64.66	65.74	63.56	64.49	65.70	64.70	21.8	19.4	28	31.3	26.6	22.8	25	32.1	18.5	89	93	65	52	69	83	75.2	....
18..	65.01	65.26	66.37	64.01	64.39	65.71	65.12	20.5	18.4	27.5	30.9	26.2	23.2	24.4	31.5	17.7	91	94	69	52	67	81	75.7	....
19..	64.94	65.85	66.37	63.92	64.70	65.84	65.27	20.2	19.5	27.6	29.8	26.4	24.8	24.7	32.4	18.2	91	95	63	51	65	77	73.7	....
20..	64.99	65.29	65.87	63.31	63.74	65.41	64.77	21.5	21.2	26.6	29	25.1	23.5	24.5	30.2	20.4	90	91	72	61	75	83	78.7	....
21..	64.79	65.14	66.13	63.87	64.08	65.19	64.87	22.4	20.4	26	28	25	21.7	23.9	29.6	19.5	88	92	69	62	72	85	78	....
22..	64.63	64.76	65.73	63.26	63.69	64.67	64.46	19.6	18.6	26.5	29.2	25.6	21.1	23.4	30.9	17.8	92	96	69	59	71	86	78.8	....
23..	64.01	63.91	64.94	62.34	62.82	64.12	63.69	18.5	17.2	26.1	30.4	25.5	20.9	23.1	30.9	16.6	93	98	65	51	65	82	75.7	....
24..	63.53	63.76	64.94	61.28	61.68	63.20	63.06	18.4	16.4	25.4	31.6	26.7	22.1	23.4	32.4	15.8	90	96	66	52	61	77	73.7	....
25..	62.27	63.27	64.30	61.21	61.31	63.03	62.56	19.7	17.6	27.5	32.5	28.5	24	25	33.5	17	84	94	60	42	58	75	68.8	....
26..	62.81	63.28	64.90	62.42	62.65	63.95	63.34	20.6	19	27.5	30.5	26.1	22.6	24.4	31	18	89	95	57	44	60	76	70.2	....
27..	63.53	64.05	65.09	62.26	62.64	64.41	63.66	19.5	17.5	26.1	31	27.4	21.9	23.9	32	16.4	86	93	55	37	51	76	66.3	....
28..	63.63	63.28	64.57	61.60	61.94	63.24	63.04	18.8	17.4	27	30.5	26.4	24.5	24.1	31.2	16.8	88	92	63	60	71	79	75.5	....
29..	62.16	62.91	64.48	62.15	62.37	63.28	62.89	22.2	21	26.5	30.1	27	24.2	25.2	31	19.5	89	91	76	57	68	77	76.3	....
30..	62.69	63.18	64.69	61.63	61.84	63.25	62.88	20.4	18	26.5	32.5	28.2	22.2	24.6	33.9	17	91	94	66	43	56	79	71.5	....
31..	62.26	62.59	63.51	60.76	61.17	63.21	62.25	18	15.9	26.5	32.6	26.7	23.7	23.9	33.5	15.4	90	93	62	43	64	78	71.7	....
Mean	63.16	63.58	64.63	62.06	62.54	63.93	63.32	21.3	19.9	26.9	30.8	26.9	23.6	24.9	31.7	19	89.6	93.6	70.3	55.5	67.7	82.3	76.5	....
Total	.....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	......	2.1

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction.		Amount.	Form and direction.	
															Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	E	1	Calm	....	ENE	1	E	4	E	2	N	1	1.5	9	Ci.	Cu. E	4	Ci.	Cu. E
2..	N	1	N	2	NE	2	NE	2	NE	2	NW	2	1.8	5	A.-Cu.	Cu. E	5	A.-Cu.	Cu. NE
3..	NW	1	Calm	....	N	1	E	3	E	3	Calm	....	1.3	3	Ci.	S.-Cu. E	4	Ci.	Cu. E
4..	N	1	N	1	NE	2	E	2	E	2	E	1	1.5	7	Ci.	S.-Cu. NE	6	Ci.	Cu. E
5..	N	1	N	1	NE	2	NE	2	ENE	1	NE	1	1.3	4	Ci.	Cu. E	9	Ci.	Cu.-N. E
6..	NE	1	NE	1	NE	2	NE	3	NE	2	NE	1	1.7	6	Ci.	Cu. NE	6	Ci.	Cu. ENE
7..	NE	1	NE	1	NE	1	E	4	E	3	E	1	1.8	7	Ci.	S.-Cu. E	5	Ci.	Cu. E
8..	NE	1	N	1	NE	2	E	4	E	3	E	1	2	3	Ci.	Cu. E	6	A.-Cu.	Cu. E
9..	NE	1	NE	1	NE	1	E	2	E	2	N	1	1.3	6	Ci.	S.-Cu. E	8	Ci.-S.	Cu.-N. E
10..	N	1	N	1	N	2	E	2	E	2	N	2	1.7	5	Ci.	S.	1	A.-Cu.	....
11..	N	1	N	1	N	1	E	2	E	1	N	1	1.2	2	Ci.	Cu.	1	A.-Cu.	....
12..	N	1	E	1	NE	1	SE	1	S	1	NW	2	1.2	6	Ci.	Cu. E	4	A.-Cu.	Cu.
13..	NW	1	NW	1	NE	1	NE	1	NE	2	NW	2	1.3	10	Ci.	S. NW	2	Ci.	Cu.
14..	NW	2	N	1	NE	1	E	2	E	2	N	1	1.5	3	Ci.	Cu. E	5	A.-Cu.	Cu. E
15..	N	1	N	1	E	2	E	3	E	2	N	1	1.7	6	Ci.	Cu. E	5	A.-Cu.	Cu. E
16..	N	1	NW	1	NE	1	E	3	E	3	N	1	1.7	5	Ci.	Cu. E	3	Ci.	Cu. E
17..	N	1	N	1	NE	2	E	4	E	3	N	1	2	3	Ci.	Cu. E	3	Ci.	Cu. E
18..	N	1	N	1	NE	2	E	3	E	3	NE	1	1.8	1	Ci.	....	3	A.-Cu.	Cu. E
19..	NW	1	N	1	NE	2	E	3	E	3	NE	1	1.8	4	A.-Cu.	Cu.	5	A.-Cu.	Cu. E
20..	N	1	N	1	NE	2	E	2	E	4	NE	2	2	5	Ci.	Cu. E	7	Ci.	Cu. E
21..	N	1	N	1	NW	2	E	4	E	3	NE	2	2.2	4	A.-Cu.	Cu. E	6	Ci.	Cu. E
22..	N	1	N	1	E	2	E	3	E	3	N	1	1.8	4	Ci.	Cu. E	4	A.-Cu.	Cu. E
23..	N	1	N	1	NE	2	E	4	E	3	N	1	2	2	Ci.	Cu.	1	A.-Cu.	....
24..	N	1	N	1	NE	2	NE	2	E	2	NW	2	1.7	1	Ci.	....	1	A.-Cu.	Cu.
25..	NW	1	NW	1	NW	2	N	2	NE	2	NE	2	1.7	3	Ci.	Cu.	2	A.-Cu.	Cu.
26..	NW	1	NW	1	NE	2	E	4	E	4	NE	1	2.2	1	Ci.	Cu.	3	A.-Cu.	Cu. E
27..	N	1	N	1	N	2	E	4	E	4	N	2	2.3	2	Ci.	Cu.	1	A.-Cu.	Cu. E
28..	N	1	N	1	NE	3	E	3	E	4	E	2	2.3	2	Ci.	Cu. NE	8	Ci.	Cu.-N. E
29..	N	1	NE	1	E	3	E	4	E	3	NW	1	2.2	6	Ci.	Cu. E	3	A.-Cu.	Cu. E
30..	NW	1	NW	1	NW	2	NE	2	E	3	N	1	1.7	4	Ci.	S.	3	A.-Cu.	Cu. E
31..	N	1	N	1	N	1	NE	2	NE	1	NW	1	1.2	3	Ci.	S.	2	A.-Cu.	Cu. E
Mean	......	1	......	1	......	1.7	......	2.8	......	2.5	......	1.3	1.7	4.3	....	....	4.1	....	....

SAN ISIDRO, NUEVA ECIJA

[ϕ=15° 19′ N; λ=120° 55′ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	62.65	62.97	63.67	61.25	62.26	63.41	62.70	21	18.9	29.2	32	27.7	23	25.3	32.9	18.4	91	95	59	52	62	83	73.7	......
2..	63.01	63.86	64.64	62.38	63.07	64.35	63.55	20.8	18.7	29	31.8	27.4	23	25.1	32.9	17.9	91	97	62	55	60	77	73.7	......
3..	63.81	64.83	65.54	62.88	63.49	64.65	64.20	21	19	27.6	30.6	26.9	22.9	24.7	31.6	18.4	91	95	63	52	57	74	72	......
4..	64.67	65.48	66.56	63.57	64.80	66.17	65.21	20	17.7	27.7	31.6	26.6	23.9	24.6	32.8	17	91	95	62	48	62	74	72	......
5..	65.19	66.22	66.78	63.96	65.72	66.61	65.75	21.8	20	28.5	30	25.5	23	24.8	32.1	19.4	87	91	55	53	65	78	71.5	......
6..	65.89	67.16	67.96	64.72	65.49	66.31	66.26	22.5	21.9	27.3	30.7	26.6	22.6	25.3	31.1	21.2	80	83	66	50	58	78	69.2	......
7..	65.37	66.43	67.08	64	65.17	65.73	65.63	20.5	19	27.5	31.1	27.5	24.6	25	32.4	18.3	86	94	62	49	53	74	69.7	......
8..	64.94	65.76	66.33	63.77	64.18	64.79	64.96	24	23	28.5	30.5	26.9	25.2	26.4	32.1	22.6	75	83	63	54	65	74	69	......
9..	63.92	64.85	65.87	63.31	63.93	64.59	64.41	22.5	21.1	28.2	31.5	26.5	23.1	25.5	32.4	20	87	90	60	44	60	75	69.3	......
10..	64.01	64.61	65.23	62.23	62.87	64.89	63.97	20	18.6	28.8	32.4	26.7	23.6	25	32.6	17.4	91	90	54	41	55	71	67	......
11..	64.43	64.67	65.08	62.30	62.88	65.14	64.08	19.8	17.5	28.6	32.4	27	23.4	24.8	33	17	90	91	51	37	53	70	65.3	......
12..	63.93	63.90	64.64	61.68	62.33	63.52	63.33	19.5	18.2	29	31.5	26.5	25.9	25.1	32.5	17.6	86	90	55	51	73	73	71.3	......
13..	62.64	63.11	64.47	61.89	61.97	63.67	62.96	23.6	22.6	29.5	32	26.6	24	26.4	33.1	21.8	82	86	61	55	65	79	71.3	......
14..	63.04	63.19	64.14	62.45	62.72	64.02	63.26	23.6	22.5	29.4	30.2	27.5	24.6	26.3	31.5	21.8	82	87	59	56	66	71	70.2	......
15..	63.49	64.03	64.43	62.41	63.08	64.64	63.68	21.1	19.6	28.6	31.8	27	23.7	25.3	33.1	19.4	86	90	60	52	64	81	72.2	......
16..	63.61	63.59	63.83	60.60	61.09	62.57	62.55	21.6	21	28.1	33.7	27.6	24	26	35.1	20.5	89	91	66	43	73	85	74.5	......
17..	61.86	62.15	62.59	59.62	59.72	61.54	61.25	22	20.6	27.1	31.8	28.7	24.1	25.7	33.9	20.2	91	94	65	45	59	79	72.2	......
18..	60.68	61.50	61.97	59.66	60.41	61.86	61.01	21.8	21	28.4	31	25.8	24.6	25.4	32.8	20.5	89	91	62	48	70	74	72.3	......
19..	61.36	62.34	62.96	59.82	60.33	61.97	61.46	22.8	21	29.5	32.5	27	25	26.3	33.5	20.4	84	91	55	47	63	73	68.8	......
20..	61.89	62.62	62.82	59.96	60.15	61.12	61.43	22.2	22.4	27.5	29.4	26.8	25	25.6	30.9	21.5	91	89	68	62	71	76	76.2	......
21..	60.68	61.74	62.73	59.30	59.10	60.49	60.67	22.2	20.6	28	34.7	31.5	25.6	27.1	35.4	20	89	91	69	41	49	76	69.2	......
22..	59.88	60.29	61	58.31	58.72	60.09	59.72	22.6	20.6	28.1	34.7	30.5	26.8	27.2	35.5	20	88	95	65	42	58	71	69.8	......
23..	60.06	60.68	61.47	58.73	58.76	61.14	60.14	24.6	23.5	29.4	33.6	31.4	26.2	28.1	35.6	22.6	82	89	62	42	48	75	66.3	......
24..	60.93	61.56	62.24	59.26	59.47	61.62	60.85	23.8	22.6	30	34	30.5	24.8	27.6	34.7	21.8	85	91	57	41	52	82	68	......
25..	60.66	61.71	62.53	59.83	60.59	62.08	61.23	23.6	22.5	28.6	31.5	26.3	24.5	26.2	32.5	21.6	86	91	59	49	67	71	70.5	......
26..	61.79	62.57	63.48	61.25	61.54	63.08	62.28	22.2	20	28.2	31.1	26.2	24.1	25.3	32	19.7	84	89	53	44	62	74	67.7	......
27..	62.41	62.98	63.88	61.42	60.87	62.83	62.40	20.5	18.9	29	32	27.4	24.5	25.4	33.4	18.2	91	91	50	40	56	66	65.7	......
28..	62.49	62.75	63.70	60.96	60.34	62.44	62.11	21.6	19.5	27.6	33.1	28.2	23.2	25.5	33.4	18.9	86	91	59	35	50	76	66.2	......
Mean	62.83	63.48	64.20	61.48	61.97	63.40	62.89	21.9	20.4	28.5	31.9	27.5	24.2	25.8	33	19.8	86.8	90.8	60.1	47.4	60.6	75.4	70.2	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	0

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	N	1	N	1	E	2	E	2	E	2	N	1	1.5	5	Ci.	S.	5	A.-Cu.	Cu. E
2..	N	1	NW	1	NE	2	E	3	E	2	N	1	1.7	3	Ci.	S.	4	A.-Cu.	Cu. E
3..	N	1	N	1	NE	2	E	4	E	2	NW	1	1.8	2	Ci.	Cu.	2	A.-Cu.	Cu. E
4..	NW	1	N	1	NE	1	E	3	E	3	NE	1	1.7	2	Ci.	....	3	Ci.	Cu.
5..	N	1	Calm	....	NE	3	E	4	E	3	NE	2	2.2	2	Ci.	Cu.	6	Ci.	Cu. E
6..	NE	2	N	1	E	4	ESE	4	ESE	4	N	1	2.7	6	Ci.	Cu. ENE	5	Ci.	Cu. E
7..	NW	1	N	1	N	2	E	5	ESE	5	E	1	2.5	5	Ci.	Cu. NE	3	A.-Cu.	Cu. E
8..	N	1	N	1	E	1	E	4	E	3	NE	2	2	6	Ci.	Cu. E	7	Ci.	Cu. E
9..	N	1	Calm	....	NE	2	E	5	E	4	N	1	2.2	6	Ci.	Cu. E	2	A.-Cu.	Cu. E
10..	N	1	N	1	E	4	E	4	E	4	E	2	2.7	2	Ci.	S.	2	A.-Cu.	Cu. E
11..	N	1	N	1	E	2	E	4	E	4	NE	1	2.2	1	Ci.	S.	2	A.-Cu.	Cu.
12..	N	1	N	1	E	1	E	4	E	3	E	3	2.2	2	Ci.	S.	2	A.-Cu.	Cu.
13..	N	1	N	1	E	3	E	3	E	2	NE	1	1.8	5	Ci.	Cu. E	6	A.-Cu.	Cu. E
14..	N	1	N	1	E	5	ESE	4	ESE	3	N	1	2.5	6	Ci.	Cu. E	7	A.-Cu.	Cu. E
15..	Calm	....	N	1	NE	3	E	4	ESE	4	E	1	2.2	2	Ci.	Cu.	2	A.-Cu.	Cu.
16..	NW	1	Calm	....	N	2	N	2	NW	4	N	2	1.8	6	Ci.	S.-Cu. N	2	Ci.	Cu.
17..	N	1	Calm	....	NE	2	NE	2	NW	3	NW	3	1.8	4	Ci.	S.	4	A.-Cu.	Cu.
18..	NW	1	Calm	....	E	3	E	4	E	2	N	1	1.8	4	Ci.	Cu.	3	Ci.	Cu.-N.
19..	N	1	N	1	NE	1	E	3	E	2	N	1	1.5	3	Ci.	S.-Cu.	5	Ci.	Cu. E
20..	N	1	Calm	....	E	3	SE	2	SE	2	Calm	....	1.3	8	Ci.	S.-Cu. E	7	Ci.	Cu.-N.
21..	N	1	Calm	....	NE	2	S	2	S	1	Calm	....	1	3	Ci.	S.	4	A.-Cu.	Cu.
22..	N	1	Calm	....	N	1	E	2	E	3	NE	2	1.5	8	Ci.	S.	3	A.-Cu.	Cu.
23..	N	1	Calm	....	N	1	NE	1	E	2	N	1	1	5	Ci.	S.-Cu.	5	A.-Cu.	Cu. E
24..	N	1	Calm	....	E	2	N	2	NE	2	NE	1	1.3	4	Ci.	Cu.	5	A.-Cu.	Cu. NE
25..	N	1	Calm	....	N	2	ESE	4	ESE	5	E	4	2.7	4	Ci.	S.	5	Ci.	Cu. E
26..	NE	2	Calm	....	NE	3	E	3	E	4	E	1	2.2	4	Ci.	Cu.	5	Ci.	Cu. E
27..	N	1	NW	1	E	2	E	3	E	4	N	1	2	4	Ci.	S.-Cu.	4	Ci.	Cu. E
28..	N	1	N	1	N	1	NE	2	E	3	NE	1	1.5	5	Ci.	....	4	Ci.	Cu.
Mean	......	1	......	0.6	......	2.2	......	3.2	......	3	......	1.4	1.9	4.2	....	....	4.1	....	....

SAN ISIDRO, NUEVA ECIJA

[$\phi = 15°$ 19′ N ; $\lambda = 120°$ 55′ E ; barometer above sea, 20 meters ; gravity correction not applied, —1.69 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.71	62.32	63.06	60.42	60.38	61.96	61.64	21.2	19.5	28.8	32	27.7	23.8	25.5	33	18.7	84	89	59	46	58	77	68.8	....
2..	61.55	61.87	62.84	60.64	60.87	62.67	61.74	21.2	19.1	29.4	33.8	27.2	25	26	34	18.6	89	90	53	44	61	64	66.8	....
3..	62.36	62.82	64.14	61.92	62.08	63.12	62.74	22.7	18.6	29.2	31.8	27.2	25.6	25.8	32.8	18.3	78	92	53	47	59	65	65.7	....
4..	62.71	63.17	64.24	62.05	62.22	63.22	62.94	21.8	19.7	29.2	32	28.1	25.1	26	33.2	19.4	80	88	57	45	54	67	65.2	....
5..	62.69	63.23	64.08	61.72	61.57	63.20	62.75	21	19	28.9	32.6	28.6	22.6	25.4	33.5	18.6	82	90	58	36	44	68	63	....
6..	62.61	62.88	63.53	61.32	61.33	62.89	62.43	20.5	18.1	28.8	33.1	29	24	25.6	34	17.5	77	89	57	37	46	69	62.5	....
7..	62.29	62.98	63.51	61.55	61.84	62.99	62.53	21.8	19.5	29.1	32.5	27.6	23.8	25.7	33.5	18.9	82	86	60	46	53	72	66.5	....
8..	62.26	62.80	63.57	61.35	61.36	62.72	62.34	20.8	18.7	29.5	32.4	27.9	26	25.9	32.9	18	87	89	49	41	51	66	63.8	....
9..	62.09	61.99	62.98	61.07	61.54	62.72	62.06	21.6	20.2	30.2	32.8	28	26.2	26.5	33.2	19.5	86	83	59	54	65	69	69.3	....
10..	61.84	62.76	63.88	61.32	61.22	62.72	62.29	24	22	30.1	32.5	28.2	27	27.3	33.3	21.4	77	87	60	47	60	67	66.3	....
11..	62.50	62.82	63.83	61.06	61.19	62.82	62.37	23.5	21.9	29.9	33	28	25.8	27	33.6	21.1	80	85	54	47	60	70	66	....
12..	62.26	63.30	64.53	61.47	60.82	62.93	62.55	22.7	20.7	30	32	29.6	25.6	26.8	34	20.4	85	89	56	52	58	69	68.2	....
13..	61.96	62.97	64.13	61	60.87	62.59	62.25	24.2	21.7	29.5	34	29.5	26	27.5	34.7	21	74	87	59	45	58	72	65.8	....
14..	61.64	62.49	63.93	61.40	61.52	63.25	62.37	24	21.5	30.5	34.1	28.8	24.5	27.2	34.2	20.6	78	88	56	38	53	71	64	....
15..	62.29	62.96	64.26	60.99	61.05	62.72	62.38	22	20.4	29	34	31	26.5	27.2	36	19.8	82	87	60	39	53	68	64.8	1.5
16..	62.02	62.81	63.57	60.90	60.84	62.62	62.13	24.5	22.9	30.9	33.6	28.5	25.5	27.6	34.2	22.4	79	90	51	37	48	65	61.7	....
17..	62	62.65	64.01	61.26	61.58	63.38	62.48	23	19.4	29.1	34.1	28.5	24.1	26.4	35	18.6	78	90	53	31	48	67	61.2	....
18..	62.30	62.99	63.98	61.51	61.85	64.09	62.79	23	20.1	29.8	34.5	29.2	25.8	27.1	35.1	19.5	70	84	55	40	57	70	62.7	....
19..	62.80	63.72	64.93	62.07	62.05	63.77	63.22	22.8	21	29.8	34.2	29.8	27	27.4	34.9	20.4	84	87	57	46	56	70	66.7	....
20..	62.55	63.31	64.12	61.64	61.43	62.43	62.58	25.5	23.2	30.4	32.7	28.9	26.5	27.9	33.7	22.5	72	86	58	48	58	70	65.3	....
21..	61.44	61.74	62.69	60.06	59.91	61.87	61.28	24.6	22.5	30.2	34.4	31.6	27.2	28.4	36	21.9	79	87	60	45	52	68	65.2	....
22..	61.12	61.46	62.11	59.34	59.22	61.24	60.75	25	23.5	31.4	35	33.5	28.6	29.5	36.8	23	76	85	55	44	48	66	62.3	....
23..	60.89	61.53	62.21	59.12	59.07	61.29	60.68	26	25.1	31.6	36.6	33.4	28	30.1	38	24	76	80	57	38	46	77	62.3	....
24..	60.80	61.31	61.82	58.95	59.04	61.07	60.50	25.4	23.5	30.9	35	32	28.8	29.3	36	22.6	80	85	62	43	54	69	65.5	....
25..	60.19	61.02	62	59.13	59.40	62.09	60.64	28	24.7	31.4	36	31.6	27.1	29.8	36.8	24.2	71	86	52	39	46	64	59.7	....
26..	61.62	62.28	62.83	60.14	60.52	61.79	61.53	25	23.6	32.4	33.6	28.6	26.4	28.3	34	23	76	78	47	37	51	62	58.5	....
27..	61.13	61.61	62.37	59.59	59.44	61.62	60.96	22.5	20.5	31	34.4	29	26.5	27.3	35.2	19.5	78	86	50	46	58	69	64.5	....
28..	60.84	61.80	62.42	59.22	59.55	61.94	60.96	25.4	22.1	30.5	35.7	30.8	26.8	28.6	36.4	21.7	73	87	55	37	49	69	61.7	....
29..	60.92	61.31	62.17	59.99	59.73	62.07	61.03	25	24.1	30.4	32.9	29.7	27.2	28.2	34.7	23.4	77	82	58	48	57	68	65	....
30..	60.21	60.48	61.50	58.86	58.78	60.99	60.14	26.7	23.6	31.1	33.4	29.5	28	28.7	34.4	23.2	71	80	53	45	56	63	61.3	....
31..	59.94	60.01	60.65	57.58	58.24	60.68	59.52	24.8	23.5	30.5	35.5	30.5	25.1	28.3	36.6	23	80	87	54	41	63	88	68.8	....
Mean	61.73	62.30	63.22	60.60	60.66	62.43	61.82	23.6	21.4	30.1	33.7	29.4	26	27.4	34.6	20.8	78.7	86.4	55.7	42.9	54.2	69	64.5	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.5

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	NE	1	NE	1	E	2	E	3	E	3	Calm	....	1.7	3	Ci.	S.-Cu.	3	A.-Cu.	Cu. E
2..	N	1	Calm	....	NE	2	E	2	E	2	E	1	1.3	3	Ci.	Cu.	3	A.-Cu.	Cu. E
3..	E	2	NE	1	NE	1	ESE	5	ESE	4	E	4	2.8	4	Ci.	S.-Cu.	4	Ci.	Cu. E
4..	NE	1	NE	1	E	4	E	4	E	4	E	2	2.7	5	Ci.	Cu. E	2	Ci.	Cu. E
5..	NE	1	Calm	....	NE	2	E	3	E	2	NE	1	1.5	2	Ci.	S.-Cu.	2	A.-Cu.	Cu.
6..	N	1	Calm	....	E	2	E	3	E	2	NE	1	1.5	2	Ci.	Cu.	1	A.-Cu.	....
7..	N	1	NE	1	E	4	E	5	E	4	N	1	2.7	4	Ci.	Cu. NE	3	Ci.	Cu. E
8..	N	1	N	1	E	5	ESE	6	ESE	5	E	4	3.7	3	Ci.	Cu. NE	2	A.-Cu.	Cu. E
9..	N	1	NE	1	E	4	E	4	E	4	E	1	2.5	2	Ci.	Cu.	3	Ci.	Cu. E
10..	Calm	....	Calm	....	NE	3	E	4	E	4	E	4	2.5	6	Ci.	Cu. E	6	A.-Cu.	Cu. E
11..	N	1	N	1	NE	3	E	4	E	4	E	2	2.5	5	Ci.	Cu. NE	2	A.-Cu.	Cu.
12..	N	1	Calm	....	E	2	E	3	E	3	NE	1	1.7	2	Ci.	Cu.	4	Ci.	Cu.
13..	N	1	NE	1	N	2	E	3	E	3	E	1	1.8	4	Ci.	Cu.	4	A.-Cu.	Cu.
14..	N	1	N	1	E	4	ESE	4	ESE	3	N	1	2.3	2	Ci.	Cu.	3	A.-Cu.	Cu.
15..	N	1	N	1	NE	2	NE	1	N	4	Calm	....	1.5	2	Ci.	....	4	A.-Cu.	Cu. E
16..	Calm	....	Calm	....	NE	3	E	4	E	4	Calm	....	1.8	2	Ci.	....	1	A.-Cu.	Cu.
17..	N	2	N	1	N	2	NE	3	NE	2	NE	2	2	1	Ci.	Cu.	2	A.-Cu.	....
18..	NE	1	NW	1	NE	2	E	3	E	3	E	2	2	1	....	Cu.	2	A.-Cu.	Cu.
19..	N	1	N	1	ENE	2	SE	2	SE	2	NE	1	1.5	2	Ci.	S.-Cu.	5	Ci.	Cu.
20..	N	1	Calm	....	E	3	E	4	E	4	NE	1	2.2	8	Ci.	Cu. NE	6	Ci.	Cu. E
21..	NE	1	Calm	....	NE	1	S	3	E	2	E	1	1.3	5	Ci.	Cu. E	4	Ci.	Cu.
22..	N	1	Calm	....	E	1	E	2	S	2	Calm	....	1	2	Ci.	....	5	A.-Cu	Cu. E
23..	NE	1	Calm	....	NE	2	ESE	3	S	3	N	2	1.8	7	Ci.	Cu. E	4	A.-Cu.	Cu.
24..	N	1	Calm	....	NE	1	E	1	E	2	Calm	....	.8	2	Ci.	Cu.	6	Ci.	Cu. E
25..	Calm	....	Calm	....	E	2	E	3	E	3	NE	4	2	6	Ci.	Cu. E	2	A.-Cu.	Cu.
26..	NE	1	Calm	....	E	4	E	6	ESE	5	NE	1	2.8	3	Ci.	Cu. E	2	A.-Cu.	Cu.
27..	N	1	NW	1	NE	3	E	4	E	4	E	2	2.5	2	....	S.-Cu.	3	A.-Cu.	Cu.
28..	NE	3	N	1	E	2	E	3	E	4	NE	2	2.5	1	Ci.	Cu.	4	A.-Cu.	Cu.
29..	NE	1	Calm	....	E	2	E	3	E	3	Calm	....	1.5	4	A.-Cu.	Cu. E	6	A.-Cu.	Cu.
30..	Calm	....	Calm	....	E	3	E	4	E	3	NE	1	1.8	3	Ci.	Cu.	3	Ci.	Cu.
31..	N	1	NW	1	NE	1	NW	3	NW	3	E	2	1.8	6	Ci.	Cu.	5	Ci.	Cu.-N.
Mean	......	1	......	0.5	......	2.5	......	3.4	......	3.2	......	1.5	2	3.4	....	....	3.4	....	....

SAN ISIDRO, NUEVA ECIJA

[φ=15° 19′ N; λ=120° 55′ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.11	60.59	61.51	58.76	58.65	61.82	60.24	24.8	25	31.6	36.9	33.5	27	29.8	37.4	24.2	88	88	60	41	51	80	68	10.9
2..	61.01	61.40	62.58	59.61	60.56	62.24	61.23	24	23.8	28.8	34.4	30.6	25	27.8	34.9	23.4	97	97	76	52	58	94	79	15.7
3..	60.99	61.13	61.94	58.65	58.17	60.84	60.29	24.8	24.6	29.6	33.9	30.7	27.2	28.5	34.4	24	95	95	67	54	59	80	75	.5
4..	60.07	60.19	61.54	58.78	58.83	61.45	60.14	25.2	24.6	30.5	34	30.5	25.5	28.4	34.8	24	93	95	63	48	60	89	74.7	......
5..	61.05	61.34	62	59.13	59.80	62.14	60.91	25.5	24.6	31	36.4	31	27.8	29.4	37	24.4	89	95	59	39	65	79	71	......
6..	61.19	61.50	62.43	59.60	59.96	62.06	61.12	26	25.5	31	34.1	31	28.5	29.4	36.6	24.9	88	88	59	49	56	69	68.2	......
7..	61.27	61.72	62.05	59.07	59.42	61.12	60.78	27.5	25.5	31.3	34.6	30.2	27	29.4	35.4	24.7	77	92	58	51	61	74	68.8	......
8..	59.91	60.42	60.96	58.20	58.52	60.59	59.77	27	25.2	31.9	34.5	30.7	27	29.4	35.6	24.4	72	85	57	49	57	70	65	......
9..	59.42	59.69	60.41	57.50	58	59.77	59.13	26.8	24.9	32	36.4	30.8	28	29.8	37.4	24.4	74	88	57	45	64	70	66.3	......
10..	58.35	59.19	60.10	57.28	57.96	59.94	58.80	27	25	32.9	34.9	30.2	28.5	29.8	35.9	24.4	74	88	61	54	68	70	69.2	......
11..	58.94	59.38	60.11	57.97	58.33	60.40	59.19	25	24	32	26.8	27.5	25	26.7	34	23.6	92	97	63	94	88	92	87.7	14.5
12..	59.42	59.43	60.19	57.30	57.93	59.82	59.02	24.5	24	30.8	34.6	29.9	28	28.6	35.6	23.4	96	97	73	55	65	70	76	......
13..	59.09	59.50	60.50	57.35	57.76	60.19	59.06	24.8	23.5	31.4	34.5	30.9	27	28.7	36.1	23	85	92	61	48	60	72	69.7	......
14..	59.64	60.08	60.78	58.29	58.26	61.27	59.72	24.8	23.1	31.6	36.2	32	27.1	29.1	37.1	22.6	85	94	59	47	60	77	70.3	......
15..	60.21	60.80	61.02	58.64	58.86	61.29	60.14	26	24.8	32.7	34.6	32.8	28.5	29.9	37	24.1	82	90	60	54	57	74	69.5	.5
16..	60.44	61.18	60.80	58.33	58.42	60.15	59.89	26.8	26.1	32.6	36	31.5	27.4	30.1	37	25.7	86	93	59	35	46	64	63.8	......
17..	59.76	60.06	60.96	58.02	58	60.08	59.48	23.6	21.5	31.9	36.1	32.2	27.6	28.8	36.9	21.2	86	92	55	38	56	71	66.3	......
18..	58.99	59.65	60.60	57.64	57.50	60.27	59.11	24.8	23.6	32.4	36	32.2	28.2	29.5	36.5	22.7	87	93	58	42	50	66	66	......
19..	59.91	60.78	61.35	59.48	59.60	61.74	60.48	26	24.2	33	36.3	31	26	29.4	36.5	23.1	76	86	48	36	44	70	60	......
20..	61.31	61.65	62.32	60.08	60.10	62.27	61.29	23.4	21.5	32.9	35.2	30.6	26.4	28.3	36	20.8	83	91	47	36	45	66	61.3	......
21..	61.79	62.45	62.18	59.12	59.40	61.68	61.10	22.8	21.2	32	35.7	31.1	26.1	28.2	36	20.4	88	91	48	38	45	65	62.5	......
22..	61.02	61.35	61.14	58.52	58.59	61.28	60.32	25.5	22	32.8	37.3	31.8	27.6	29.5	37.6	21.4	72	86	45	36	50	68	59.5	......
23..	60.96	61.46	61.62	59.32	59.45	61.63	60.74	24.6	23	33.1	36.4	32	28.1	29.5	37.1	22.6	83	91	50	38	42	65	61.5	......
24..	60.81	61.84	62.22	59.68	59.40	62.04	61	25.5	23.5	32.5	35.6	31.6	28	29.4	36.5	22.8	75	87	55	33	42	66	59.7	......
25..	60.82	61.68	61.55	59.03	58.90	61.37	60.56	26.8	23.5	33.5	35.4	31	27.9	29.7	36.5	22.6	67	84	48	40	48	68	59.2	......
26..	60.06	60.58	60.81	57.69	58.12	60.51	59.63	25	23.6	33.2	35.5	32	29.1	29.7	37	22.9	80	85	51	42	52	65	62.5	......
27..	59.69	60.11	59.90	56.86	56.96	59.21	58.79	26.6	24.4	33.1	36.7	32.7	29.6	30.5	37.9	23.8	80	88	53	39	45	56	60.2	......
28..	58.79	59.40	59.45	56.62	56.83	59.74	58.47	26.8	24.6	35.4	37.5	34	29.2	31.2	38.6	23.8	71	82	50	39	51	66	59.8	......
29..	58.91	59.74	59.82	57.38	58.05	60.49	59.06	26	26	33.4	36.6	31.2	27.8	30.2	37.6	25.4	80	80	59	38	58	71	64.3	......
30..	59.79	60.46	60.54	57.88	58.12	59.92	59.45	26.2	23.5	34	36.2	30.8	27.7	29.7	37	23.1	75	87	51	40	51	67	61.8	......
Mean	60.12	60.62	61.11	58.39	58.62	60.91	59.96	25.5	24	32.2	35.3	31.3	27.5	29.3	36.5	23.4	82.5	89.9	57	45	55.1	71.8	66.9	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	42.1

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
														Amount.	Form and direction.		Amount.	Form and direction.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.			Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	N	1	N	1	SW	2	SW	2	N	2	N	4	2	9	Ci.	Cu.-N.	5	Ci.	Cu.
2..	N	2	N	2	N	1	NE	3	NW	2	E	2	2	4	Ci.	Cu.-N.	3	A.-Cu.	Cu.-N.
3..	N	1	Calm	....	E	2	E	2	E	1	E	1	1.2	9	Ci.-S.	S.-Cu.	3	Ci.	Cu.
4..	N	1	Calm	....	NW	1	E	3	E	2	NE	2	1.5	5	Ci.	S.-Cu.	5	Ci.	Cu. E
5..	Calm	....	NE	1	E	2	S	2	NW	4	NW	2	1.8	7	Ci.	S.-Cu. E	4	Ci.	Cu.
6..	N	1	Calm	....	NE	2	S	2	E	2	E	2	1.5	5	Ci.	S.-Cu. E	5	Ci.	Cu.
7..	E	2	Calm	....	E	3	ENE	2	E	3	E	2	2	5	A.-Cu.	Cu.	5	Ci.	Cu. E
8..	NE	2	Calm	....	E	3	E	2	E	2	E	2	2	2	A.-Cu.	S.-Cu.	5	A.-Cu.	Cu. E
9..	NE	2	Calm	....	NE	2	E	2	E	3	E	2	1.8	3	Ci.	Cu.	6	A.-Cu.	Cu.-N.
10..	E	2	Calm	....	E	3	E	4	E	2	NE	1	2	6	Ci.	Cu. E	6	Ci.	Cu.-N. E
11..	N	2	Calm	....	E	2	SW	3	Calm	....	Calm	....	1.2	4	Ci.	Cu.	9	Ci.-S.	Cu.-N.
12..	N	1	N	1	E	1	SE	3	E	2	E	1	1.5	3	Ci.	Cu.-N.	5	A.-Cu.	Cu.-N.
13..	N	1	Calm	....	SE	2	E	2	E	3	N	1	1.5	2	Ci.	S.-Cu.	4	A.-Cu.	Cu. E
14..	N	1	N	1	NE	3	ESE	2	E	2	N	2	1.8	3	Ci.	S.-Cu.	5	Ci.	Cu. ESE
15..	N	1	Calm	....	ESE	1	E	1	E	2	E	1	1	3	Ci.	Cu.	5	Ci.	Cu.-N.
16..	Calm	....	Calm	....	E	2	SE	4	SE	3	E	3	2	9	Ci.	Cu.-N.	3	A.-Cu.	Fr.-Cu.
17..	N	1	N	1	N	1	E	2	E	2	E	1	1.3	1	Ci.	....	2	A.-Cu.	Cu. E
18..	N	1	Calm	....	SE	2	ESE	2	E	2	E	1	1.3	2	Ci.	Cu.	4	Ci.	Cu. E
19..	E	1	N	1	E	3	E	4	E	3	E	2	2.3	3	Ci.	Cu.	2	A.-Cu.	Cu.
20..	N	1	N	1	E	3	E	3	E	3	NE	1	2	0	....	....	2	Ci.	Cu.
21..	N	1	N	1	E	4	E	2	E	3	NE	3	2.3	1	Ci.	Cu.	2	Ci.	Cu.
22..	NE	2	N	1	E	2	E	2	E	2	E	2	1.8	2	Ci.	....	2	Ci.	Cu.
23..	N	1	N	1	E	2	E	3	E	3	Calm	....	1.7	2	Ci.	Cu.	4	A.-Cu.	Cu. E
24..	N	1	Calm	....	E	3	E	2	E	3	NE	2	1.8	3	Ci.	Cu.	2	A.-Cu.	Cu. E
25..	NE	1	NE	1	E	3	E	4	E	4	Calm	....	2.2	1	Ci.	S.-Cu.	3	A.-Cu.	Cu.
26..	N	1	N	1	NE	3	NE	2	E	2	E	1	1.7	2	Ci.	Cu.	5	Ci.	Cu. E
27..	Calm	....	Calm	....	E	3	E	2	E	3	E	2	1.7	2	Ci.	....	4	A.-Cu.	Cu. E
28..	E	1	Calm	....	E	2	E	2	E	2	NE	2	1.5	2	Ci.	Cu.	5	Ci.	Cu. E
29..	N	1	Calm	....	NE	2	E	3	E	3	E	1	1.7	5	Ci.	Cu. E	4	A.-Cu.	Cu.
30..	N	1	N	1	E	4	E	4	E	4	E	1	2.5	3	Ci.	S.-Cu.	2	Ci.	Cu.
Mean	......	1.1	......	0.5	......	2.3	......	2.5	......	2.5	......	1.6	1.8	3.6	....	....	4	....	....

SAN ISIDRO, NUEVA ECIJA

[ϕ=15° 19′ N; λ=120° 55′ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.76	60.41	60.31	58.10	57.90	60	59.41	24.2	22.6	31.6	35	31.7	28	28.8	35.9	21.7	82	86	59	39	54	68	64.7	....
2..	60.07	60.45	60.21	57.78	58.08	60.82	59.57	25.6	24	33.2	37.4	32.8	29.5	30.4	37.7	23.4	79	88	54	42	54	64	63.5	....
3..	60.02	60.15	60.54	58.32	58.83	60.74	59.77	26.8	24.5	34.1	35	30.4	28.5	29.9	36.2	23.8	74	84	49	42	59	67	62.5	....
4..	60.01	60.32	60.45	58.62	59.07	60.84	59.88	26	24.4	33.4	35.6	31	28.5	29.8	36	23.9	78	83	52	46	56	63	63	....
5..	60.61	61.16	61.80	59.86	60.27	61.26	60.83	25.4	24	32.5	34.2	30.5	28.6	29.2	35.5	23.5	80	86	54	47	57	63	64.5	....
6..	60.81	61.16	61.56	59.59	59.55	60.69	60.56	25.5	24.5	30.2	35.3	30.5	28.5	29.1	35.8	23.9	80	79	74	44	56	66	66.5	0.3
7..	60.09	60.68	60.77	58.18	58.05	59.66	59.57	27.4	24	33.5	36.4	31.6	29	30.3	36.9	23.4	70	86	48	43	53	67	61.2	....
8..	59.01	59.72	59.63	57.75	58.55	60.52	59.20	26.2	24.3	33.9	36.5	32	29.2	30.4	37.5	23.6	78	84	46	37	48	66	59.8	....
9..	58.89	59.99	60.26	57.77	57.79	60.12	59.14	27.2	25.4	32.9	36.4	32	29.2	30.5	36.6	24.5	75	84	56	42	55	70	63.7	....
10..	58.95	59.35	59.77	56.61	57.48	58.76	58.49	27.2	26.4	33.2	37	32.5	25.6	30.3	37.6	25	77	81	49	39	55	91	65.3	3.3
11..	57.94	58.59	58.92	55.94	56.75	59.03	57.86	25	24.5	32.9	36	32	28	29.7	37.5	23.7	95	96	57	42	63	85	73	1.8
12..	57.91	58.49	58.92	56.09	57.03	59.19	57.94	26	25.6	33	35.1	27.7	28	29.2	35.5	24.9	92	92	61	52	90	85	78.7	5.1
13..	57.97	58.72	58.80	56.48	57.12	59.77	58.14	26	25.6	32.9	34.8	28.5	25.8	28.9	37	24.2	92	93	64	55	81	89	79	7.6
14..	59.23	58.96	59.16	56.29	56.75	59.09	58.25	24.5	24.2	30.1	35.4	32.8	26.4	28.9	36.1	23.5	96	97	80	53	58	94	79.7	....
15..	58.14	57.85	58.45	55.92	56.98	58.10	57.57	25.4	24.4	32	35.6	26.5	26.6	28.4	37.2	23.5	93	95	66	50	87	92	80.5	2.8
16..	57.09	57.16	58.07	55.67	56.50	58.26	57.12	25.6	24.6	32.4	37.2	31.9	26.9	29.8	37.2	24	95	97	68	46	58	81	74.2	....
17..	57.30	57.42	58.08	55.16	56.62	57.92	57.08	25.8	24.8	31.6	37.7	28.6	27.8	29.4	37.9	23.9	92	93	66	40	76	80	74.5	....
18..	56.91	57.26	57.69	55.31	55.70	58.11	56.83	26	24.8	32.9	37.7	33.6	29.1	30.7	38.1	24.2	85	92	58	36	47	70	64.7	....
19..	57.09	57.46	57.73	55.43	57.47	59.79	57.50	27.4	26.3	34.1	35	28.9	26.9	29.8	36.6	25	81	86	53	49	73	81	70.5	8.1
20..	57.81	58.64	59.26	57.18	57.67	59.54	58.35	25.2	25	30.4	35.3	31.1	28	29.2	35.6	24.4	94	95	72	52	64	83	76.7	....
21..	59.02	59.24	59.60	57.18	57.84	59.99	58.81	27	26.1	31.1	36.1	31	28	29.9	37.2	25.7	89	94	69	55	65	82	75.7	....
22..	58.71	59.09	59.30	56.55	58.57	59.72	58.66	26.4	25.6	32.1	37.1	24	25.4	28.4	37.7	23.6	89	91	63	46	96	97	80.3	49.8
23..	58.76	59.07	59.49	56.73	58.08	59.19	58.55	24.8	25	30.9	35.5	27.4	27	28.4	35.6	24.4	97	96	72	53	86	90	82.3	....
24..	58.32	58.82	58.92	56.67	58.97	59.14	58.47	25.5	25.1	31.8	35	28	27	28.7	36	24.6	96	98	67	51	77	84	78.8	....
25..	58.70	59.07	59.78	56.94	58.06	59.19	58.62	26.5	26.5	30.9	35.4	28.6	27.5	29.2	35.7	25.4	92	92	69	52	80	85	78.3	3.8
26..	58.06	58.06	58.32	56.22	56.82	58.30	57.63	26.2	25.6	31.6	34.6	29.1	27.6	29.1	35.7	25	94	95	63	56	71	84	77.2	....
27..	57.21	57.29	57.33	55.35	56.22	57.71	56.85	26.6	25.8	32.3	33.3	27.4	26.5	28.6	36.6	25	90	95	67	59	84	91	81	1
28..	56.74	56.82	57.56	54.98	56.05	57.45	56.60	26.2	26	31	34.8	27	26.6	28.6	35	25.2	92	92	72	58	80	87	80.2	1
29..	56.82	57.01	57.58	56.29	57.20	59.15	57.34	25.6	24.9	31.6	26	26.8	24.5	26.6	35	24	92	92	62	90	94	96	87.7	59
30..	57.68	57.53	58.17	56.64	56.92	59.15	57.68	24	23.5	30	32.6	29.5	26.5	27.7	33	23.3	97	97	75	60	69	90	81.3	....
31..	58.46	58.55	59.57	57.69	57.28	59.08	58.44	26	25.3	30.4	32.2	29.5	27.5	28.5	33.1	24.5	92	94	69	62	72	82	78.5	....
Mean	58.52	58.85	59.23	56.88	57.62	59.36	58.41	25.9	24.9	32.1	35.2	29.8	27.5	29.2	36.3	24.2	87.4	90.7	62.4	49.6	68.3	80.4	73.1	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	143.6

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	N	1	Calm	....	E	3	E	4	E	2	E	1	1.8	2	Ci.	Cu.	1	A.-Cu.	....
2..	Calm	....	N	1	E	2	E	4	E	3	E	2	2	2	Ci.	S.-Cu.	4	Ci.	Fr.-Cu. E
3..	N	1	Calm	....	E	3	ESE	6	ESE	6	ESE	2	3	2	Ci.	Cu.	3	Ci.	Cu.
4..	E	1	SE	1	E	4	ESE	5	ESE	4	NE	2	2.8	4	Ci.	S.-Cu.	3	A.-Cu.	Cu.
5..	NE	1	Calm	....	E	3	ESE	6	ESE	4	NE	2	2.7	2	Ci.	Cu.	3	Ci.	Cu.
6..	NE	1	NE	1	E	5	E	5	E	4	E	1	2.8	6	Ci.	Cu. E	4	Ci.	Cu. E
7..	N	1	N	1	E	3	E	3	E	3	E	1	2	3	Ci.	Cu.	4	Ci.	Cu.
8..	NE	1	NE	1	E	3	E	3	E	3	E	1	2	4	Ci.	Cu.	3	Ci.	Cu.
9..	E	1	NE	1	NE	3	NE	3	E	4	NE	1	2.2	3	Ci.	Cu.	4	A.-Cu.	Cu. E
10..	NE	1	Calm	....	NE	1	E	2	S	2	NW	2	1.3	7	Ci.	Cu. E	5	Ci.	Cu. E
11..	NW	1	Calm	....	NW	2	W	3	SW	2	S	2	1.7	4	Ci.	Cu.	5	Ci.	Cu.-N.
12..	Calm	....	Calm	....	S	2	S	2	Calm	....	NW	3	1.2	9	Ci.-S.	Cu.-N.	7	Ci.	Cu.-N.
13..	NW	1	Calm	....	S	2	S	4	S	1	S	2	1.7	7	Ci.	Cu. S	7	Ci.	Cu.-N. S
14..	S	1	S	1	S	1	S	2	S	2	NW	4	1.8	9	Ci.-S.	Cu.-N.	4	Ci.	Cu.-N.
15..	NW	1	Calm	....	SW	1	SW	2	Calm	....	Calm	....	.7	4	Ci.	Cu.	4	Ci.	Cu.-N.
16..	N	1	Calm	....	S	2	SW	2	NW	2	NE	1	1.3	3	Ci.	Cu.	6	Ci.	Cu.-N.
17..	NE	1	Calm	....	SW	1	SSW	3	NW	1	Calm	....	1	2	Ci.	....	5	A.-Cu.	Cu. SW
18..	N	1	Calm	....	S	1	S	4	SW	4	Calm	....	1.7	3	Ci.	....	5	Ci.	Cu. SSW
19..	S	1	Calm	....	S	4	S	3	NE	4	SE	1	2.2	5	Ci.	Cu.	9	Ci.-S.	Cu.-N. SSW
20..	SE	1	Calm	....	S	1	S	3	S	3	Calm	....	1.3	9	Ci.-S.	S.-Cu.	6	Ci.	Cu. SSW
21..	N	1	Calm	....	SE	1	S	2	SW	4	S	1	1.5	9	Ci.-S.	Cu.-N.	5	Ci.	Cu. S
22..	S	1	Calm	....	E	2	SE	3	SE	2	Calm	....	1.3	4	Ci.	S.-Cu.	6	Ci.	Cu.-N.
23..	Calm	....	Calm	....	N	1	S	2	S	1	NE	1	.8	2	Ci.	Cu.	6	Ci.	Cu.-N.
24..	N	1	E	1	NE	1	N	2	N	2	N	1	1.3	6	Ci.	Cu. E	4	Ci.	Cu.-N.
25..	Calm	....	Calm	....	NW	3	WNW	1	Calm	....	NW	1	.8	4	Ci.	Cu. N	5	Ci.	Cu. NW
26..	Calm	....	Calm	....	W	1	SW	2	NE	3	N	1	1.2	7	Ci.	Cu.-N.	5	Ci.	Cu.-N.
27..	Calm	....	Calm	....	SW	1	SW	6	SW	2	SW	1	1.7	5	Ci.	Cu.	9	Ci.-S.	Cu.-N. SW
28..	Calm	....	Calm	....	S	2	S	2	S	1	S	1	1	6	Ci.	Cu. S	5	Ci.	Cu.-N. S
29..	S	1	Calm	....	S	1	S	2	Calm	....	S	2	1	4	Ci.	S.-Cu.	10	Ci.-S.	Cu.-N. S
30..	Calm	....	N	1	E	2	E	4	E	3	NW	1	1.8	5	Ci.	Cu.	5	Ci.	Cu. ESE
31..	Calm	....	Calm	....	E	1	E	4	E	2	E	1	1.3	6	Ci.	S.-Cu.	6	Ci.	Cu.-N.
Mean	......	0.7	......	0.3	......	2	......	3.2	......	2.4	......	1.3	1.6	4.8	....	....	5.1	....	....

SAN ISIDRO, NUEVA ECIJA

[ϕ=15° 19′ N; λ=120° 55′ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.14	59.74	59.98	57.20	57.65	58.88	58.76	27.5	25.4	32.2	34.4	31	28.1	29.8	36	24.9	84	88	64	55	61	77	71.5	......
2..	58.16	58.36	58.12	56.30	56.93	58.57	57.74	25.8	25.3	31.9	33.9	29.9	25.4	28.7	34.5	24	93	96	64	58	73	92	79.3	. .
3..	57.97	58.06	58.01	55.42	56.10	58.21	57.30	24.5	24	30.7	35.6	30	25.4	28.4	36.2	23.5	96	97	72	52	69	97	80.5	8.1
4..	57.61	57.51	58.06	55.88	56.03	58.07	57.19	24.8	24.6	30	34	28.8	27	28.2	34.9	24	97	97	73	55	76	86	80.7	......
5..	57.65	58.25	58.67	56.64	56.57	59.49	57.88	26.8	26.2	31.5	35.4	30.4	25.6	29.3	35.9	25	86	87	69	55	74	94	77.5	17.3
6..	59.07	59.34	59.09	56.75	57.04	60.08	58.56	25.8	25.8	30.7	34.7	32.4	28.1	29.6	35.5	24.8	93	93	69	59	55	81	75	.8
7..	59.31	59.81	59.90	57.45	57.65	59.13	58.88	25.4	25.1	28.5	32	31.6	27.6	28.4	32.9	24.4	95	94	83	63	58	76	78.2	.3
8..	58.27	58.68	59.19	56.94	57.28	58.32	58.11	26	25	31	29.4	26.6	25.6	27.3	34.6	24.4	87	92	69	79	83	92	83.7	......
9..	56.80	56.69	56.83	53.97	54.27	55.23	55.63	25.5	25.5	29	30.6	29.1	25.8	27.6	32.4	24.6	94	94	74	69	75	93	83.2	14.5
10..	53.71	53.18	53.21	52.53	53.34	54.88	53.48	25.4	25	26.6	25	24	24.4	25.1	27.6	23.5	90	92	89	94	95	95	92.5	63.2
11..	54.25	54.28	55.50	54.06	54.30	56.20	54.76	24.5	24	27	26	26.5	25.5	25.6	27.3	23.6	96	96	88	92	88	89	91.5	2.6
12..	55.06	55.33	56.06	54.92	55.12	56.89	55.56	25.2	24.5	29.5	29.9	28.4	25.9	27.2	31.4	23.7	92	96	79	73	82	92	85.7	......
13..	56.16	56.40	56.44	55.17	55.61	57.32	56.18	25.6	25.5	30.3	32	30.2	27.4	28.5	32.8	24.4	92	92	74	67	74	89	81.3	......
14..	56.21	56.19	56.79	55.80	56.03	57.56	56.43	26.4	26	30.5	32	28	26.4	28.2	32.2	24.6	89	89	72	66	82	89	81.2	1
15..	56.99	57.49	57.71	56.28	56.49	57.86	57.14	26	25.6	29.4	28.5	27.8	26	27.2	31.9	25	92	95	79	87	89	92	89	1.5
16..	57.52	57.64	59.31	58.34	57.33	58.74	58.15	25.8	25.7	26.1	28.5	28.2	25.6	26.6	29.6	24.6	95	96	91	85	86	95	91.3	10.5
17..	57.96	58.37	59.12	57.96	57.07	58.06	58.09	25.6	25.5	29.5	26.4	28.6	26.5	27	32	24.5	95	96	81	94	85	90	90.2	9.6
18..	57.39	57.65	57.84	56.57	56.99	58.05	57.42	26	25.8	30.6	31	25	24.8	27.2	32	24.4	94	95	68	75	93	95	86.7	4.6
19..	56.88	57.33	57,48	55.14	56.98	58.20	57	24.6	24.4	29	33.1	25.5	25	26.9	33.1	23.4	95	95	81	66	92	97	87.7	4.1
20..	56.76	57.27	57.79	56.24	56.11	58.61	57.13	24.8	24.4	28.8	30	28.6	24.6	26.9	30.7	23.6	97	97	82	78	80	97	88.5	6.9
21..	57.96	58.37	58.89	56.84	57.62	59.61	58.22	24.5	25	28.6	30.6	28.5	26.4	27.3	31.4	23	96	96	86	76	78	90	87	1.5
22..	58.94	58.93	58.88	57.52	58.39	58.85	58.58	25.6	25.2	30.1	28.4	27	24.6	26.8	33.2	24	92	92	73	82	93	92	87.3	1.3
23..	57.60	58.76	59.24	57.21	57.93	58.94	58.28	24.2	24	31	32.2	26.1	25.8	27.2	33.4	23	91	91	72	71	94	97	86	18.3
24..	58.14	58.41	58.51	56.91	56.94	58.34	57.88	25.4	24.8	30.2	29.8	28.4	26.2	27.5	32.5	24	97	97	81	70	85	94	87.3	......
25..	57.06	57.66	57.47	55.39	55.16	56.91	56.61	25.4	24.8	30	32.4	29	26.6	28	32.9	24.4	95	97	71	69	85	94	85.2	......
26..	55.48	55.58	55.88	54.43	54.79	56.50	55.44	25.8	25.6	28.5	29	26.4	25.6	26.8	30.4	24.6	95	97	85	82	90	92	90.2	.3
27..	56.01	56.18	56.71	55.69	56.16	58.40	56.52	25	24.5	30.4	32.5	29	26.5	28	32.9	24	93	93	73	62	79	90	81.7	......
28..	58.37	58.98	59.24	58.09	57.84	59.94	58.74	25.2	24.6	30.9	33.6	31.4	27.6	28.9	34.4	23.4	92	92	70	61	70	77	77	.3
29..	59.95	60.24	59.84	57.44	58.75	59.78	59.33	25.6	25.4	30.7	34	23.5	24.6	27.3	34.8	22.4	90	90	74	60	97	97	84.7	51.8
30..	58.48	58.33	57.80	55.46	55.97	56.20	57.04	23.8	24	29	31.4	25.7	24	26.3	32.9	23.5	97	97	82	72	94	97	89.8	2
Mean	57.36	57.63	57.92	56.15	56.48	58.06	57.27	25.4	25	29.7	31.2	28.2	26	27.6	32.7	24	93	94	76.3	70.9	81.2	90.9	84.4	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	220.5

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
														Amount.	Form and direction.		Amount.	Form and direction.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.			Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	Calm	....	Calm	....	E	1	E	3	E	3	N	1	1.3	7	A.-Cu.	S.-Cu.	4	Ci.	Cu. SE
2..	N	1	N	1	E	2	E	3	S	2	NE	2	1.8	5	A.-Cu.	Cu. E	6	Ci.	Cu. E
3..	NE	1	NW	1	E	1	S	3	NW	7	N	1	2.3	6	Ci.	Cu.	5	Ci.	Cu.-N.
4..	Calm	....	Calm	....	S	2	S	1	NW	1	N	1	.8	6	Ci.	S.-Cu.	3	Ci.	Cu.-N.
5..	Calm	....	NE	1	E	1	S	2	E	2	S	1	1.2	2	Ci.	Cu.	5	A.-Cu.	Cu. S
6..	Calm	....	Calm	....	E	1	SE	2	E	4	E	1	1.3	3	Ci.	....	5	Ci.	Cu.
7..	Calm	....	E	1	E	1	E	1	E	2	E	1	1	6	Ci.	Cu.-N.	5	Ci.	Cu. E
8..	E	1	E	1	NW	2	E	1	Calm	....	NE	2	1.2	5	Ci.	Cu. E	6	Ci.	Cu.-N.
9..	Calm	....	N	1	N	2	NNE	5	NNE	5	NNE	3	2.7	7	Ci.	S.-Cu. N	8	Ci.-S.	Cu.-N. NE
10..	NNE	4	NNE	5	NE	5	ESE	5	ESE	4	SE	3	4.3	10	Ci.-S.	N. NE	10	Ci.-S	N. SE
11..	SE	3	SSE	4	SSE	4	SSE	4	SSE	3	SSE	3	3.5	10	Ci.-S.	N. S	10	Ci.-S.	N. S
12..	SSE	3	Calm	....	S	4	S	4	S	2	S	1	2.3	8	Ci.	S.-Cu. S	7	Ci.	Cu. SSW
13..	S	1	S	1	S	5	S	5	SSW	3	SSW	2	2.8	4	Ci.	Cu. SW	6	Ci.	Cu. SSW
14..	SSW	2	SSW	2	SSW	4	SSW	5	SSW	6	SSW	1	3.3	7	Ci.	Cu. SW	6	Ci.	Cu. SW
15..	SSW	3	SSW	4	SSW	4	SSW	4	SSW	2	SSW	1	3	9	Ci.	N. SW	9	Ci.-S.	N. SW
16..	SSW	1	Calm	....	SW	3	SW	3	Calm	....	SW	2	1.5	8	Ci.	Cu. SW	8	Ci.	Cu. SW
17..	SW	1	Calm	....	SW	2	SW	1	SW	2	Calm	....	1	3	Ci.	Cu. SW	8	Ci.	Cu.-N. SW
18..	Calm	....	Calm	....	SW	2	SW	2	Calm	....	Calm	....	.7	4	Ci.	Cu. SW	4	Ci.	Cu.-N. SW
19..	Calm	....	Calm	....	SW	1	WNW	1	Calm	....	NE	2	.7	2	Ci.	Cu.	3	Ci.	Cu. NW
20..	Calm	....	Calm	....	SW	2	S	4	S	3	S	2	1.8	8	Ci.	Cu.	7	Ci.	Cu. SSW
21..	S	2	S	1	S	4	S	3	S	2	S	1	2.2	2	Ci	Cu.	6	Ci.	Cu. SSW
22..	S	1	S	1	S	3	SSW	4	Calm	....	Calm	....	1.5	2	Ci.	Cu.	8	Ci.-S.	Cu.-N. W
23..	S	1	Calm	....	S	2	S	2	S	1	Calm	....	1	2	Ci.	Cu.	5	Ci.	Cu. WSW
24..	S	1	S	1	SSW	2	SW	5	SW	1	SW	1	1.8	7	Ci.	Cu. SW	8	Ci.	Cu.-N. SW
25..	SW	1	Calm	....	SW	1	SW	2	SW	1	Calm	....	.8	6	Ci.	Cu. SW	5	Ci.	Cu.-N. SW
26..	Calm	....	Calm	....	SSW	2	S	4	S	4	S	3	2.2	7	Ci.	S.-Cu.	9	Ci.-S.	Cu. SSW
27..	S	2	S	1	S	4	S	5	S	3	S	1	2.7	5	Ci.	Cu. SW	4	Ci.	Cu. SSW
28..	S	1	S	1	SW	2	S	2	S	1	SE	2	1.5	1	Ci.	....	6	Ci.	Cu. SSW
29..	SE	1	Calm	....	NE	1	NW	2	Calm	....	N	1	.8	4	Ci.	Cu.	3	Ci.	Cu.-N.
30..	Calm	....	Calm	....	NNW	3	NNW	2	E	2	Calm	....	1.2	4	Ci.	Cu. N	7	Ci.-S.	Cu. N
Mean	......	1	......	0.9	......	2.4	......	3	......	2.2	......	1.3	1.8	5.3	....	....	6.2	....	....

SAN ISIDRO, NUEVA ECIJA

[φ=15° 19′ N; λ=120° 55′ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	55.23	55.28	54.76	53.31	53.52	54.46	54.43	24.2	24.8	28.4	30.6	28.4	26	27.1	30.9	23.4	95	95	85	75	83	96	88.2	5.8
2..	53.56	54.09	54.64	55.05	55.57	56.90	54.97	24.8	24.6	24.6	23.3	22.5	22.2	23.7	25.6	21.6	97	97	98	97	99	97	97.5	17.3
3..	56.80	57.59	58.70	58.56	59.15	60.32	58.52	22	22.5	26.1	25.1	25	23.5	24	28	21.6	96	97	88	95	92	95	93.8	7.9
4..	60.14	60.09	60.06	59.37	60.04	60.66	60.06	23.2	23	28	30.5	25	24.5	25.7	31.1	22.4	97	97	82	75	96	96	90.5	1.5
5..	60.26	60.58	60.81	58.81	58.66	59.70	59.80	23.5	23.5	29	31.8	29	25.5	27	32.5	22.4	96	96	75	61	72	92	82	....
6..	59.23	59.58	59.37	57.99	60.35	60.92	59.57	24.5	24	29.9	33	24	23.6	26.5	33.4	23.2	92	93	69	59	96	97	84.3	15.2
7..	60.06	60.32	61.27	59.43	59.62	60.61	60.22	23.8	24	28.2	30.7	30	26.2	27.2	32.2	23.4	97	96	82	63	75	90	83.8	....
8..	59.82	60.76	61.44	59.40	59.51	60.98	60.32	25.4	24.5	27.5	32	29.1	26.6	27.5	33.1	24	93	96	88	69	83	92	86.8	....
9..	59.66	60.12	60.24	57.84	60.15	59.96	59.66	25.8	24.8	30.4	33.5	23.7	22.7	26.8	33.9	22.2	92	93	70	63	96	96	85	.8
10..	58.85	59.02	59.85	57.44	57.64	59.11	58.65	22	21.4	28.4	32.5	28.9	26	26.5	33.4	20.8	96	96	77	55	71	90	80.8	....
11..	58.54	59.18	59.48	57.67	57.72	59.75	58.72	25.6	24.8	30.1	32.2	30.6	27	28.4	33.9	24.3	93	93	73	66	74	87	81	....
12..	59.27	59.82	60.19	58.34	58.30	60.19	59.35	26	24.8	30.5	34.3	28	25.3	28.2	34.6	24.4	92	97	72	58	85	91	82.5	....
13..	59.62	59.66	59.99	57.76	57.91	59.50	59.07	24.8	24.6	30.6	33.7	30.6	27.3	28.6	34.4	24	93	93	74	59	70	82	78.5	....
14..	59.07	59.34	59.58	57.25	58.82	59.54	58.93	26	25.4	30.6	34	28	24	28	34.6	23.3	92	95	73	59	67	95	80.2	3.3
15..	58.48	58.37	58.56	56.83	56.58	58.19	57.84	23.6	23.5	30.4	34	30.5	27.2	28.2	34.5	23	95	96	70	59	65	87	78.7	....
16..	57.51	58.21	58.24	56.06	56.72	58.39	57.52	26.4	25.6	30	34	30.4	25.6	28.7	34.7	24.7	89	95	71	56	68	87	77.7	....
17..	58.01	58.53	58.99	57.18	58.01	59.13	58.31	25.2	25	30.5	34.3	25.4	24.3	27.4	35	23.4	92	92	68	57	95	95	83.2	20.3
18..	58.28	58.52	58.59	56.94	56.79	58.51	57.94	24	23.8	28.6	33.2	27.8	26.2	27.3	33.9	23	96	96	73	62	79	87	82.2	....
19..	57.93	57.75	57.97	56.37	56.04	57.46	57.25	25	24.2	30	32.5	29.5	26.2	27.9	33.6	23.7	93	98	74	61	67	87	80	1
20..	56.59	56.85	58.14	56.94	56.84	57.03	57.06	25.5	24.2	25.5	25.5	26	24.8	25.2	26.5	23.3	89	94	92	90	92	93	91.7	8.4
21..	56.76	56.96	57.34	55.47	55.87	57.09	56.58	24	24	28.8	31.4	27.6	25	26.8	32.5	23.4	97	96	78	73	84	93	86.8	2.8
22..	56.37	56.33	57.16	55.30	55.99	57.67	56.47	24.8	24.8	26.9	31	26.7	25	26.5	31.8	24.2	95	97	93	72	86	96	89.8	2.8
23..	56.03	56.46	56.96	55.21	55.60	57.11	56.23	24.6	24.5	27.9	30.1	26.5	25	26.4	31	23.8	97	97	88	69	88	93	88.7	5.6
24..	55.73	55.78	55.80	54.26	54.88	56.36	55.47	24.6	24.4	27.6	30.1	25.8	25	26.2	31.6	24	97	97	81	73	90	96	89	20.3
25..	55.72	56.05	56.50	55.61	55.69	56.99	56.09	24.6	24.4	29	27.5	27.6	26.2	26.6	30.9	24	97	97	78	93	86	92	90.5	3.6
26..	55.94	56.42	56.29	54.35	54.11	55.85	55.49	25.2	24.6	27.5	28.5	27.6	26	26.6	30.2	23.9	93	95	91	81	84	92	89.3	4.8
27..	54.42	53.96	54.23	52.71	53.49	54.38	53.86	24.8	24.8	26.8	26.1	24.6	24.5	25.3	27.2	23.7	95	95	92	94	96	96	94.7	19.8
28..	53.94	54.14	54.56	54.46	53.56	54.67	54.22	24	24.4	26.4	25.4	25.2	24.5	25	26.6	23.5	97	97	92	97	95	97	95.8	88.1
29..	54.20	53.99	54.44	53.66	53.24	54.60	54.02	24	23.8	24.4	26	24.6	24.5	24.6	26.4	23.4	98	98	97	92	97	97	96.5	21.4
30..	53.54	53.28	53.40	52.41	52.46	53.89	53.16	24	23.8	26.4	27.4	26	24.7	25.4	28.4	23.4	98	98	94	91	95	98	95.7	23.3
31..	52.67	52.97	53.26	52.25	52.30	54.10	52.92	24.8	24.4	27	28.7	27.4	26	26.4	30	23.7	97	94	92	85	89	92	91.5	8.2
Mean	57.17	57.42	57.77	56.27	56.62	57.87	57.18	24.5	24.2	28.3	30.4	27.2	25.2	26.6	31.5	23.3	94.7	95.7	81.6	72.9	84.4	92.7	87	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	282.2

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	Calm	....	Calm	....	NW	4	NW	3	Calm	....	SW	2	1.5	9	Ci.-S.	Cu. NNW	10	Ci.-S.	Cu. NW
2..	SW	2	SSW	3	SSW	4	SSW	3	SSW	2	SSW	4	3	10	Ci.-S.	N. SW	10	Ci.-S.	N. SW
3..	S	2	S	1	S	4	S	5	S	4	S	1	2.8	10	Ci.-S.	S.-Cu. SSW	10	Ci.-S.	N. SSW
4..	S	1	Calm	....	S	3	S	2	Calm	....	W	1	1.2	8	Ci.-S.	Cu.-N.	5	Ci.	Cu. SW
5..	NW	1	NW	1	NW	2	NW	1	Calm	....	Calm	....	.8	5	Ci.	Cu.	3	Ci.	Cu.-N.
6..	N	1	Calm	....	NW	1	NW	2	N	2	N	1	1.2	4	Ci.	Cu.	5	Ci.	Cu.-N.
7..	Calm	....	Calm	....	S	1	NW	2	Calm	....	Calm	....	.5	7	A.-Cu.	Cu. NE	5	Ci.	Cu.-N.
8..	Calm	....	N	1	NE	1	N	2	Calm	....	N	2	1	6	Ci.-S.	Cu.-N.	4	Ci.	Cu.-N.
9..	N	1	Calm	....	NE	2	NW	1	NE	3	Calm	....	1.2	2	Ci.	Cu.	5	Ci.	Cu.-N.
10..	Calm	....	Calm	....	S	1	S	1	S	1	S	1	.7	2	Ci.	S.-Cu.	2	Ci.	Cu.-N.
11..	Calm	....	Calm	....	S	1	S	1	S	2	S	1	.8	5	Ci.	Cu.	6	Ci.	Cu. SW
12..	S	1	Calm	....	NW	2	S	1	S	1	SE	1	1	3	Ci.	Cu.	3	Ci.-Cu.	Cu. S
13..	SE	1	Calm	....	NW	2	NW	2	N	2	N	2	1.5	2	Ci.	Cu.	4	A.-Cu.	Cu.-N.
14..	N	1	Calm	....	N	2	N	2	E	6	N	1	2	6	Ci.	Cu. NNW	5	Ci.	Cu.-N.
15..	WNW	1	Calm	....	NW	1	S	2	NW	3	Calm	....	1.2	2	Ci.	....	4	Ci.	Cu.-N.
16..	NW	1	Calm	....	NW	1	NW	2	NW	1	S	2	1.2	5	Ci.	S. N	4	Ci.	Cu.-N.
17..	S	1	Calm	....	SW	1	SW	2	SW	3	SW	2	1.5	3	Ci.	Cu.	5	Ci.	Cu. W
18..	SW	1	Calm	....	SW	1	SW	1	Calm	....	Calm	....	.5	5	Ci.	Cu.	4	Ci.	Cu.-N.
19..	N	1	N	1	NNE	1	NE	2	E	1	E	1	1.2	5	Ci.	S.	4	Ci.	Cu.
20..	E	1	Calm	....	E	1	Calm	....	NE	2	Calm	....	.7	7	Ci.	Cu.-N.	10	Ci.-S.	N.
21..	NE	1	NE	1	NE	1	E	1	NE	1	NE	2	1.2	5	Ci.	Cu. E	5	Ci.	Cu.-N.
22..	N	1	N	1	ESE	2	SE	3	ESE	1	ESE	1	1.5	10	Ci.-S.	Cu.-N.	7	Ci.	Cu.-N. SE
23..	N	2	Calm	....	NE	1	SE	2	SE	2	Calm	....	1.2	8	Ci.-S.	S. N	6	Ci.	Cu.-N.
24..	NE	1	Calm	....	NE	1	SSE	3	SSE	4	SSE	2	1.8	10	Ci.-S.	N. ESE	8	Ci.-S.	Cu.-N. S
25..	S	2	S	1	S	4	S	4	S	3	S	2	2.7	7	Ci.-S.	S.-Cu. S	7	Ci.-S.	Cu.-N. S
26..	S	1	SSW	4	S	4	S	3	SSW	4	SSW	2	3	9	Ci.-S.	N. SSW	10	Ci.-S.	Cu. SSW
27..	SSW	2	SSW	2	SSW	2	S	5	SSW	3	SSW	3	2.8	8	Ci.	S.-Cu. SW	10	Ci.-S.	N. SSW
28..	SSW	4	SSW	4	SSW	3	SSW	3	SSW	2	SSW	1	2.8	10	Ci.-S.	N. SW	10	Ci.-S.	N. SW
29..	SSW	2	SSW	3	SSW	4	SW	2	SW	2	SW	2	2.5	10	Ci.-S.	N. SW	10	Ci.-S.	N. SW
30..	SW	2	SW	1	Calm	....	SW	3	SW	2	SW	3	1.8	10	Ci.-S.	N. SW	10	Ci.-S.	Cu. SW
31..	SW	2	SW	3	SW	4	SSW	5	SW	7	SW	5	4.3	9	Ci.-S.	Cu. SW	7	Ci.	Cu. SW
Mean	......	1.2	......	0.9	......	2	......	2.3	......	2.1	......	1.5	1.6	6.5	....	....	6.4	....	....

SAN ISIDRO, NUEVA ECIJA

[ϕ=15° 19′ N; λ=120° 55′ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	53.17	53.47	54.21	53.29	53.59	54.97	53.78	25	25.4	28.3	29	28	26.9	27.1	31	24.1	96	97	86	88	89	93	91.5	1.8
2..	54	54.73	55.66	54.08	54.04	56.01	54.75	26.2	26	27.1	31.8	28	26.2	27.6	32.2	25.4	95	96	92	74	90	92	89.8	1
3..	54.98	55.23	55.69	54.72	54.59	56.11	55.22	26	25.8	29	28.4	26.6	26	27	30.9	25.4	95	97	85	89	95	97	93	9.4
4..	55.06	55.38	55.42	54.19	54.96	56.56	55.26	25.5	25.3	27.4	29	25	24	26	29.2	23.4	98	98	89	81	95	97	93	16
5..	55.54	55.74	56.36	55.37	54.67	55.18	55.48	23.8	24	26.1	25	24.9	24.4	24.7	28	23.1	97	97	95	97	98	97	96.8	36.6
6..	53.90	54.43	55	54.17	53.58	53.78	54.14	24	24	26.2	24.6	25.4	24	24.7	27.7	23	97	97	90	95	96	97	95.3	35.4
7..	52.69	52.04	51.77	51.48	51.48	52.04	51.92	23.7	23.6	26.6	25.5	24.7	24	24.7	27.4	23.2	97	98	90	96	97	97	95.8	45.3
8..	51.58	51.78	52.19	51.74	51.58	52.93	51.97	24.6	24.5	28.5	27.4	26.2	25	26	29.1	23.6	97	97	85	89	94	97	93.2	24.3
9..	51.96	52.58	53.69	52.97	53.02	55.04	53.21	24.8	24.3	25.4	25.8	25.2	25.1	25.1	26.1	23.9	97	97	97	97	97	97	97	38
10..	53.17	53.92	54.63	53.41	53.57	54.77	53.91	24.8	25	25.8	26.8	24.7	24.6	25.3	27.2	23.9	97	97	93	90	96	97	95	53.8
11..	53.50	53.29	54.10	52.77	52.58	53.78	53.34	24.2	24	24.9	25.2	25	24.4	24.6	25.5	23.4	96	97	97	96	97	97	96.7	92.8
12..	22.98	52.89	53.74	52.77	52.65	54.20	53.20	24	24	25.5	25	24.5	24.5	24.6	27	23.5	97	97	95	97	96	97	96.5	33.2
13..	53.30	53.64	55.07	54.39	54.80	55.60	54.47	23.8	24.2	25.2	26	23.7	24	24.5	26.8	23.4	97	98	96	93	97	97	96.3	48.7
14..	55.19	55.69	56.92	56.11	57	57.16	56.34	24.2	24.6	24.9	24.9	24.5	23.6	24.4	25.4	23.4	97	98	97	96	97	97	97	41.8
15..	56.06	56.32	57.15	56	55.96	57.42	56.48	23.8	24.1	25.7	26.4	25.7	25	25.1	26.9	23.6	97	96	94	89	92	93	93.5	28.7
16..	56.88	57.13	58.37	58.16	58.46	59.61	58.10	24.2	24	26.4	24.9	24.8	24.5	24.8	27.1	23.4	97	97	92	94	97	96	95.5	8.4
17..	58.51	58.86	59.41	57.96	58.11	59.29	58.69	24	24	26.9	29.8	27.4	26.4	26.4	30.4	23.2	97	97	92	76	92	92	91	1.8
18..	58.34	58.16	58.53	57.04	56.98	58.77	57.97	25.8	25.1	29.2	30.9	27.5	26.2	27.4	31.4	24.7	95	96	81	74	90	92	88	3.8
19..	57.34	57.86	58.50	56.82	56.90	57.69	57.52	25.6	24.4	28.3	30.2	27.5	25.2	26.9	31.6	23.9	95	97	82	74	87	94	88.2	4.1
20..	55.78	54.53	53.27	50.75	48.63	52.12	52.51	24.9	24.2	25.5	24.5	23.5	24.5	24.5	25.7	22.8	93	96	94	96	97	94	95	89.3
21..	52.54	54.29	56.73	55.64	56.74	59.12	55.84	24.8	24	24.6	27.2	26.2	24.6	25.2	28.4	23.4	95	95	95	84	92	97	93	22
22..	57.96	58.14	58.76	57.53	57.79	59.34	58.25	24	23.7	28	29.7	26.6	25.6	26.3	31	23.4	96	96	84	75	84	87	87	......
23..	57.91	58.31	58.78	56.83	56.53	58.20	57.76	25	24.2	28.4	29	29	26.9	27.1	30.4	23.6	92	94	82	78	75	88	84.8	2
24..	56.31	56.15	57.07	55.21	55.47	56.26	56.08	25.2	25	26	27.7	25.4	24.6	25.6	28.6	24	95	95	92	87	94	97	93.3	34.9
25..	55.10	54.68	55.62	54.27	54.85	55.80	55.05	24.6	24.3	24.4	24.5	24.2	23.8	24.3	24.9	23	97	97	97	97	98	97	97.2	87.6
26..	55.63	56.04	57.92	57.07	57.19	59.11	57.16	23.4	23.4	24	24	23.6	23.4	23.6	24.2	22.8	97	97	98	96	98	98	97.3	91.1
27..	58.64	58.31	59.26	58.10	58.48	59.34	58.69	23	22.9	23.9	24.5	24	23.5	23.6	24.8	22.4	97	97	97	96	97	97	96.8	32.2
28..	57.61	57.26	58.40	57.30	57.24	58.56	57.73	23.4	23.3	26	28.2	26.6	25.4	25.5	28.8	22.8	97	97	94	80	88	92	91.3	......
29..	56.78	56.96	57.15	55.26	55.62	56.67	56.41	24.4	23.8	27.9	28.4	25	25	25.8	29.2	23.4	97	97	82	80	91	97	90.7	5.6
30..	55.28	55.05	55.75	54.35	54.38	55.46	55.04	24.5	24.3	26.5	26.3	25.8	25.2	25.4	28	23.9	96	97	91	90	90	93	92.8	14.2
31..	54.92	55.71	55.97	54.05	54.44	55.57	55.11	24.2	23.4	25.4	28.5	25.1	24.7	25.2	29.3	23	95	97	88	83	94	95	92	18.6
Mean	55.25	55.44	56.16	54.96	55.03	56.34	55.53	24.5	24.3	26.4	27.1	25.6	24.9	25.5	28.2	23.5	96.2	96.7	91	88	93.2	95.1	93.4	......
Total	.....	.....	.....	.....	.....	.....	......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	922.4

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	SSW	3	SSW	2	SSW	5	SW	2	SW	2	SW	1	2.5	9	Ci.-S.	N. SW	7	Ci.	Cu. WSW
2..	SW	1	SW	1	SW	2	SW	2	SW	2	SW	2	1.7	9	Ci.	Cu. WSW	5	Ci.	Cu. WSW
3..	Calm	....	SW	1	SW	1	SSW	6	Calm	....	Calm	....	1.3	8	Ci.-S.	Cu.-N.	10	Ci.-S.	N. SW
4..	SW	1	SW	1	SW	2	SW	4	SW	2	SW	2	2	10	Ci.-S.	N. WSW	9	Ci.-S.	Cu. WSW
5..	SW	1	Calm	....	Calm	....	SW	2	SW	2	SW	1	1	10	Ci.-S.	N. WSW	10	Ci.-S.	N. WSW
6..	SSW	2	SSW	2	SSW	3	SW	2	SW	1	SW	2	2	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	N. W
7..	SW	2	SW	2	SW	4	SW	1	SW	4	SW	3	2.7	10	Ci.-S.	N. W	10	Ci.-S.	N. WSW
8..	SW	2	SW	1	SW	3	SW	3	Calm	....	SW	4	2.2	10	Ci.-S.	N. WSW	10	Ci.-S.	N. WSW
9..	SW	3	SW	2	SW	3	SSW	3	SSW	3	SSW	2	2.7	10	Ci.-S.	N. WSW	10	Ci.-S.	N. SW
10..	SSW	1	SSW	1	SSW	1	SSW	3	Calm	....	Calm	....	1	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	N. SW
11..	W	1	Calm	....	Calm	....	SW	4	SW	1	SSW	4	1.7	10	Ci.-S.	N. W	10	Ci.-S.	Fr.-N. SW
12..	SSW	2	SSW	1	SSW	3	SSW	4	SSW	3	SSW	4	2.8	10	Ci.-S.	N. SW	10	Ci.-S.	N. SW
13..	SSW	4	SSW	2	SSW	1	Calm	....	SSW	3	SSW	3	2.2	10	Ci.-S.	N. SW	10	Ci.-S.	N. SW
14..	SSW	2	SSW	3	SSW	2	SSW	2	SSW	3	SSW	4	2.7	10	Ci.-S.	N. SW	10	Ci.-S.	N. SW
15..	S	3	S	2	S	2	S	3	S	2	S	2	2.3	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	Cu. SW
16..	S	3	Calm	....	S	2	S	2	S	1	S	1	1.5	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	N. SW
17..	S	1	Calm	....	S	1	S	1	Calm	....	S	1	.7	10	Ci.-S.	Cu. SW	8	Ci.	Cu. SW
18..	S	1	S	1	S	3	S	3	Calm	....	Calm	....	1.3	6	Ci.	Cu. SW	6	Ci.	Cu.-N. SW
19..	Calm	....	Calm	....	S	2	WNW	3	Calm	....	NW	2	1.2	8	Ci.	Cu. SW	5	Ci.	Cu.-N.
20..	NW	1	Calm	....	WNW	2	WSW	3	SW	6	SSW	7	3.2	10	Ci.-S.	N. NW	10	Ci.-S.	N. WNW
21..	SSW	6	SSW	6	SSW	6	S	5	S	2	S	3	4.7	10	Ci.-S.	N. SW	8	Ci.-S.	Cu. SSW
22..	S	2	SSE	1	SSE	2	SSE	3	SSE	2	SSE	1	1.8	7	Ci.	Cu. SSW	6	A.-Cu.	Cu.-N. SSW
23..	Calm	....	Calm	....	NW	2	WSW	2	Calm	....	WSW	3	1.2	6	A.-Cu.	Cu. SSW	6	Ci.	Cu. W
24..	WSW	1	WSW	1	WSW	2	NW	4	Calm	....	NW	2	1.7	7	Ci.	Cu. W	8	Ci.-S.	Cu. W
25..	SW	2	SW	2	SW	3	SSW	4	SSW	4	SSW	4	3.2	10	Ci.-S.	N. SW	10	Ci.-S.	N. SSW
26..	SSW	4	SSW	3	S	3	S	4	SSE	4	SSE	2	3.3	10	Ci.-S.	N. SSW	10	Ci.-S.	N. SSW
27..	SSE	2	Calm	....	SSE	2	S	2	S	2	S	1	1.5	10	Ci.-S.	N. S	10	Ci.-S.	N. SW
28..	S	2	S	2	Calm	....	NW	1	NW	1	SW	2	1.3	9	Ci.-S.	Cu. SW	6	Ci.	Cu. NW
29..	SW	1	Calm	....	NW	1	NW	2	W	3	W	2	1.5	6	Ci.	S.-Cu. WNW	9	Ci.-S.	Cu. NW
30..	W	1	WSW	1	WSW	2	WSW	3	SW	4	SW	3	2.3	10	Ci.-S.	Cu. WNW	10	Ci.-S.	N. W
31..	SW	2	SW	1	SSW	2	SSW	4	SSW	2	Calm	....	1.8	10	Ci.-S.	N. W	8	Ci.-S.	Cu.-N. WSW
Mean	......	1.8	......	1.3	......	2.2	......	2.8	......	1.9	......	2.2	2	9.2	....	....	8.7	....	....

SAN ISIDRO, NUEVA ECIJA

[ϕ=15° 19′ N; λ=120° 55′ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	54.98	55.02	55.75	54.46	55.58	57.13	55.49	24.5	24.4	28	28.7	25.5	25	26	28.9	23.5	96	97	88	83	89	92	90.8	1
2..	56.46	56.97	57.99	57.35	58.61	60.10	57.91	24.8	24.8	29	28.5	25.8	25.1	26.3	30.1	24	92	92	82	88	90	96	90	12.9
3..	58.76	58.98	60.22	58.97	59.14	61.13	59.53	24.2	23.5	28.7	31	29	26.6	27.2	31.4	23	96	96	83	71	81	92	86.5	....
4..	59.79	59.71	60.67	58.56	58.90	61.23	59.81	25.5	24.5	28.5	32	29.4	26.5	27.7	32.4	24	96	96	80	69	79	91	85.2	....
5..	59.51	59.70	60.42	58.15	58.09	59.82	59.28	26	24.2	29.5	31.4	29.2	27.2	27.9	32.4	23.9	92	95	76	60	72	88	80.5	6.4
6..	58.46	58.70	59.28	56.87	57.47	58.99	58.30	26	24.9	29.9	32	27.8	25	27.6	33	24.4	94	96	77	63	79	88	82.8	....
7..	57.50	57.08	57.83	55.92	56.97	58.81	57.35	24.5	25.1	28.8	30.3	24.5	24.2	26.2	32.5	23.1	96	96	76	75	92	95	88.3	13.2
8..	57.06	57.18	58.19	56.11	56.69	57.99	57.20	23.6	23.5	26.8	31.1	27	25.8	26.3	32.2	22.6	97	97	86	67	90	92	88.2	10.2
9..	57.40	57.93	58.88	56.93	57.57	58.98	57.95	24.8	24.5	29.5	30.6	26	24.5	26.6	31.8	23.9	95	96	81	75	88	94	88.2	....
10..	57.71	57.77	58.32	55.62	56.34	57.51	57.21	24.2	24	29.4	31.7	24.3	25	26.4	32.6	23.4	96	97	79	70	94	93	88.2	18.6
11..	56.43	56.46	56.85	55.28	54.42	55.83	55.88	24.5	24.4	27.9	30.3	28.5	25.7	26.9	30.4	23.5	96	97	79	73	81	94	86.7	7.4
12..	55.36	55.37	55.74	54.06	54.11	55.52	55.03	25.4	24.9	27.3	29	27.6	24	26.4	29.2	23.4	95	96	84	81	87	97	90	7.9
13..	54.73	54.98	55.64	53.87	54.69	56.27	55.03	23.9	23.7	28.6	30.4	26.6	26.2	26.6	30.9	23.3	97	97	84	74	84	87	87.2	....
14..	55.88	56.18	57.03	54.93	56.19	57.69	56.31	25.2	24.7	28.9	31.1	27.8	26.5	27.4	31.5	24.4	92	94	78	71	82	90	84.5	....
15..	56.82	57	57.78	56.12	56.74	58.12	57.10	25.5	24.9	29.4	29.6	27.1	26	27.1	32.2	24.1	88	92	74	74	87	92	84.5	....
16..	58.04	58.42	59.02	56.92	58.19	59.69	58.38	25.4	24.9	27.7	30.6	27.5	25.5	26.9	31.1	24	93	94	77	67	73	88	82	1
17..	58.96	59.35	60.34	58.59	59.44	60.29	59.50	24.4	23.5	28.7	30.5	27.4	26	26.8	30.8	22.9	93	96	77	63	71	81	80.2	.8
18..	59.90	60.96	61.93	59.65	59.79	60.92	60.52	25	24.1	25.7	28.7	27	25.5	26	29.1	23.6	87	94	84	73	80	84	83.7	.5
19..	60.16	60.23	60.67	58.80	58.88	60.54	59.88	24.5	23.1	29.8	31.8	27.6	25.8	27.1	31.9	22.6	89	95	65	61	70	81	76.8	....
20..	59.06	59.57	60.19	58.01	58.42	60.21	59.24	24.5	23.5	28.6	31.7	27.6	25.6	26.9	31.8	22.8	87	95	75	67	74	87	80.8	....
21..	59.01	59.42	60.48	57.93	58.97	60.74	59.42	25	24.6	28.7	31	28.5	25.8	27.3	32	24.1	93	95	70	63	74	85	80	1.8
22..	59.86	60.22	60.79	58.52	58.64	60.05	59.68	24.7	24	29.2	31.8	27	25.2	27	32.4	23.1	92	93	63	58	63	82	75.2	....
23..	59.43	59.56	60.29	58.51	58.48	60.30	59.43	24.5	23.5	30	31.4	27.6	25.8	27.1	32.1	23	84	91	62	60	63	81	73.5	......
24..	59.22	59.52	60.29	58.62	58.97	60.36	59.50	25.4	23.5	29.3	32	28	25.2	27.2	32.9	23.1	82	92	62	52	62	82	72	....
25..	59.67	60.18	60.79	59.09	59.39	60.44	59.93	23.2	22.4	29	32.5	28.2	26.2	26.9	32.9	21.7	91	95	70	59	69	78	77	....
26..	59.76	60.27	60.97	58.92	58.64	60.34	59.82	24.2	23.6	30.7	31.6	28	26	27.4	33.2	23.1	90	93	67	62	70	82	77.3	....
27..	59.56	59.85	60.57	58.72	58.80	60.33	59.64	25	24.1	29.6	31.1	27.5	24.2	26.9	32	23.2	92	95	67	56	70	86	77.7	....
28..	59.58	59.81	60.30	57.87	58.24	60.03	59.30	23	22	29.5	32.1	29	27	27.1	32.9	21.4	87	91	71	55	76	77	76.2	....
29..	59.31	59.83	60.06	57.53	58.06	59.64	59.07	24.8	23.5	30.7	33.4	30	27	28.2	34	23	89	96	67	56	69	86	77.2	....
30..	59.07	59.75	60.19	57.58	57.53	59.23	58.89	25.5	24	30.8	32.8	30	25.6	28.1	33.9	23.4	88	91	60	48	53	77	69.5	....
Mean	58.25	58.53	59.25	57.28	57.73	59.27	58.39	24.7	24	28.9	31	27.6	25.7	27	31.8	23.3	91.8	94.7	74.8	66.5	77.1	87.3	82	....
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	81.7

Day.	Wind.													Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction.		Amount.	Form and direction.	
															Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	SSW	2	SSW	3	S	4	S	5	S	5	S	4	3.8	10	Ci.-S.	N. SW	8	Ci.-S.	Cu. SSW
2..	S	4	S	4	S	4	S	3	S	2	Calm	....	2.8	7	Ci.	Cu. SSW	7	Ci.	Cu.-N. SSW
3..	S	1	Calm	....	SW	1	S	3	Calm	....	Calm	....	.8	6	Ci.	S.-Cu.	5	Ci.	Cu.-N.
4..	Calm	....	Calm	....	N	2	NW	3	Calm	....	Calm	....	.8	6	Ci.	Cu.	4	Ci.	Cu.-N.
5..	Calm	....	Calm	....	NE	1	N	3	NW	4	NW	1	1.5	4	Ci.	Cu.	4	A.-Cu.	Cu.
6..	N	1	Calm	....	NE	1	WNW	3	WNW	2	WNW	2	1.5	5	A.-Cu.	Cu.	4	Ci.	Cu.-N.
7..	NW	1	Calm	....	WNW	3	SW	1	SW	2	N	2	1.5	7	A.-Cu.	Cu. N	9	Ci.-S.	Cu.-N. NW
8..	N	1	N	1	NW	1	NW	2	NE	2	Calm	....	1.2	10	Ci.-S.	S. N	5	Ci.	Cu. NE
9..	NE	1	NE	1	SE	2	SE	3	S	2	Calm	....	1.5	5	Ci.	Cu.	8	Ci.-S.	Cu.-N. E
10..	Calm	....	Calm	....	S	2	S	2	E	2	NW	2	1.3	10	Ci.-S.	S.	4	Ci.	Cu.-N.
11..	NE	1	Calm	....	NW	1	Calm	....	NW	1	S	1	.7	7	Ci.	Cu.-N. NE	9	Ci.-S.	Cu. NE
12..	Calm	....	Calm	....	W	1	S	2	S	1	NW	1	.8	10	Ci.-S.	S.	9	Ci.-S.	Cu. NW
13..	NW	1	Calm	....	SW	2	SW	2	Calm	....	SW	1	1	8	Ci.-S.	S.-Cu.	6	Ci.	Cu. WSW
14..	SW	1	SW	1	SSW	3	SSW	4	SSW	1	Calm	....	1.7	7	A.-Cu.	S.-Cu. WSW	4	Ci.	Cu. SSW
15..	S	1	Calm	....	SE	2	SE	4	SE	2	SE	1	1.7	7	Ci.	S.-Cu. SSW	7	Ci.	Cu.-N. S
16..	SE	1	Calm	....	SE	3	ESE	4	ESE	4	ESE	1	2.2	8	Ci.	Cu. S	5	Ci.	Cu. SE
17..	Calm	....	Calm	....	NE	2	NE	4	ESE	4	Calm	....	1.7	6	Ci.	Cu.	6	Ci.	Cu. E
18..	NE	1	Calm	....	E	1	E	2	E	2	E	2	1.3	7	Ci.	Cu.-N. E	9	Ci.	Cu. E
19..	Calm	....	Calm	....	E	3	E	3	E	3	E	1	1.7	4	Ci.	S.-Cu.	4	Ci.	Cu. E
20..	N	1	N	1	NE	2	E	3	E	2	E	2	1.8	3	Ci.	Cu.	5	A.-Cu.	Cu. E
21..	NW	1	NE	1	E	4	E	2	ESE	2	N	1	1.8	4	Ci.	S.-Cu. E	6	Ci.	Cu. E
22..	NW	1	NE	1	E	3	E	4	ESE	2	Calm	....	1.8	6	Ci.	Cu. E	5	Ci.	Cu. E
23..	NW	1	Calm	....	E	4	ESE	4	ESE	4	Calm	....	2.2	4	Ci.	Cu.	5	A.-Cu.	Cu. E
24..	N	1	Calm	....	NE	1	E	4	ESE	3	Calm	....	1.5	2	Ci.	Cu.	5	Ci.	Cu. E
25..	NW	1	NW	1	NW	3	E	3	E	2	E	1	1.8	4	Ci.	Cu.	5	Ci.	Cu. E
26..	NW	1	Calm	....	NNE	3	E	4	ESE	3	Calm	....	1.8	3	Ci.	Cu.	6	Ci.	Cu. E
27..	Calm	....	Calm	....	E	1	ESE	3	ESE	2	N	1	1.2	5	Ci.	Cu.	8	Ci.-S.	Cu.
28..	N	1	NE	1	NE	1	S	2	Calm	....	Calm	....	.8	6	Ci.	Cu.	5	Ci.	Cu.
29..	Calm	....	Calm	....	NE	1	NE	2	E	2	Calm	....	.8	3	Ci.	Cu.	4	Ci.	Cu. NE
30..	Calm	....	Calm	....	NE	1	SE	2	SE	1	Calm	....	.7	3	Ci.	Cu.	4	Ci.	Cu. E
Mean	......	0.8	......	0.5	......	2.1	......	2.9	......	2.1	......	0.8	1.5	5.9	....	....	5.8	....	....

SAN ISIDRO, NUEVA ECIJA

[ϕ=15° 19′ N; λ=120° 55′ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.73	59.23	59.79	57.46	57.84	59.29	58.72	24	22.2	30.1	32	29.6	26.6	27.4	33.1	21.6	83	94	62	54	67	84	74	....
2..	57.97	58.10	58.49	55.88	55.98	58.32	57.46	25.5	24.5	30	33.4	30	25.1	28.1	34.4	23.8	88	92	70	55	67	94	77.7	29.5
3..	57.65	57.98	58.78	56.12	56.32	58.03	57.48	24.8	24.5	29	31.8	30	26	27.7	33.1	24	95	96	79	62	74	95	83.5	8.4
4..	57.64	58	58.75	56.30	56.56	58.09	57.56	25	24.4	29.6	32.9	28.6	26.8	27.9	33.1	24	95	97	77	67	84	90	85	....
5..	57.41	57.94	58.62	55.49	56.26	58.33	57.34	26.4	25.9	27.6	32.2	28.5	26	27.8	32.6	25.4	94	96	86	65	83	93	86.2	33.8
6..	57.87	58.65	59.26	56.41	57.23	59.51	58.16	25	24.5	27	30.9	28	25.8	26.9	32	23.8	95	96	89	74	88	90	88.7	....
7..	58.03	59.21	60.03	57.38	58.49	59.79	58.82	24.5	23.5	28	29.7	25.5	25.2	26.1	31.5	23.2	94	96	85	76	92	97	90	5.1
8..	58	58.23	59.73	56.54	56.42	57.93	57.81	24.8	24.6	25.1	27	25.3	25	25.3	27.2	24.1	97	98	98	92	94	97	96	8.6
9..	56.55	56.56	57.45	55.19	56.17	57.06	56.50	24.8	24.5	26.5	28.2	25.1	24.6	25.6	28.8	23.9	97	97	92	86	98	98	94.7	17.6
10..	56.51	56.71	57.20	55.89	56.76	58.52	56.93	24.5	24.5	28	25.3	24.1	23.8	25	30.2	23.4	98	98	85	97	97	97	95.3	24.3
11..	57.56	57.98	58.95	57.06	58.46	60.41	58.40	23.8	23.7	28	30.1	25	23.8	25.7	30.9	23	98	98	86	75	96	97	91.7	1.5
12..	60.35	60.41	61.05	58.88	59.52	61.79	60.33	23.8	23.7	27	30.4	27.8	25.6	26.4	30.8	23.2	97	97	84	78	83	93	88.7	....
13..	60.61	60.82	61.62	58.97	59.37	61.20	60.43	23.8	23.2	29	31.6	28	26.6	27	31.8	22.9	97	97	78	67	85	92	86	3
14..	59.21	59.56	59.64	57.06	57.43	59.40	58.72	24.4	24	28.2	32.9	28.4	25	27.2	33.1	23.6	97	98	80	63	75	95	84.7	4.3
15..	56.96	56.51	57.84	55.63	55.96	56.85	56.62	24.2	24	27.5	28.4	26.2	25.2	25.9	29.4	23.4	95	94	87	84	90	93	90.5	2.3
16..	56.23	57.01	57.92	56.12	56.78	58.46	57.09	24.6	24.2	29.4	27.7	26.7	25.4	26.3	31	23.8	97	98	82	91	86	97	91.8	3.1
17..	57.36	58.40	59.28	56.60	57.02	59.10	57.96	25	24.7	28	30.4	27.6	25.6	26.9	30.9	24.2	98	98	85	72	87	97	89.5	....
18..	58.01	58.15	59.09	56.38	56.97	58.90	57.92	24.6	24.5	28.6	29.6	28.4	26.5	27	31.4	24	97	97	83	75	85	92	88.2	....
19..	57.84	58.21	58.96	55.97	57.72	59.39	58.02	25.4	24.7	29.5	31.1	27.6	25.1	27.2	32.1	24.4	95	97	78	68	87	95	86.7	23.6
20..	58.56	59.20	60.12	58.06	58.70	60.66	59.22	24.8	24.6	27.5	29.8	27	24.5	26.4	30.4	23.8	95	95	81	69	75	92	84.5	3
21..	60.08	60.21	60.93	59.13	60.31	61.20	60.31	23.5	22.9	28.5	29.5	25.8	23.8	25.7	30.4	22.4	96	97	70	68	81	90	83.7	....
22..	60.63	60.96	60.88	59.08	59.65	60.82	60.34	22.8	22.4	27.9	28.9	27	26	25.8	30.1	21.5	91	92	74	64	74	84	79.8	.5
23..	60.13	60.57	61.23	59.24	59.79	61.19	60.36	24.6	23.4	28	30.2	27.8	25.6	26.6	31.4	22.9	92	96	77	64	74	87	81.7	....
24..	59.96	60.38	60.91	58.28	58.69	60.52	59.79	23.6	23	29.4	31.5	27.5	26	26.8	32.4	22.5	95	97	67	60	76	86	80.2	....
25..	59.59	60.31	61.07	58.59	59.31	60.61	59.91	25	24.3	26.3	28	26	24.4	25.7	28.6	23.6	92	93	88	74	88	93	88	....
26..	60.02	60.68	61.40	58.93	59.89	61.44	60.39	23.8	22.8	26.3	27.5	25.5	24.6	25.1	29.8	22.1	95	97	87	81	88	93	90.2	1.3
27..	60.02	60.69	62.01	59.54	60.04	61.35	60.61	23.8	23	24.1	28.1	25.6	24	24.8	29.1	22.5	97	96	96	78	85	96	91.3	3
28..	60.03	60.41	60.78	58.52	59.30	60.41	59.91	23.6	22.7	26.2	29	26.9	24.4	25.5	30.4	22.4	95	97	90	76	79	91	88	....
29..	59.21	60.02	61.29	58.60	59.51	60.89	59.92	23.2	22.9	28.1	28	26.6	24.6	25.6	29.4	22.4	95	96	79	80	84	95	88.2	2.8
30..	59.75	59.86	60.44	58.06	58.83	60.31	59.54	23.8	23.5	30.9	31	27.1	25.5	27	32	23.4	95	96	67	69	80	88	82.5	....
31..	58.93	59.80	61	58.20	58.55	60.56	59.51	24.2	23.6	24.1	27	26.1	25	25	28.4	22.6	95	97	96	86	88	92	92.3	13.2
Mean	58.63	59.06	59.82	57.41	58.06	59.69	58.78	24.4	23.8	27.9	29.8	27.1	25.2	26.4	31	23.3	94.8	96.2	81.9	73.2	83.5	92.7	87.1	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	188.9

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	N	1	Calm	....	NE	1	S	2	Calm	....	Calm	....	0.7	2	Ci.	Cu.	4	A.-Cu.	Cu.-N.
2..	NE	1	E	1	NE	1	S	2	NW	2	NW	1	1.3	3	Ci.	S.-Cu.	3	A.-Cu.	Cu.-N.
3..	NW	1	Calm	....	NE	1	NW	1	SW	1	SW	2	1	5	Ci.	Cu. N	3	Ci.	Cu.
4..	SW	1	SW	1	WNW	2	W	1	N	2	SW	1	1.3	6	Ci.	Cu.	6	Ci.	Cu. WNW
5..	Calm	....	Calm	....	SW	2	SW	2	S	3	S	2	1.5	9	Ci.-S.	Cu.-N. WNW	5	Ci.	Cu.-N.
6..	S	3	S	2	S	1	S	2	S	1	NW	2	1.8	8	Ci.-S.	Cu. SSW	4	Ci.	Cu.-N.
7..	N	1	Calm	....	NE	1	E	2	E	2	Calm	....	1	2	Ci.	Cu.	5	Ci.	Cu.-N. E
8..	Calm	....	Calm	....	NE	1	Calm	....	NE	1	NE	1	.5	9	Ci.-S.	Cu.-N.	10	Ci.-S.	N. NE
9..	NE	1	Calm	....	NE	2	NE	1	ESE	2	Calm	....	1	10	Ci.-S.	N. E	10	Ci.-S.	S.-Cu. ENE
10..	ESE	1	Calm	....	NE	1	SSE	3	S	4	S	2	1.8	10	Ci.-S.	S.-Cu. SE	10	Ci.-S.	N. S
11..	S	2	Calm	....	S	2	SSW	4	SSW	2	S	3	2.2	6	Ci.	S.-Cu.	7	Ci.	Cu.-N.
12..	S	1	Calm	....	S	2	S	2	E	1	Calm	....	1	5	Ci.	S.-Cu. SSW	5	Ci.	Cu. SSW
13..	N	1	Calm	....	NE	1	N	1	NE	1	NE	1	.8	4	Ci.	Cu.	5	Ci.	Cu. NE
14..	N	1	N	2	NE	3	NE	4	ENE	3	ENE	1	2.3	4	Ci.	Cu.	5	Ci.	Cu. NE
15..	NE	2	NE	1	NE	2	NE	3	E	2	ESE	2	2	9	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	N. E
16..	SE	1	Calm	....	ESE	2	SE	2	SE	1	SE	1	1.2	6	Ci.	Cu.-N.	10	Ci.-S.	Cu.-N. SE
17..	S	1	Calm	....	S	2	S	3	S	2	Calm	....	1.3	7	Ci.	Cu. S	5	Ci.	Cu. SSW
18..	S	1	Calm	....	SW	1	WSW	4	SW	1	N	1	1.3	7	Ci.	S. SW	5	A.-Cu.	Cu. W
19..	SW	1	Calm	....	W	1	W	1	W	2	WNW	1	1	6	Ci.	Cu.	5	Ci.	Cu. WNW
20..	W	1	W	1	NE	1	NE	2	E	4	E	1	1.7	10	Ci.-S.	S.	6	Ci.	Cu.-N. NE
21..	E	1	Calm	....	N	1	ESE	4	ESE	2	Calm	....	1.3	6	Ci.	Cu.	5	Ci.	Cu.-N.
22..	N	1	Calm	....	ESE	2	ESE	2	ESE	2	Calm	....	1.2	6	A.-Cu.	Cu. E	8	A.-Cu.	Cu. E
23..	NE	1	NE	1	NE	1	NE	2	ESE	2	NW	2	1.5	3	Ci.	S.-Cu.	7	A.-Cu.	Cu.-N. E
24..	N	1	NE	1	NE	1	N	1	E	2	N	1	1.2	6	Ci.	S. E	4	Ci.	Cu. E
25..	NE	1	NE	1	NE	1	ESE	2	NNE	2	N	1	1.3	9	Ci.-S.	Cu.-N. E	7	Ci.-S.	Cu.-N.
26..	N	1	Calm	....	NE	1	NE	1	E	2	NE	1	1	5	Ci.	Cu.-N.	8	Ci.	Cu.-N. E
27..	N	1	NE	1	Calm	....	NE	1	E	1	Calm	....	.7	7	Ci.	Cu.-N. E	6	Ci.-S.	Cu.-N. E
28..	N	1	Calm	....	N	1	NE	1	ESE	3	NE	1	1.2	6	Ci.	Cu. E	6	Ci.	Cu.-N.
29..	N	1	Calm	....	E	2	E	1	E	2	E	1	1.2	4	Ci.	Cu. E	7	Ci.	Cu. E
30..	N	1	Calm	....	NE	1	E	2	E	2	NE	1	1.2	6	Ci.	Cu. E	7	Ci.	Cu.-N. E
31..	N	1	Calm	....	NE	2	E	1	NE	1	N	1	1	7	Ci.	Cu.-N. E	9	Ci.-S.	Cu.-N. E
Mean	......	1.1	......	0.4	......	1.4	......	1.9	......	1.9	......	1	1.3	6.2	....	....	6.4	....	....

SAN ISIDRO, NUEVA ECIJA

[ϕ=15° 19′ N; λ=120° 55′ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.58	59.89	60.84	58.93	59.71	61.51	60.08	23	22.6	27.5	29	26.5	24.4	25.5	30	22.1	97	98	78	80	85	94	88.7	23.9
2..	60.03	60.48	61.51	59.52	59.83	60.81	60.36	23.4	23.1	26.3	29.3	26.6	24.2	25.5	30.1	22.7	97	97	90	79	80	95	89.7	....
3..	59.58	60.46	61.07	58.63	59.35	60.59	59.95	23.2	22.9	28.5	31.2	27	25.2	26.3	32	22	95	96	77	66	80	90	84	....
4..	59.71	60.18	60.61	58.67	59.30	60.14	59.77	24	23.5	30	31	27.5	24.8	26.8	31.7	22.3	91	91	71	55	73	90	78.5	....
5..	58.83	59.58	60.23	57.87	58.16	59.86	59.09	23.4	23	29.7	31.5	26.6	23.7	26.3	32.7	22.5	93	93	73	59	74	85	79.5	....
6..	58.71	59.38	59.70	57.58	58.55	60.10	59	21.8	20.5	29	30	26.9	24.8	25.5	32	19.5	93	95	69	70	75	87	81.5	....
7..	59.14	59.98	60.80	58.49	59.21	60.60	59.70	22.7	21.5	28	30.4	26.8	24.8	25.7	30.7	20.8	94	95	74	66	80	90	83.2	.8
8..	59.76	60.04	60.37	58.17	58.71	59.76	59.47	24	22.9	30.1	28.6	25.6	24.7	26	31.4	22.1	95	97	68	78	84	89	85.2	....
9..	58.88	59.01	59.62	56.57	57.39	58.96	58.40	22.8	21.6	29.1	31	27.6	25.6	26.3	31.6	21.4	93	97	70	59	77	88	80.7	....
10..	58.03	58.36	58.29	55.95	56.93	58.30	57.64	24.6	23.6	29.2	31.5	26.8	25	26.8	32.4	22.9	92	95	78	63	86	92	84.3	....
11..	57.86	58.02	58.29	55.81	57.17	58.31	57.58	24.2	23.8	28.3	31.7	27.8	26.2	27	32.4	23	97	97	77	66	82	92	85.2	1.3
12..	57.84	58.27	58.84	56.72	57.58	59.20	58.08	25.2	23.6	28.8	32	27.5	25	27	32.2	23	95	97	79	63	78	92	84	3.8
13..	57.96	58.87	59.78	57.77	59.06	60.39	58.97	24	23.5	29.5	30.1	26.2	25.2	26.4	31.2	22.8	96	96	72	69	85	90	84.7	....
14..	59.70	59.98	60.54	58.19	59.01	60.17	59.60	24.5	22.6	27	30.5	26.4	23.8	25.8	31.4	22	92	95	78	63	79	88	82.5	....
15..	59.26	59.80	60.45	57.67	58.57	60.01	59.29	22.6	21.5	27.4	29.8	25.9	23.5	25.1	31.4	21	91	91	73	65	75	87	80.3	....
16..	58.71	58.84	59.61	56.77	57.74	59.20	58.48	21.8	20.5	27.5	31.3	27.5	24.5	25.5	32	20	95	95	76	63	73	89	81.8	....
17..	58.32	58.69	59.25	56.71	58.13	58.46	58.26	23.6	22.5	29	32.1	27.6	24.6	26.6	32.5	21.6	95	96	77	62	84	93	84.5	....
18..	57.48	57.67	59.05	56.93	57.38	58.58	57.85	24	23.5	24	26	23.8	23.7	24.2	26.1	22.9	95	96	96	87	98	98	95	10.8
19..	58.29	58.81	59.77	57.64	58.26	59.67	58.74	23.2	23.4	28.8	27.3	24.5	24	25.2	30	22.5	98	98	79	84	96	97	92	6.8
20..	58.08	58.77	59.55	57.39	58.16	59.39	58.56	23.5	22.5	28.5	30.2	26.6	25	26	30.9	22	98	99	84	74	94	95	90.7	....
21..	58.01	58.38	58.53	56.25	58.16	59.22	58.09	24	23	28.5	31	24	23.8	25.7	31.5	22.6	98	98	77	63	93	97	87.7	3.8
22..	58.36	59.08	60.55	58.02	58.85	59.96	59.14	23.7	23.4	27.5	29	25	24	25.4	30.3	22.9	97	97	76	64	80	85	83.2	....
23..	59.86	60.12	60.99	59.13	59.80	61.08	60.16	23.2	23	27	27.4	24.1	23	24.6	28.8	22.5	91	91	71	74	85	91	83.8	.3
24..	60.48	60.73	61.48	59.41	60.10	61.22	60.57	22.5	22.1	26.1	27.6	24	21.6	24	27.9	20.1	94	96	76	66	80	86	83	....
25..	60.95	61.06	61.74	59.38	60.16	61.70	60.83	20.4	18.8	26.7	28.7	24.4	21.5	23.4	30	18.4	87	92	58	56	72	87	75.3	....
26..	60.95	61.37	61.78	58.94	59.57	60.23	60.47	19.5	18	26.8	29.5	25.8	23.8	23.9	30.4	17.5	86	95	60	56	75	86	76.3	1.6
27..	59.08	59.89	60.33	58.65	58.74	59.56	59.38	22.5	22.3	25	27.5	25.2	24.1	24.4	28	21.6	96	97	95	81	90	92	91.8	22.3
28..	59.02	59.77	61.26	59.57	61.04	61.76	60.40	24	23.5	25.1	26.6	23.9	23.4	24.4	27	22.4	96	97	95	89	92	95	94	8.9
29..	60.63	61.08	61.89	59.72	60.32	61.26	60.82	22.8	22.8	27.5	25.9	24.5	23.8	24.6	28.4	22	97	97	85	93	95	95	93.7	4.6
30..	60.08	61.19	62.16	59.29	60.58	61.76	60.84	23	22.8	24	28	23.6	23.1	24.1	28	22	97	97	97	80	95	96	93.7	19
Mean	59.11	59.59	60.30	58.01	58.85	60.06	59.32	23.2	22.4	27.7	29.5	25.9	24.2	25.5	30.5	21.7	94.4	95.7	77.6	69.8	83.2	91	85.3	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	107.9

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	NW	1	Calm	....	E	2	E	2	E	2	E	3	1.7	6	Ci.-S.	Cu.-N.	9	Ci.-S.	S.-Cu. E
2..	NW	1	Calm	....	NE	1	NE	2	NE	1	NE	1	1	8	Ci.	Cu.	6	Ci.	Cu. E
3..	N	1	N	1	NE	3	E	2	E	2	NE	1	1.7	5	Ci.	Cu. E	4	Ci.	Cu. E
4..	NE	1	NE	2	NE	3	E	4	E	2	NE	1	2.2	5	Ci.	Cu. E	2	Ci.	Cu. E
5..	NE	1	Calm	....	E	3	E	4	SE	2	N	1	1.8	3	Ci.	Cu. E	4	Ci.	Cu. E
6..	N	1	N	1	NE	2	E	2	E	2	NE	1	1.5	2	Ci.	Cu.	6	A.-Cu.	Cu. E
7..	NE	1	N	1	N	2	E	3	E	2	E	2	1.8	1	Ci.	....	4	Ci.	Cu. E
8..	N	1	Calm	....	E	3	ESE	3	ESE	3	N	1	1.8	6	Ci.	Cu. E	5	A.-Cu.	Cu. ESE
9..	N	1	N	1	NE	1	E	1	E	2	Calm	....	1	3	Ci.	Cu.	4	Ci.	Cu.
10..	NE	1	Calm	....	NNW	2	NW	4	NE	4	NW	1	2	5	A.-Cu.	Cu. N	4	Ci.	Cu. N
11..	NW	2	Calm	....	NE	1	NW	3	NW	2	Calm	....	1.3	9	Ci.	S. N	4	Ci.	Cu. NE
12..	N	1	Calm	....	NE	2	NE	2	E	3	NE	1	1.5	3	Ci.	Cu.	4	Ci.	Cu. NE
13..	NE	1	NE	1	NE	2	E	3	E	2	N	1	1.7	5	Ci.	Cu.	5	A.-Cu.	Cu. E
14..	NE	1	NE	1	NE	2	NE	3	Calm	....	Calm	....	1.2	6	Ci.	Cu.	7	Ci.	Cu.
15..	N	3	NE	1	NE	4	NE	2	E	3	N	1	2.3	8	Ci.	Cu.	7	Ci.	Cu. ENE
16..	N	1	N	1	NE	4	NE	1	NE	1	N	1	1.5	4	Ci.	Cu.	6	Ci.	Cu. E
17..	N	1	N	1	NE	1	NE	1	N	2	N	1	1.2	4	Ci.	Cu.	6	Ci.	Cu. ENE
18..	N	1	NE	1	NE	2	NE	5	ENE	1	ENE	1	1.8	9	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	N. ENE
19..	Calm	....	Calm	....	E	3	ESE	2	E	2	N	2	1.5	7	Ci.	Cu. E	9	Ci.-S.	Cu.-N. ESE
20..	N	1	Calm	....	E	1	E	2	Calm	....	E	1	.8	6	Ci.	Cu. E	7	Ci.	Cu.-N. E
21..	NE	1	NE	1	NE	1	SE	2	NE	1	NE	1	1.2	2	Ci.	Cu.	4	Ci.	Cu.-N.
22..	NE	1	NE	1	NE	1	NE	2	E	1	Calm	....	1	6	Ci.	Cu. E	6	Ci.	Cu. E
23..	Calm	....	Calm	....	NW	1	E	3	E	2	N	1	1.2	10	Ci.-S.	Cu. NW	9	Ci.-S.	Cu.-N.
24..	N	1	N	1	N	1	E	2	E	1	NE	1	1.2	8	Ci.-S.	S.-Cu.	7	Ci.	Cu. E
25..	N	1	N	1	NE	1	NE	1	E	2	N	1	1.2	3	Ci.	Cu. E	6	Ci.	Cu. E
26..	N	1	N	1	NE	2	E	2	E	2	N	1	1.5	1	Ci.	....	5	Ci.	Cu. E
27..	Calm	....	Calm	....	N	1	NE	4	NE	2	Calm	....	1.2	8	Ci.	Cu. E	7	Ci.	Cu.-N. E
28..	Calm	....	E	1	NE	1	Calm	....	ESE	4	ESE	2	1.3	10	Ci.-S.	N. E	10	Ci.-S.	Cu.-N. E
29..	Calm	....	Calm	....	NE	1	E	1	E	1	E	1	.7	7	Ci.	Cu. E	10	Ci.-S.	Cu.-N. E
30..	NE	1	E	2	NE	2	NE	4	NE	2	N	1	2	10	Ci.-S.	N. E	8	Ci.-S.	Cu.-N. E
Mean	......	0.9	......	0.7	......	1.9	......	2.4	......	1.9	......	1	1.5	5.7	....	....	6.2	....	....

SAN ISIDRO, NUEVA ECIJA

[ϕ=15° 19′ N; λ=120° 55′ E; barometer above sea, 20 meters; gravity correction not applied, −1.69 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.49	60.71	60.76	58.74	60.34	61.06	60.35	23	22.5	28	29.5	25	23.2	25.2	30.4	21.8	96	96	77	75	90	93	87.8	3.3
2..	60.41	60.63	61.60	59.12	59.99	61.08	60.47	22.8	21.8	28.5	30.1	25.8	23	25.3	31.1	21.3	95	95	78	64	76	90	83	....
3..	59.71	60.08	60.50	58.04	58.90	59.18	59.40	21.5	21.2	28.5	30	26.2	23.8	25.2	31.4	20.4	94	95	74	65	79	90	82.8	.5
4..	58.26	58.39	59.09	56.51	56.81	57.96	57.84	23.4	23.2	27.1	28	26.2	24	25.3	29	22.4	93	94	81	79	84	95	87.7	10.6
5..	56.82	57.03	58.68	56.21	57	57.65	57.23	23.6	23.2	24.5	26	24.8	24	24.4	26.9	22.8	97	97	97	94	95	96	96	25.4
6..	57.06	57.43	58.50	56.28	57.40	58.43	57.52	24	23.6	27.4	29	25.9	24.8	25.8	30.6	23.2	97	98	87	81	94	95	92	9.1
7..	58.12	58.38	59.54	57.26	57.93	59.55	58.46	23.8	23.4	27.5	30	26	25	26	31	22.7	97	97	81	72	90	95	88.7	.8
8..	58.66	58.87	60.31	57.63	58.53	59.97	59	24	23.4	28	30.4	26	24.5	26	31.2	23	96	97	82	73	95	92	89.2	4.8
9..	59.02	59.46	60.61	58.52	59.36	60.66	59.60	23.8	22.6	27.5	30	26.5	24	25.7	30.4	22.1	93	98	84	68	80	93	86	....
10..	60.38	60.73	62.07	59.34	60.21	61.78	60.75	22	21.5	27.8	29.3	26.5	23.1	25	29.8	21	96	95	75	68	76	90	83.3	....
11..	60.66	61.18	61.70	59.54	60.33	61.44	60.81	22	20.7	27.5	30.7	26.1	24	25.2	31.9	20.1	95	97	76	58	76	90	82	....
12..	59.98	60.27	61.24	58.61	58.84	60.04	59.83	23.1	21.5	27.8	30.7	27.1	25	25.9	31.4	20.8	92	95	74	59	83	92	82.5	....
13..	59.28	59.50	60.06	57.14	57.90	58.91	58.80	22.5	21.4	27.8	30.6	27	24.6	25.6	31.1	20.9	96	96	76	65	77	92	83.7	1.5
14..	58.03	58.98	60.04	57.08	57.86	58.98	58.50	23.5	22.5	27.4	28.8	25.8	23.4	25.2	29.9	21.8	96	96	74	72	78	91	84.5	....
15..	58.68	59.09	60.64	58.09	58.83	60.21	59.26	22	20.8	27	29.6	26.1	23.8	24.9	30.4	20	93	96	72	64	76	93	82.3	....
16..	59.08	59.83	60.87	58.87	60.19	61.16	60	22	21	27	28.6	25.7	23.9	24.7	30.1	20.5	95	97	74	69	78	89	83.7	....
17..	60.71	61.13	61.92	60.14	60.61	61.86	61.06	21.5	20.7	27	29	25.7	23	24.5	30.7	20.3	95	97	71	69	78	91	83.5	....
18..	61.18	61.81	62.75	60.44	61.25	62.56	61.66	22.2	20.8	27	28.9	25.6	22.6	24.5	30.3	20.4	95	96	72	76	75	91	84.2	....
19..	61.89	62.40	63.49	61.17	62.12	63.60	62.44	21.5	20.2	26.6	29.5	25.6	22.9	24.4	30	19.8	94	96	75	60	71	88	80.7	....
20..	62.51	62.61	63.54	61.07	61.82	63.23	62.46	21.2	20.5	27.1	29.5	26.1	24	24.7	30.4	19.8	95	95	73	66	79	91	83.2	....
21..	61.86	62.51	63.50	61.26	62.39	63.75	62.54	22.6	21.5	28	30	25	23.1	25	30.4	21	95	97	74	69	79	94	84.7	.8
22..	62.69	62.64	63.48	61.19	62.10	63.11	62.54	22	20.4	27.4	29	24.8	23.5	24.5	29.4	19.7	95	94	74	74	88	90	85.8	....
23..	62.19	62	62.60	60.44	61.80	62.36	61.90	22	21.5	28.2	29.7	24.8	22.5	24.8	30.2	20.8	93	93	76	76	93	97	88	.8
24..	60.58	60.74	61.78	58.91	59.40	60.76	60.36	21.2	20	27	30.9	27	24	25	31.3	19	98	98	77	64	77	91	84.2	....
25..	59.63	60.02	61.20	58.78	59.64	61.01	60.05	23	21.5	28	31	26.9	24.4	25.8	31.5	20.9	97	99	81	67	79	91	85.7	....
26..	60.14	60.72	61.62	59.04	60	60.68	60.37	22.6	21.4	27.6	29.6	26	23.5	25.1	30.6	20.5	97	98	74	70	80	91	85	....
27..	60.04	60.65	61.79	59.38	59.69	61.35	60.48	22.5	21.4	28.2	31.4	27.6	25.6	26.1	32	20.6	96	96	79	66	81	90	84.7	....
28..	60.63	61.22	61.79	59.24	60.90	61.86	60.94	24.2	22.6	28	30.4	27	24.2	26.1	32	21.8	93	97	82	70	84	95	86.8	1.3
29..	61.50	61.86	62.84	60.52	61.64	62.96	61.89	23.5	23	27	28	24.5	23	24.8	29.4	22	96	96	75	71	80	88	84.3	....
30..	62.69	62.94	63.84	61.94	63.16	64.13	63.12	22	21	26.5	26.7	23	20	23.2	29	19.5	91	91	64	63	70	87	77.7	....
31..	64.01	64.18	65.21	62.04	62.86	64.11	63.74	18.2	17.2	24	27	23	19.8	21.5	28	16.5	94	96	65	56	70	89	78.3	....
Mean	60.22	60.58	61.53	59.11	59.99	61.14	60.43	22.5	21.5	27.3	29.4	25.8	23.6	25	30.4	20.9	95	96.1	76.6	69.1	81	91.6	84.9	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	58.9

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	N	1	Calm	....	NE	1	NE	1	NE	1	N	1	0.8	7	Ci.	Cu. E	7	Ci.	Cu.-N. E
2..	N	1	Calm	....	NE	3	E	2	E	2	N	1	1.5	4	Ci.	Cu. E	4	Ci.	Cu. E
3..	N	1	N	1	NE	2	ENE	1	ENE	1	NE	1	1.2	5	Ci.	Cu. E	4	Ci.	Cu. E
4..	NE	1	NE	1	NNE	4	NE	4	NE	2	NE	1	2.2	9	Ci.	Cu. E	10	Ci.-S.	N. E
5..	NE	1	Calm	....	NE	2	NE	2	Calm	....	E	1	1	10	Ci.-S.	N. E	10	Ci.-S.	Cu. E
6..	Calm	....	Calm	....	NE	1	ENE	4	Calm	....	ESE	1	1	10	Ci.-S.	N. ESE	8	Ci.-S.	Cu.-N. ESE
7..	Calm	....	Calm	....	N	1	SE	1	S	1	Calm	....	.5	8	Ci.	Cu. SE	6	Ci.	Cu. S
8..	N	1	Calm	....	WSW	1	SE	1	Calm	....	NE	1	.7	6	Ci.	Cu. ESE	5	Ci.	Cu. SE
9..	Calm	....	Calm	....	E	1	E	4	E	2	N	1	1.3	4	Ci.	Cu. E	4	Ci.	Cu. E
10..	N	1	N	1	NE	2	NE	3	NE	1	N	1	1.5	4	Ci.	Cu. E	6	Ci.	Cu. E
11..	NW	1	NW	1	NE	1	E	4	E	4	E	2	2.2	3	Ci.	Cu.	5	Ci.	Cu. E
12..	N	1	Calm	....	NE	1	NE	1	Calm	....	NE	2	.8	4	Ci.	Cu. E	3	Ci.	Cu. E
13..	N	1	N	1	NE	1	NNE	2	E	3	E	2	1.7	2	Ci.	Cu.	5	Ci.	Cu. E
14..	NE	1	Calm	....	NE	1	NE	1	E	3	N	1	1.2	4	Ci.	Cu.	7	Ci.	Cu. E
15..	N	1	N	1	N	1	E	1	E	1	Calm	....	.8	3	Ci.	Cu.	5	A.-Cu.	Cu. E
16..	N	1	Calm	....	NE	1	E	4	E	2	Calm	....	1.3	3	Ci.	Cu.	9	Ci.	Cu.-N. E
17..	N	1	Calm	....	NE	1	E	3	E	2	N	1	1.3	3	Ci.	S.-Cu.	5	Ci.	Cu. E
18..	N	1	Calm	....	N	1	NE	1	E	3	N	1	1.2	4	Ci.	Cu.	8	Ci.	Cu. E
19..	N	1	Calm	....	NE	1	E	4	E	4	E	1	1.8	5	Ci.	Cu.	5	Ci.	Cu. E
20..	N	1	N	1	NE	1	E	3	E	3	N	1	1.7	6	Ci.	Cu. E	3	Ci.	Cu. E
21..	NW	1	NW	1	NE	1	ENE	3	E	4	Calm	....	1.7	5	Ci.	Cu.	5	Ci.	Cu. ENE
22..	NW	1	NW	1	NE	3	NE	3	E	3	NE	2	2.2	3	Ci.	Cu. E	8	Ci.	Cu. E
23..	N	1	N	1	NE	3	NE	3	NE	2	Calm	....	1.7	6	Ci.	Cu. E	5	Ci.	Cu. E
24..	N	1	N	1	NE	1	NE	1	E	2	NE	1	1.2	5	Ci.	Cu.	3	Ci.	Cu. NE
25..	N	1	Calm	....	N	3	E	2	E	4	N	1	1.8	7	Ci.	Cu.	5	Ci.	Cu. E
26..	N	1	N	1	N	2	E	4	E	4	Calm	....	2	3	Ci.	Cu.	7	A.-Cu.	Cu. E
27..	N	1	N	1	NNE	3	NNE	2	NNE	1	NW	1	1.5	4	Ci.	Cu.	5	A.-Cu.	Cu. E
28..	NW	1	N	1	NE	2	NE	2	Calm	....	NW	1	1.2	2	Ci.	Cu.	8	Ci.	Cu. NE
29..	NW	1	Calm	....	NE	1	E	3	NE	3	NNE	2	1.7	8	Ci.	Cu.-N.	6	Ci.	Cu. E
30..	NNE	1	NE	1	NE	3	E	5	ESE	5	NE	1	2.7	6	Ci.	S.-Cu. NE	5	Ci.	Cu. E
31..	N	1	NE	1	NE	1	ENE	4	E	4	N	1	2	2	Ci.	Cu.	2	Ci.	Cu.
Mean	......	0.9	......	0.5	......	1.6	......	2.5	......	2.2	......	1	1.5	5	....	....	5.7	....	....

DAGUPAN

[ϕ=16° 03′ N; λ=120° 20′ E; barometer above sea, 2.71 meters; gravity correction not applied, —1.67 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.17	60.72	62.10	59.76	60.95	62.08	60.96	23.4	22.4	30.3	32	27.2	24.5	26.6	34.5	22	81	80	54	51	81	92	73.2	....
2..	61.54	61.81	62.76	60.40	60.79	62.03	61.56	23	21.5	29.4	30.4	26.6	26.5	26.2	31.1	21	94	95	68	66	83	84	81.7	....
3..	61.15	61.47	62.93	60.74	61.40	62.56	61.71	26.1	23.5	29.9	30	26.5	26.1	27	31.6	22.8	86	94	69	69	80	85	80.5	....
4..	62.14	62.82	63.78	61.48	61.75	62.63	62.43	24.2	22.6	28.6	29.5	26.7	24.9	26.1	30.4	22.2	91	96	76	71	80	88	83.7	....
5..	62.01	62.80	63.76	61.89	63.14	64.15	62.96	22.9	22.5	30.7	29.7	26.6	23.6	26	33.2	21.8	89	89	60	71	80	85	79	1.3
6..	63.85	64.37	64.90	62.39	63.60	64.18	63.88	22.8	22.5	29	32.4	28	23.6	26.4	32.7	21.8	84	73	53	40	63	70	63.8	....
7..	63.05	62.92	63.62	60.97	62.42	63.60	62.76	23.4	22.3	29.8	33.4	26.8	23.2	26.5	34.2	21.8	71	74	52	39	77	80	65.5	....
8..	62.32	62.62	63.20	60.04	60.47	61.65	61.72	23.1	21.3	30.4	31.5	28.8	24.6	26.6	33.1	20.8	79	86	54	54	55	73	66.8	....
9..	60.81	61	62.19	59.59	60	61	60.76	22.8	20.6	30	30.7	27	26.1	26.2	31.8	20.1	81	90	60	57	78	86	75.3	....
10..	59.81	59.92	60.90	58.13	58.57	60.10	59.57	23.2	21.2	29	35.3	27.4	26.2	27	35.6	20.8	90	94	63	35	78	85	74.2	....
11..	59.15	59.47	60.65	58.39	59.08	60.30	59.51	23.5	21.2	29	31.3	26.8	25.9	26.3	33.1	20.8	88	95	65	58	77	81	77.3	....
12..	59.45	59.64	61.23	58.99	59.46	60.80	59.93	24	20.8	28	29.7	25.9	25.4	25.6	30.5	20.3	91	96	71	64	78	79	79.8	....
13..	60	60.17	62	59.70	59.91	61.48	60.54	21.2	18.3	26.9	28.5	25.6	25.1	24.3	29.5	17.9	85	95	66	56	71	80	75.5	....
14..	61.33	61.83	63.43	60.85	61.55	62.69	61.95	20.6	19.4	28.2	31	26.7	24.2	25	33.4	18.9	92	94	63	58	71	85	77.2	....
15..	62.14	62.27	63.39	61.35	61.50	62.71	62.23	22.2	21	29.3	29.7	26.6	26.1	25.8	30.4	20.2	85	89	62	61	74	79	75	....
16..	62	62.21	63.40	61.17	61.73	63.03	62.26	23	21.5	29.6	30.8	26.8	25	26.1	31.9	21	88	95	63	57	77	88	78	....
17..	62.77	63.05	64.45	62.32	62.78	64.47	63.31	22.7	20.5	29.5	31.5	27.4	24.1	26	33.4	20	80	88	56	50	68	70	68.7	....
18..	63.42	63.72	65.02	62.65	62.86	64.29	63.66	22.5	19.5	29.4	31	27	24	25.6	33.6	19	78	90	55	50	63	82	69.7	....
19..	63.89	64.08	65.18	62.74	63.55	64.34	63.96	21.2	19.5	28.9	30	26.5	24.1	25	32.5	19	89	89	58	56	75	85	75.3	....
20..	63.47	63.62	64.50	61.74	62.04	63.66	63.17	22.1	20.7	29.5	28.5	26.1	23.1	25	30.9	20.1	80	87	55	63	75	74	72.3	....
21..	63.42	63.27	64.87	62.18	62.43	63.78	63.32	22	21.3	29	29.8	26.4	23	25.2	31.3	21	78	79	52	56	73	76	69	....
22..	63.12	63.47	64.43	61.75	61.84	63.05	62.94	20.6	19.1	28.6	29.8	26	23.2	24.6	32.7	18.8	86	92	54	58	74	71	72.5	....
23..	62.21	62.31	63.60	60.58	60.93	62.77	62.07	22	20.5	28.8	30.7	26.3	22.5	25.1	33.7	20	77	81	47	46	73	66	65	....
24..	62.06	62.36	63.31	60.12	60.68	61.70	61.70	19.2	16.7	27.6	33	26.4	23.2	24.4	33.8	16.3	84	93	51	38	63	77	67.7	....
25..	61.15	61.91	63.15	60.43	60.46	61.68	61.46	19.8	18.1	28.4	29	25.9	24.7	24.3	32.7	17.8	89	94	60	59	77	78	76.2	....
26..	61.32	62.02	63.58	60.58	61.18	62.51	61.86	20.8	19.4	27.6	32.3	26.7	23.2	25	33.6	18.9	93	92	62	42	75	73	72.8	....
27..	61.70	62.38	63.80	60.68	61.26	62.94	62.13	21.3	20.2	28.1	32.6	26.3	22	25.1	33.1	19.7	79	80	51	36	70	88	67.3	....
28..	62.52	62.18	63.52	60.49	60.45	61.62	61.80	20.1	17.6	27.9	29.4	26.4	24.3	24.3	30.9	17	84	92	59	62	66	79	73.7	....
29..	60.82	61.35	62.62	60.06	61.09	62.21	61.36	23.1	21.4	30.2	34.2	26.5	24.9	26.7	34.9	20.8	82	87	50	46	77	83	70.8	....
30..	61.06	61.97	63.39	60.50	60.55	61.93	61.57	22.4	21.1	29.2	31.2	26.4	23.5	25.6	32.2	20.3	85	88	55	52	77	90	74.5	....
31..	60.62	60.82	61.84	59.75	60.21	61.73	60.83	20.3	18.4	29	30.9	26.5	25.5	25.1	34.5	17.6	81	81	49	57	68	74	68.3	....
Mean	61.76	62.08	63.27	60.72	61.25	62.51	61.93	22.2	20.5	29	31	26.7	24.4	25.6	32.6	20	84.5	88.6	58.5	54.1	73.5	80.2	73.2	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	S	S	SE	NNW	NNW	S	70	84.5	69.8	31.6	255.9	1	....	S.-Cu.	2	....	Cu.
2..	Calm	Calm	NNW	NW	NW	NW	15.5	39.2	120.7	85.9	261.3	0	....	Cu.	1	A.-Cu.	Cu.
3..	NW	E	SE	NW	NW	NW	28.7	33.8	101.1	83.1	246.7	0	....	Cu.	2	A.-Cu.	Cu.
4..	N	NE	NNE	NW	NWbyN	SW	28.8	28.4	86.9	30.9	175	7	A.-Cu.	S.-Cu.	5	A.-Cu.	Cu.
5..	S	E	SSE	N	N	S	27.4	48.3	58.4	44.5	178.6	2	....	S.-Cu.	9	A.-Cu.	S.-Cu. E
6..	SE	SE	SSE	SE	Calm	S	44	87.7	99.3	76.1	307.1	2	A.-Cu.	S.-Cu.	6	Ci.-S.	Cu.
7..	S	SSE	SSE	SE	NNW	SE	105.9	116.2	88.5	30.6	341.2	0	....	S.-Cu.	1	Ci.	Cu.
8..	SSE	E	SSE	NNW	SE	SSE	54.4	51.2	92.3	83.4	281.3	1	....	S.-Cu.	1	....	Cu.
9..	E	Calm	Calm	NNW	N	NW	27.7	33	73.8	33.2	167.7	0	....	Cu.	2	....	Cu.
10..	S	S	SE	S	NNW	NW	31.2	63.8	66	64.4	225.4	0	....	....	1	....	Cu.
11..	SE	Calm	SE	NNW	NW	NW	26.8	42.1	69.2	77.5	215.6	1	....	S.-Cu.	1	....	Cu.
12..	Calm	Calm	NW	NNW	NW	NW	20.1	35.1	99.8	86.1	241.1	2	....	S.-Cu.	1	Ci.	Cu.
13..	NE	Calm	Calm	NW	NW	N	27.2	39.1	95.6	62	223.9	1	Ci.	S.-Cu.	1	Ci.	Cu.
14..	NE	E	SE	NNW	NW	Calm	28.5	45.7	66.6	41.8	182.6	1	Ci.	....	1	....	Cu.
15..	S	SE	Calm	NNW	NW	NW	23.8	44.8	102.4	94.4	265.4	2	....	S.-Cu. E	1	....	Cu.
16..	N	E	SSW	NNW	NW	SW	30.9	36.2	96.6	52.3	216	1	....	S.-Cu.	2	....	Cu.
17..	SE	Calm	S	NNW	N	S	47.5	50.4	76.7	34.8	209.4	0	....	Cu.	3	....	Cu.
18..	SE	SE	SSE	NNW	NNW	W	36.5	51.7	81.5	47.8	217.5	0	....	....	3	Ci.	Cu.
19..	Calm	SE	SE	NNW	NW	SW	23.8	52.3	92.8	38.9	207.8	0	....	Cu.	1	A.-Cu.	Cu.
20..	S	SSE	SSE	NNW	NW	SSE	42.6	59.7	67.4	53.3	223	0	....	S.-Cu.	6	A.-Cu.	S.-Cu. E
21..	S	SbyE	SSE	NNW	N	Calm	86.9	71.6	81.1	32.8	272.4	0	....	....	2	Ci.	Cu.
22..	S	Calm	ESE	NW	NNW	S	20.4	45.9	87.7	56.3	210.3	1	....	S.-Cu.	1	....	Cu.
23..	SE	S	SSE	NNW	NW	S	71	82.7	80.8	46.2	280.7	0	....	....	0	Ci.	....
24..	Calm	Calm	SE	SE	NW	NW	25.5	60.2	72.7	56.8	215.2	0	....	....	0	Ci.	....
25..	Calm	Calm	SE	NNW	NW	NNW	20.6	42	105.2	73.4	241.2	1	....	S.-Cu.	1	Ci.	Cu.
26..	Calm	SE	SSE	E	NNW	S	30.4	57.4	53.3	51.7	192.8	0	....	....	0	....	....
27..	S	S	SSE	SSE	NbyW	Calm	62.3	58.7	57.9	21.9	200.8	1	....	S.-Cu.	0	....	....
28..	E	SE	W	NW	NW	SW	23	28.2	80.5	[a]22.5	154.2	0	Ci.	....	1	A.-Cu.	S.-Cu.
29..	Calm	Calm	SSE	SE	NW	Calm	[b]26.6	[c]5.9	96.6?	37.2	166.3	0	....	....	2	Ci.	Cu.
30..	S	SE	SSE	NW	NW	W	28.8	48.3	73.2	42.4	192.7	3	....	S.-Cu.	1	Ci.-S.	Cu.
31..	S	SE	SE	NNW	NNW	NW	39.7	79.5	85.3	63.3	267.8	0	....	....	0	....	Cu.
Mean	......	......	......	......	......	......	38	52.4	83.2	53.5	227	0.9	....	....	1.9	....	....
Total	......	......	......	......	......	......	....	....	....	.....	[d]7.036.9	...	....	....	...	....	....

NOTE.—The barometric readings of this station seem to be too low by about 0.50 mm.

[a] 4 hours missing.
[b] 3 hours missing.
[c] 5 hours missing.
[d] 12 hours missing.

DAGUPAN

[$\phi = 16°$ 03′ N; $\lambda = 120°$ 20′ E; barometer above sea, 2.71 meters; gravity correction not applied, −1.67 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.18	61.70	62.25	60.26	60.96	62.08	61.40	20.8	19.7	28.7	31	26.2	25.5	25.3	34.8	19.2	90	93	59	59	76	80	76.2	......
2..	61.61	62.50	63.53	61.43	61.83	62.95	62.31	21.8	19.7	29.1	31	27	26.1	25.8	34.1	19.1	92	95	60	58	69	76	75	......
3..	62.39	63.33	64.12	61.05	62.10	63.29	62.71	22.7	20.4	29.4	34.5	27.1	26.1	26.7	35.2	20	88	94	59	41	80	87	74.8	......
4..	63.06	64.02	65.22	62.78	63.68	64.43	63.86	23.6	22	29.4	29.8	26	24.5	25.9	32.2	21.2	80	81	54	62	82	91	75	......
5..	63.60	64.20	65.09	62.19	63.60	64.67	63.89	21.8	22.1	29.5	30.8	27.8	23	25.8	33.7	21.4	88	74	49	57	48	71	64.5	......
6..	63.80	65.58	66.13	62.84	63.90	64.84	64.52	22	20.8	29.8	29.6	26.8	22.7	25.3	34.4	20.4	71	77	49	55	69	75	66	......
7..	63.71	64.83	65.56	61.98	63.53	64.07	63.95	21.7	20.6	30.8	32.6	27.5	25	26.4	35.4	19.5	76	82	49	50	65	64	64.3	......
8..	63.32	64.33	65.04	62.15	62.83	63.11	63.46	22.2	20.8	30	31.4	26.8	24.6	26	32.2	20.4	81	85	55	57	78	75	71.8	......
9..	62.37	63.17	64.49	61.31	62.23	63.53	62.85	22.4	21.9	29.7	33	27.8	24.4	26.5	35	21.2	83	85	59	55	76	72	71.7	......
10..	62.64	62.87	64.25	61.30	61.31	63.14	62.58	21.5	20.5	29.5	30.2	26.1	25	25.5	32.9	19.9	84	88	52	53	79	88	74	......
11..	62.78	62.97	63.53	61.09	61.23	63.65	62.54	22.3	21.4	29.5	29.7	26	23.3	25.4	34.5	20.7	80	78	50	57	76	84	70.8	......
12..	62.15	62.30	63.03	59.58	60.46	62.39	61.65	21.8	19.4	30	35.5	28.2	26.1	26.8	36	19	77	87	47	40	71	75	66.2	......
13..	61.35	61.72	63.22	60.68	60.64	62.21	61.64	23.5	21.8	30.9	30.4	26.6	26.3	26.6	31.5	21.4	80	88	56	65	72	80	73.5	......
14..	61.34	61.76	62.70	60.83	60.84	62.41	61.65	23.6	22.3	29	30	26.8	24.6	26	31.8	21.7	88	92	67	66	82	87	80.3	......
15..	61.74	62.31	62.94	60.76	61.77	63.14	62.11	24.1	23	31.5	32.2	27.4	26	27.4	34.6	22.5	73	77	48	52	75	84	68.2	......
16..	62.38	62.11	62.75	59.97	60.09	60.95	61.38	24.7	22	29	31.6	25.8	25.1	26.4	32.4	21.8	87	95	70	54	81	83	78.3	......
17..	60.70	60.79	61.68	59.60	59.33	60.17	60.38	24	24	28	28.5	25	24.7	25.7	29.5	23.4	87	80	68	64	79	82	76.7	......
18..	59.40	59.75	60.63	58.07	58.99	60.49	59.56	23.2	19.8	28.8	30.2	26	25.2	25.5	33.6	19.4	85	96	61	60	78	78	76.3	......
19..	59.89	60.55	61.30	58.42	59.08	61.09	60.06	22.2	21.3	30.2	35.5	26.8	24.4	26.7	35.6	20.9	89	92	54	42	75	77	71.5	10.7
20..	60.17	60.99	61.30	58.07	58.33	60.03	59.82	22.2	21.4	28.6	33	28.8	25.8	26.6	34	21	95	97	70	49	65	75	75.2	......
21..	59.32	60.21	61.15	58.29	58.43	59.25	59.44	23.3	21.4	30.2	32.3	26.5	25.7	26.6	33.2	21.1	86	95	62	56	84	83	77.7	......
22..	58.56	58.92	59.73	57.60	57.65	59.18	58.61	25.1	21.5	30	29.5	26.6	25.6	26.4	32.2	21.2	86	96	62	64	79	84	78.5	......
23..	58.69	59.16	60.18	58.04	58.47	59.99	59.09	22.4	21.6	30.5	32	27	26	26.6	34.4	21.3	95	97	62	63	83	84	80.7	......
24..	59.66	60.31	61.13	58.84	58.80	60.10	59.81	23.9	22.4	30.4	30.3	26.4	25.7	26.5	32.8	22	92	96	62	67	81	86	80.7	......
25..	59.39	60.07	61.07	58.18	58.73	60.15	59.60	24.9	22.3	30.2	31.2	27.5	25.2	26.9	33.5	22	87	94	60	62	73	83	76.5	......
26..	59.82	60.36	61.78	59.22	59.89	61.60	60.44	23.8	21.6	29.6	34.5	27.5	24.4	26.9	35.3	21.2	91	93	52	34	78	70	69.7	......
27..	60.64	61.42	62.53	59.66	59.03	60.85	60.69	22.6	22	30.2	34.6	27.4	25	27	35.4	21.5	78	80	52	35	66	80	65.2	......
28..	60.86	61.24	62.34	59.64	58.97	60.70	60.62	23.8	21.8	28.5	33.9	27.5	25.8	26.9	34.5	21.4	72	82	54	34	63	81	64.3	......
Mean	61.30	61.91	62.81	60.14	60.60	61.94	61.45	22.9	21.4	29.7	31.7	26.9	25.1	26.3	33.7	20.9	84.3	88.2	57.2	54	74.4	79.8	73	......
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	10.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SE	SE	SE	NNW	NW	NNW	36.2	66.3	96.6	52.6	251.7	0	......	......	1	......	Cu.
2..	SW	Calm	SE	NNW	NW	NW	29.2	43.8	93	83.2	249.2	0	......	S.-Cu.	2	......	Cu.
3..	Calm	E	SSE	NE	NW	NW	30.8	64.2	70	68.2	233.2	2	......	S.-Cu.	1	......	Cu.
4..	SE	SE	SE	NW	NW	SW	33.8	42.8	102.4	56.1	235.1	2	......	S.-Cu.	1	......	Cu.
5..	Calm	SSE	ESE	NNE	E	S	51.5	91.7	107.6	120.4	371.2	0	......	S.-Cu.	3	Ci.	Cu.
6..	SbyE	SSE	SSE	NNW	NbyW	Calm	95.3	71.8	85.8	30.4	283.3	0	......	S.-Cu.	2	Ci.	Cu.
7..	S	SE	SSE	N	N	S	72.6	68.4	71.6	34.8	247.4	0	Ci.	......	2	......	Cu.
8..	SE	SE	SSE	NW	N	SE	26.4	43	73.4	32.4	175.2	2	......	S.-Cu.	2	Ci.-Cu.	Cu.
9..	Calm	E	SE	WNW	NNW	S	25.5	66.6	68.2	36.7	197	2	Ci.	S.-Cu.	2	......	Cu.
10..	Calm	SE	SSE	NNW	NW	Calm	28.4	64.7	104	52.1	249.2	0	......	S.-Cu.	2	A.-Cu.	Cu.
11..	SE	S	SSE	NNW	NW	SE	69.8	78.9	111.6	41.2	301.5	0	Ci.	......	1	Ci.	Cu.
12..	SE	E	SSE	S	NW	Calm	47.2	81	84.7	38.8	251.7	0	......	......	0	......	Cu.
13..	S	SE	SSE	NNW	NW	NW	28.5	38.3	104.3	99.2	270.3	0	......	......	2	A.-Cu.	Cu.
14..	NE	Calm	E	NNW	NNW	SW	28.7	42.8	91.1	35.4	198	1	......	S.-Cu.	4	......	Cu.
15..	SSE	SSE	SSE	NW	NW	NNW	83.5	74.2	93.9	74.2	325.8	1	......	Cu.	1	Ci.-S.	Cu.
16..	Calm	Calm	NNW	WNW	NW	NNW	19.1	31.9	130.7	131.4	313.1	1	Ci.	Cu.	1	......	Cu.
17..	N	N	NW	NW	NNW	NW	59.3	78.1	132	93.3	362.7	10	......	S.-Cu. S	1	......	Cu.
18..	N	N	SE	NNW	NNW	NE	29.8	52.3	90.4	50.7	223.2	0	......	S.-Cu.	2	......	Cu. S
19..	Calm	SE	SEbyE	SSE	NNW	SE	28.8	79.5	86.9	80.7	275.9	0	Ci.	......	2	......	Cu.
20..	S	E	SSE	SE	SE	SE	27.7	68.7	98.2	27.1	221.7	1	Ci.	S.-Cu.	2	A.-Cu.	Cu.
21..	Calm	Calm	SSE	NW	NNW	NW	15.9	32.7	95	80.8	224.4	1	Ci.-S.	S.-Cu.	1	......	Cu.
22..	NW	Calm	S	NNW	NW	NW	37.3	34.8	111	65.8	248.9	0	Ci.	......	2	......	Cu.
23..	Calm	SE	SSE	NW	NW	NW	19.5	41.2	95.3	107.3	263.3	0	Ci.	......	1	......	Cu.
24..	NE	Calm	Calm	NW	NW	NNW	22.8	21.4	122.3	133.6	300.1	5	Ci.	S.-Cu.	0	......	Cu.
25..	N	E	S	NW	NW	SSE	42.1	38.8	88	73.7	242.6	6	Ci.	S.-Cu.	4	A.-Cu.	Cu.
26..	SSE	SSE	SE	SE	NNW	S	94.8	105.1	81.5	52.1	333.5	2	Ci.	S.-Cu.	5	Ci.	Cu.
27..	SSE	SE	SE	SSE	NNW	S	71	82.9	70.6	61.7	286.2	6	Ci.	S.-Cu.	5	Ci.	Cu.
28..	SE	SE	SSE	ESE	N	NW	56.1	55.2	74	82.4	267.7	8	Ci.-S.	S.-Cu.	9	Ci.-S.	......
Mean	......	......	......	......	......	......	43.3	59.3	94.1	67.7	264.4	1.8	......	......	2.2	......	......
Total	......	......	......	......	......	......	......	......	......	......	7,403.1	......	......	......	......	......	......

DAGUPAN

[φ=16° 03′ N; λ=120° 20′ E; barometer above sea, 2.71 meters; gravity correction not applied, −1.67 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.40	60.82	61.40	58.45	58.64	60.34	60.01	22.9	21.1	31	35.6	27.8	26	27.4	36	20.5	87	83	48	35	70	78	66.8	....
2..	59.98	60.34	61.75	59.75	59.15	61.31	60.38	23.6	21.1	29.9	30.6	27	24.5	26.1	31.6	20.7	76	85	55	58	69	79	70.3	....
3..	60.46	61.05	62.44	59.68	60.29	61.83	60.96	23	22.7	31.1	36.2	27.8	26.2	27.8	36.7	22.1	74	76	46	36	72	82	64.3	....
4..	61.39	61.81	62.60	60.47	60.55	61.80	61.44	22.6	21.6	32	31.4	27.8	25.2	26.8	35	21.2	79	83	47	57	65	83	69	....
5..	61.10	61.35	62.48	59.98	59.78	61.65	61.06	22.4	21.4	30.8	35.8	28.1	26.2	27.4	36.5	20.8	83	84	53	35	68	78	66.8	....
6..	61.01	61.37	62.05	59.73	59.87	61.34	60.90	22.9	21	30.7	35.5	27.8	25.8	27.3	35.6	20.5	77	82	46	36	65	81	64.5	....
7..	60.45	61.10	61.77	59.25	60.05	61.53	60.69	22.6	20.5	32.1	36.2	27.8	25.2	27.4	36.5	20	78	84	47	36	69	82	66	....
8..	60.39	60.86	61.58	59.79	59.72	61.73	60.68	23	20.5	32.2	31.5	27.1	25.7	26.7	34.8	20.1	77	86	37	58	78	84	70	....
9..	60.62	60.50	61.24	59.32	59.79	61.12	60.43	21.9	20.4	32	30.6	27.4	27	26.6	37.1	20	91	87	51	58	80	73	73.3	....
10..	59.88	60.92	62.17	59.47	59.42	61.20	60.51	24.8	23.3	32.1	33	29	26.4	28.1	33.9	23	74	81	52	51	67	66	65.2	....
11..	60.65	60.90	61.93	59	59.40	61.13	60.50	24.8	24.1	32	32.8	28.2	25.8	28	36.8	23.5	73	73	47	53	72	81	66.5	....
12..	60.62	61.66	62.83	60.17	59.79	61.25	61.05	24.2	23.5	31.7	31.8	28	27.1	27.7	34.2	23	75	77	50	50	74	78	67.3	....
13..	60.64	61.34	62.43	59.41	59.10	60.99	60.65	26.5	23.5	31.4	32.7	28	26.7	28.1	35.4	23.1	77	85	54	58	77	83	72.3	....
14..	60.10	60.61	62.04	59.34	59.88	61.77	60.62	24.4	23.8	31.8	35.4	28.2	26.9	28.4	37	23.4	72	73	45	35	72	77	62.3	....
15..	60.88	61.57	63.07	60.58	59.82	61.26	61.20	24.2	22.5	30.8	30.3	27	26.7	26.9	32.1	22.1	77	84	60	67	78	80	74.3	....
16..	60.60	61.27	62.18	59.11	59.13	61.06	60.56	24.9	23.3	32	33.2	28	25.9	27.9	36	22.8	85	90	47	53	79	85	73.2	....
17..	60.25	60.37	62.06	59.48	59.87	61.72	60.62	24.1	23.5	32.1	36.3	27.6	26	28.3	37.1	23.1	70	72	38	27	79	85	61.8	....
18..	61.02	61.68	62.70	59.86	60.40	62.62	61.38	22.9	20.3	31.5	33.2	27.9	26.5	27	35.4	20	75	88	47	46	74	84	69	....
19..	61.84	62.29	63.57	61.07	60.52	62.34	61.94	23.8	21.5	30.9	31.6	27.8	27.4	27.2	33.5	21.2	91	92	57	56	79	83	76.3	....
20..	61.25	61.47	62.22	59.01	59.61	61.03	60.76	25	23	32.4	37.2	29.1	27	29	38.3	22.8	88	89	51	36	76	66	67.7	....
21..	59.83	60.25	61.13	58.43	59.14	60.13	59.82	25	23	32.4	33.4	28.6	27.1	28.2	36.6	22.5	76	84	53	54	80	83	71.7	....
22..	59.54	59.89	60.74	57.81	58.48	60.03	59.42	26.4	24.4	32.6	35.5	28.4	27.4	29.1	37.1	23.9	88	83	52	47	79	81	71.7	....
23..	59.13	59.78	60.76	58.07	58.41	59.82	59.33	26	25	32.8	34.2	28.3	27.2	28.9	36.3	24.5	85	88	55	55	80	79	73.7	....
24..	59.13	59.74	60.26	58.36	58.29	59.80	59.26	25.2	24.1	33.2	31.8	28.9	27.5	28.4	35.6	23.7	90	91	55	66	74	81	76.2	....
25..	58.91	59.18	60.33	58.13	58.64	60.40	59.26	25.6	24.7	32.8	33.7	28.5	28.4	29	36.3	24.5	86	90	54	59	80	76	74.2	....
26..	59.78	60.31	60.63	57.76	58.49	60.08	59.51	26.5	25.1	33.5	37.9	29.1	26.5	29.8	38.6	24.8	78	78	50	30	83	59	63	....
27..	59.28	59.92	60.76	57.64	57.94	59.58	59.19	24.6	23.6	33.5	38.2	29	27.8	29.4	38.2	23.1	66	69	35	34	67	74	57.5	....
28..	59.16	60.26	61.39	58.51	58.24	60.24	59.63	25.4	24	32.3	32	28.4	28	28.4	34	23.5	80	80	51	60	81	80	72	....
29..	59.08	59.59	60.36	57.93	58.16	60.43	59.26	25.5	23.4	33.1	34.5	30	27.8	29	38	23	86	85	49	48	67	74	68.2	....
30..	58.80	58.60	59.68	56.24	57.33	59.70	58.39	25.5	24.6	33.3	36	29.6	25	29	38	24	76	77	47	40	68	86	65.7	5.1
31..	58.84	58.37	59.48	56.95	57.39	58.88	58.32	24	23.5	29.9	30.6	27.5	27.1	27.1	34	23.1	91	95	71	67	80	83	81.2	5.3
Mean	60.16	60.62	61.61	58.99	59.20	60.91	60.25	24.3	22.8	31.9	33.8	28.2	26.6	27.9	35.9	22.4	80	83	50	48.4	74.3	78.8	69.1	....
Total	.....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	SE	SSE	SSE	NW	NW	38.4	67.4	82.4	50.1	238.3	1	....	S.-Cu.	1	Ci.	Cu.
2..	SW	S	SE	NW	NNW	SW	25.7	49.4	104.9	49.6	229.6	0	Ci.	....	0	Ci.	Cu.
3..	SSE	SSE	SSE	SE	NW	Calm	65.8	84.8	82.7	52.6	285.9	0	Ci.	Cu.	1	....	Cu.
4..	SE	SE	SE	NNW	NW	Calm	40.7	82.1	96.6	53.1	272.5	1	Ci.	S.-Cu.	3	Ci.	Cu.
5..	Calm	SE	SE	SSE	NW	NW	37	83.7	86.1	60.4	267.2	1	Ci.	....	1	Ci.	Cu.
6..	SE	SE	SSE	SSE	NW	NW	37.5	78.9	87.2	59.2	262.8	0	Ci.	....	0	....	Cu.
7..	Calm	E	SE	SSE	NW	W	24.4	92.5	111.5	36	264.4	1	Ci.	....	1	Ci.	Cu.
8..	S	SE	SE	NNW	WNW	Calm	42.1	87.1	120.7	56.3	306.2	0	Ci.	....	2	Ci.	Cu.
9..	S	E	SSE	NNW	NW	S	25.1	81.1	104	42.1	252.3	0	Ci.	....	3	....	S.-cf.
10..	SE	E	E	NNW	NW	SE	62.3	62.8	83.5	46.1	254.7	0	Ci.	Cu.	5	A.-Cu.	Cu.
11..	S	SE	SE	NNW	NW	E	67.9	68.9	97.1	44	277.9	3	Ci.	S.-Cu.	5	Ci.	Cu.
12..	SE	SE	SE	NNW	NW	NW	40.7	51.7	105.9	74.8	273.1	4	....	S.-Cu.	5	A.-Cu.	Cu.
13..	NW	Calm	SSE	NNW	NW	Calm	37.2	54.1	94.6	56	241.9	10	A.-S.	S.-Cu.	2	....	Cu.
14..	SE	SSE	SE	SSW	NW	NW	62.5	102.8	80.7	52.5	298.5	1	....	S.-Cu.	5	A.-Cu.	Cu.
15..	S	S	NW	NW	NW	NW	22.7	40	122.3	86.6	271.6	1	....	S.-Cu.	1	A.-Cu.	Cu.
16..	Calm	Calm	SSE	NW	NW	Calm	15.5	53.3	97.4	48.9	215.1	2	....	S.-Cu.	1	....	Cu.
17..	SE	SSE	SE	S	NNW	Calm	81.5	111	96.9	50.5	339.9	0	Ci.	....	1	....	Cu.
18..	SE	SE	SE	NW	NwbyN	Calm	32.4	63.3	103	63.4	262.1	0	....	....	1	....	Cu.
19..	Calm	SW	E	NNW	NW	NW	17.5	39.7	103.6	71.8	232.6	0	Ci.	....	1	Ci.	Cu.
20..	SW	SE	SE	SSE	N	SE	28.2	89.3	97.7	50.7	265.9	1	Ci.	S.-Cu.	9	A.-Cu.	Cu.
21..	SE	Calm	SE	NNW	NW	NW	42.4	65.8	97.1	74.8	280.1	1	Ci.	Cu.	6	Ci.	Cu.
22..	Calm	SE	SE	NW	NNW	NW	25.2	66	106.8	85.1	283.1	8	....	S.-Cu.	2	Ci.	Cu.
23..	Calm	Calm	SE	NW	NNW	NW	24.9	51.8	107.3	94.6	278.6	6	....	S.-Cu.	2	Ci.	Cu.
24..	Calm	Calm	SE	NW	NNW	NW	17.7	54.7	114.5	76.6	263.5	8	....	S.-Cu.	3	Ci.	Cu.
25..	Calm	Calm	SE	NNW	NW	NW	20.3	55.5	117.3	94.1	287.2	3	Ci.	S.-Cu.	2	Ci.	Cu.
26..	SE	Calm	SE	SE	N	SSE	44.9	103.3	89.6	74.8	312.6	6	....	S.-Cu.	1	Ci.	Cu.
27..	S	S	SE	SSE	NW	NW	83.5	90.3	97.9	70.3	342	0	....	Cu.	0	....	Cu.
28..	SW	Calm	SE	NNW	NwbyN	NW	22.8	39.9	111.8	89.5	264	1	....	S.-Cu.	1	....	Cu.
29..	SW	SE	SEbyS	SE	NW	S	35.7	74.3	85.6	51.5	247.1	0	Ci.	Cu.	5	....	Cu.
30..	SE	SbyE	SE	S	NW	N	63.6	109.9	88.5	82.4	344.4	4	Ci.	S.-Cu.	8	A.-Cu. SW	Cu. E
31..	Calm	SE	SE	NNW	NW	NW	24.6	50.7	79.4	58.7	213.4	7	Ci.-Cu. WSW	S.-Cu.	9	A.-Cu.	Fr.-N. WSW
Mean	......	......	......	......	......	......	39.1	71.2	98.5	63.1	271.9	2.3	....	....	2.8	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	8,428.5	....	....	....	....	....	....

DAGUPAN

[φ=16° 03′ N; λ=120° 20′ E; barometer above sea, 6.38 meters; gravity correction not applied, —1.67 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.54	59.19	60.12	57.67	57.82	60	58.89	25.3	23.6	31.6	34.1	29	28	28.6	34.5	23.4	89	94	65	50	78	83	76.5	0.8
2..	59.16	60.19	61.17	58.61	58.98	60.63	59.79	26.5	24.5	32.5	32.5	28.5	27	28.6	33.6	24.1	91	95	63	60	78	86	78.8	....
3..	59.29	59.59	59.82	57.28	57.45	59.27	58.78	24.7	23.9	32.6	32.1	28.5	27.6	28.2	37	23.5	89	94	56	68	78	80	77.5	....
4..	58.16	58.87	59.62	57.13	57.55	60	58.56	27	24.6	33.5	34.6	29	24.4	28.8	37.2	24	84	90	52	46	77	88	72.8	2
5..	59.40	59.98	60.58	58.02	58.98	60.35	59.55	24.3	24.3	32.6	34.2	29	28.2	28.8	36	23.6	89	89	60	57	78	82	75.8	....
6..	59.24	59.96	60.82	58.54	58.78	60.33	59.61	27.8	25	33.5	31.8	29	28.3	29.2	36.5	24.5	79	91	58	69	77	84	76.3	....
7..	59.28	59.56	60.21	57.44	57.78	59.07	58.89	26.3	26	34	34.6	29	28	29.6	36.5	24.9	83	77	51	53	81	84	71.5	....
8..	57.80	58.62	59.14	56.67	57.11	58.48	57.97	27.1	25.5	34	34.5	29	28	29.7	36.5	25.1	87	91	53	54	81	85	75.2	57.6
9..	57.48	58	58.73	56.45	56.67	58:14	57.58	26.5	24.8	31.8	34.1	29.2	28.5	29.2	34.8	24.4	91	95	61	56	79	86	78	....
10..	56.28	57.19	58.32	55.48	56.08	58.78	57.02	26.9	25.2	33.5	36.4	29.6	24	29.3	37.4	23.8	89	92	61	53	84	99	79.7	16.5
11..	57.49	57.58	58.64	55.46	57.75	58.61	57.59	25.1	24.1	30.8	34.1	24.6	24.5	27.2	35.3	23.7	99	99	78	68	97	98	89.8	18
12..	57.37	57.65	58.68	55.85	56.15	58.30	57.33	24.4	24.1	32.4	35.4	30.1	25.1	28.6	36.6	23.6	97	99	72	62	77	97	84	6.8
13..	57.27	57.78	58.58	56.20	56.43	58.33	57.43	24.8	24.4	31.4	35.2	29.8	29	29.1	36.5	23.8	97	93	67	50	83	88	79.7	....
14..	57.45	58.35	59.11	56.94	56.87	59.18	57.98	26.3	24.9	33	34.3	29.8	28.6	29.5	35.6	24.5	82	88	60	57	74	82	73.8	....
15..	58.50	58.88	59.47	57.19	58.08	59.27	58.56	26.1	24.6	32.9	36.2	29.9	28.6	29.7	36.5	24.4	94	93	63	49	76	83	76.3	....
16..	59.05	59.28	59.72	57.39	57.43	58.66	58.59	27.5	25.6	33.5	33.8	30	29	29.9	36.8	25.4	90	94	62	64	71	79	76.7	....
17..	58.07	58.56	59.68	57.38	57.17	58.71	58.26	25.8	23.9	32.2	35	30	28.7	29.3	36.8	23.5	81	84	55	50	64	80	69	....
18..	57.80	58.10	59.21	56.62	56.53	58.87	57.86	25.1	24	33.1	36.8	30.5	29	29.8	37.6	23.7	90	90	53	44	78	76	71.8	....
19..	58.71	59.19	59.99	58.03	58.12	60.37	59.07	28	25.6	33.8	36.8	30.7	28	30.5	37.8	25.3	85	85	54	41	76	81	70.3	....
20..	60.01	60.38	60.93	58.65	58.59	60.98	59.92	25.5	24	32.6	37	30.8	28.1	29.7	37.5	23.6	76	81	47	37	76	60	62.8	....
21..	60.40	60.96	60.63	57.91	58.09	60.38	59.73	24.8	22.9	32.2	36.2	30.6	28.6	29.2	37.1	22.6	73	83	49	36	65	68	62.3	....
22..	59.88	60.25	59.93	57.50	57.57	60.02	59.19	25.1	23.1	32.8	37.2	29.5	28.3	29.3	37.7	22.8	78	83	52	38	71	77	66.5	....
23..	59.55	60.34	60.92	58.49	58.94	60.26	59.75	25.7	24.6	32.7	33.8	29.2	28.5	29.1	35.4	24.4	86	87	55	57	78	75	73	....
24..	59.58	60.40	60.79	58.26	58.53	60.46	59.67	26.2	25.4	33.3	36.2	29.2	29	29.9	37.5	25	85	84	47	47	73	78	69	....
25..	59.58	60.15	60.39	57.68	57.99	60.01	59.30	26.9	25.1	33.2	37.2	29.3	28.7	30.1	37.8	24.8	71	78	51	34	81	78	65.5	....
26..	59.29	59.20	59.92	57.50	57.41	59.13	58.74	25	23.9	33	33.3	29.5	28.6	28.9	35.2	23.4	77	85	54	56	74	80	71	....
27..	57.97	58.51	58.76	55.84	56.33	58.20	57.60	26.5	25.4	34	36.1	29.8	28.8	30.1	37.5	25.1	86	87	51	49	78	82	72.2	....
28..	57.43	57.96	58.67	55.96	56.11	58.19	57.39	28.1	25.6	33.7	35.9	30.6	29.6	30.6	36.8	25.3	84	87	53	48	74	79	70.8	....
29..	57.73	58.13	58.83	56.39	56.73	58.97	57.80	28	26.9	33.2	34.5	30.4	29.3	30.4	37.8	25.9	77	87	63	61	72	79	73.2	....
30..	58.30	59.05	59.42	56.52	56.34	58.49	58.02	27.2	25.4	33.5	37	30.6	28.6	30.4	38.4	25	87	83	51	45	72	85	70.5	....
Mean	58.54	59.06	59.69	57.17	57.48	59.35	58.55	26.2	24.7	32.9	35	29.5	28	29.4	36.6	24.2	85.5	88.6	57.2	52	76.7	82.1	73.7	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	101.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SE	SE	SE	NW	NNW	NW	29.3	48.3	95.8	78.7	252.1	4	A.-Cu. WSW	S.-Cu.	1	Ci.	Cu.
2..	S	SE	E	NNW	NW	WNW	31.9	35.9	107	53.6	228.4	4	Ci.	S.-Cu.	2	Ci.	Cu.
3..	SE	SE	SSE	NW	NNW	NW	40.2	62.3	109.7	95.6	307.8	5	Ci.	Cu.	7	A.-Cu. WbyN	Cu.-N.
4..	SW	SSE	SE	SE	NW	E	40.4	68.1	88.5	60.9	257.9	5	Ci.	S.-Cu.	5	Ci.	Cu.-N.
5..	SE	SE	SE	NW	NW	NW	25.5	56.6	117	94.6	293.7	9	Ci.	S.-Cu.	4	Ci.	Cu.-N.
6..	N	E	SSE	NW	NW	NW	42.8	67.6	105.9	65.8	282.1	3	Ci.	S.-Cu.	4	A.-Cu. WSW	Cu.
7..	SSE	SE	SE	NW	NNW	NW	56.1	79.5	97.9	73.2	306.7	9	A.-Cu. E	S.-Cu.	1	A.-Cu.	Cu.-N.
8..	SW	EbyS	S	NNW	NW	NW	30.9	57.1	107.8	74.8	270.6	4	A.-Cu.	Cu.	2	Ci.	Cu.
9..	E	SE	SE	NNW	NW	NW	40.5	42	98.5	66.5	247.5	10	A.-Cu.	S.-Cu. W	6	Ci.-S.	Cu.
10..	S	Calm	SE	SSE	NW	NE	37.5	68.2	88.5	51.5	245.7	9	Ci.-S.	Cu.	7	Ci.-S. W	Cu.
11..	S	SE	SE	NW	W	Calm	19.6	38.3	80.2	22.8	160.9	7	Ci.-S.	Cu.	8	Ci.-S.	Cu.-N.
12..	Calm	SE	SSE	SSE	E	Calm	30.9	70.5	66	33.2	200.6	6	Ci.-S.	Cu.	6	A.-Cu. SW	Cu.-N.
13..	S	SE	SE	SSE	NW	NW	38.8	91.7	80.5	57.4	268.4	3	Ci.-Cu.	Cu.	2	Ci.-S.	Cu.
14..	SE	Calm	SSE	NW	NW	NW	38.3	50.4	70.6	61.2	220.5	5	A.-Cu.	Cu.	1	....	Cu.
15..	NW	S	SE	SE	NNW	NW	25.9	62.6	87.4	72.9	248.8	0	....	Cu.	1	....	Cu.
16..	Calm	Calm	SSE	NNW	NW	NW	25.7	62.2	100.8	68.6	257.3	2	Ci.	S.-Cu.	4	Ci.-S.	Cu.
17..	SE	SE	SE	NW	NW	NW	56.9	83.7	80.2	76.4	297.2	0	....	....	1	Ci.	Cu.
18..	E	SE	SSE	SSE	NW	NW	40.2	73.2	85	70.2	268.6	1	Ci.	....	2	....	Cu.
19..	Calm	SE	SE	SSE	NW	Calm	30.6	75	78.6	59.3	243.5	5	Ci.-S.	Cu.	4	Ci.-S.	Cu.
20..	S	SE	SE	S	N	SE	42.8	89.6	75.3	53.4	261.1	0	....	....	2	Ci.	Cu.
21..	S	SE	SE	SSE	NbyW	NW	47.8	98.7	89.8	65.4	301.7	2	Ci.	Cu.	0	....	Cu.
22..	SE	SE	SE	SbyW	NNW	NW	37.6	80	85.3	71.6	274.5	1	Ci.	Cu.	1	Ci.	Cu.
23..	W	SE	S	NW	NW	NW	31.1	42.1	113.5	99.5	286.2	4	Ci.	Cu.	2	Ci.-S.	Cu.
24..	SE	SE	SE	S	NW	NW	38.1	80	94.3	84.7	297.1	1	Ci.	Cu.	2	....	Cu.
25..	SE	SE	SE	S	NW	NW	53.4	83.9	87.7	74.3	299.3	1	Ci.	Cu.	2	A.-Cu.	Cu.
26..	S	SE	SE	NNW	NW	NW	36.5	37.8	106.4	83.4	264.1	1	Ci.-S.	Cu.	5	A.-Cu. E	Cu.
27..	NE	S	SE	NW	NW	NW	38.9	64.9	99.8	72.1	275.7	1	....	S.-Cu.	1	....	Cu.
28..	NW	S	SSE	NW	NNW	NW	26.6	61.5	88.3	92.7	269.1	7	Ci.	S.-Cu.	2	....	Cu.
29..	W	Calm	SE	NW	NW	NW	62.3	51.2	103.8	76.4	293.7	9	Ci.	Cu.-N. NW	2	....	Cu.
30..	N	SE	SE	NW	NNW	Calm	24.9	80.7	77.4	52.9	235.9	6	Ci.	Cu.	2	Ci.	Cu.
Mean	.....	.....	.....	.....	.....	.....	37.4	65.5	92.2	68.8	263.9	4.1	....	....	3	....	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7,916.7	....	....	....	....	....	....

NOTE.—Beginning April 6, 2 p. m., the height of the barometer above sea level was 6.38 meters.

DAGUPAN

[φ=16° 03′ N; λ=120° 20′ E; barometer above sea, 6.38 meters; gravity correction not applied, —1.67 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.17	58.77	58.74	56.54	56.82	58.77	57.97	26	24.5	33.6	37.5	31.5	29.3	30.4	38.1	24.1	72	76	48	37	72	81	64.3	....
2..	58.48	59	59.18	56.65	56.94	59.43	58.28	28.8	25.1	33.8	35.6	30	28.6	30.3	38.1	24.8	85	81	53	56	78	70	70.5	....
3..	58.39	58.41	59.06	56.81	57.53	59.22	58.24	26.4	26.5	34.6	34.5	29.9	27	29.8	37.6	25.9	84	76	47	51	70	78	67.7	....
4..	58.59	58.93	59.48	57.57	57.97	59.52	58.68	25.7	24.7	33.5	33.2	30.5	27.6	29.2	34.7	24.1	78	82	48	60	65	78	68.5	....
5..	58.81	59.51	60.13	57.94	58.61	60.08	59.18	26	25.7	34.6	36.6	31.3	28.6	30.5	38.6	24.9	75	76	46	38	68	66	61.5	....
6..	59.27	59.63	60.08	57.84	57.86	59.39	59.01	26.4	25.4	34.8	36.6	31.1	28.6	30.5	38.7	24.8	72	77	43	42	65	63	60.3	....
7..	58.54	59.05	59.36	57.02	57.10	58.41	58.25	26.3	26.3	35	38	30.8	29.2	30.9	39	25.8	72	74	41	35	70	78	61.7	....
8..	57.77	58.20	58.43	56.55	57.56	58.94	57.91	27.7	25.9	34.5	35.8	30	29.2	30.5	38.1	25.5	83	80	49	49	79	81	70.2	....
9..	58.18	58.41	59.03	56.58	56.91	58.91	58	27.6	25.7	34.5	37.8	30.3	28.7	30.8	38.7	25.3	76	84	50	40	74	70	65.7	0.5
10..	58.07	58.09	58.66	55.90	56.51	57.83	57.51	27	26.2	33.5	37.5	30.5	26	30.1	38.2	25.2	86	86	57	39	70	84	70.3	....
11..	56.80	57.20	58	55.47	55.91	57.99	56.90	25	24.5	33.1	30.5	30.3	28.4	28.6	36.5	24.1	88	93	60	66	69	82	76.3	....
12..	56.67	57.09	57.80	55.70	55.61	58.09	56.83	26.6	25.6	34.1	31.8	29.5	25.8	28.9	37.3	24.8	90	92	56	65	77	84	77.3	1
13..	57.10	57.20	57.77	55.35	57.16	58.77	57.22	25.3	25	34	34.5	24.2	25	28	38	23.2	84	85	59	62	90	92	78.7	51.3
14..	57.74	57.25	57.74	55.44	55.68	57.49	56.89	24.8	24.4	31.2	34.5	30	27.7	28.8	35.8	23.9	95	93	68	54	75	79	77.3	....
15..	57	56.68	57.12	55.60	55.53	56.90	56.47	25.3	24	32.5	33.7	30	29	29.1	34.7	23.6	88	92	61	54	74	78	74.5	....
16..	55.95	56.09	56.91	55.30	55.18	57.19	56.10	26.9	25.5	32.5	32.5	30.1	27.6	29.2	36.1	24.8	90	93	62	65	77	82	78.2	....
17..	56.21	56.21	56.91	54.92	55.25	57.04	56.09	25.9	24.8	33.2	32.4	30.6	29.3	29.4	35.3	24.3	91	90	57	62	71	79	75	2.3
18..	55.45	55.77	56.49	54.01	54.88	56.81	55.57	27.7	25.4	32.5	35.5	30.5	28.4	30	36.5	24.8	88	87	64	52	65	82	73	....
19..	55.90	56.26	56.71	55.80	56.62	58.21	56.58	26.3	25.5	33.3	26.4	26	25.5	27.2	34.5	24.8	83	89	64	89	92	93	85	32.3
20..	56.75	57.23	58.14	56.26	57.02	57.82	57.20	24.7	24.9	30.3	32.9	30	27.6	28.4	34.6	24.3	95	95	76	64	71	77	79.7	....
21..	57.73	57.97	58.49	56.81	57.34	58.92	57.88	26.3	25.5	32.7	35	31.3	29.4	30	35.9	25.1	88	93	67	52	68	80	74.7	....
22..	58.33	58.20	58.57	56.47	57.33	58.63	57.92	26.5	26.4	32.5	34	30.3	27.2	29.5	34.5	25.4	88	90	62	59	78	87	77.3	21.1
23..	57.65	58.10	58.51	56.53	56.72	58.48	57.66	25.4	25	32.5	30.6	30.4	29.4	28.9	34.1	24.4	95	95	67	74	74	79	80.7	....
24..	57	57.79	58.26	56.40	57.65	57.93	57.50	26.2	26	32.5	32.9	27.6	28.9	29	34.1	25.2	91	90	65	67	85	83	80.2	7.9
25..	57.08	57.96	58.71	56.67	56.93	58.40	57.62	28.4	27	32	32.2	29.5	28.8	29.6	33.6	26.1	83	90	66	69	79	81	78	....
26..	56.84	57.25	57.73	55.62	55.83	57.29	56.76	26.5	26	32.6	33.6	29.5	27.7	29.3	34.4	25.4	88	90	66	62	73	87	77.7	.5
27..	56.39	56.10	56.24	54.58	54.93	56.32	55.76	26.6	26.4	32.6	33.2	29	27.1	29.2	34.5	25.9	91	91	67	62	81	90	80.3	....
28..	55.66	55.31	56.63	55.59	54.55	56.53	55.71	26	25.7	32.5	27	28	26.6	27.6	33.5	25.1	90	92	66	88	80	92	84.7	4.6
29..	55.70	56.12	56.69	54.86	56.06	58	56.24	25.5	25.2	33	31.7	24.7	25	27.5	36	24.1	94	94	64	77	91	92	85.3	17
30..	56.73	56.47	56.93	55.71	56.21	58.29	56.72	24.6	24.6	30.5	33.4	29.5	28.1	28.4	35.5	24	96	96	68	61	77	83	80.2	3.6
31..	57.84	57.60	58.42	56.14	56.21	58.13	57.39	26.5	26.2	30.5	34.9	29.6	27.9	29.3	35.5	25.8	92	94	72	59	72	85	79	....
Mean	57.32	57.54	58.09	56.08	56.53	58.18	57.29	26.3	25.5	33	33.8	29.6	27.8	29.3	36.2	24.8	86.2	87.6	59.3	58.4	75.2	81.2	74.6	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	142.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SE	SE	SE	SSE	N	NW	48.6	96.1	87.5	80	312.2	2	Ci.	S.-Cu.	0	....	Cu.
2..	NW	SE	SE	NW	NW	NW	35.2	65	110	88.2	298.4	2	Ci.	Cu.	1	Ci.	Cu.
3..	SE	SSE	SSE	NNW	NW	NE	73	103.8	99.3	52	328.1	3	Ci.	Cu.	5	Ci.-S.	Cu.
4..	SE	E	SE	NNW	E	SE	32.2	49.1	114.1	44.3	239.7	1	Ci.	Cu.	2	....	Cu.
5..	S	S	SE	SE	NW	S	65.4	98.5	92.2	53.7	309.8	5	Ci.	Cu.	5	Ci.	Cu.
6..	S	S	SE	SE	N	S	60.7	75.9	75.9	54.4	266.9	0	Ci.	Cu.	5	A.-Cu. ESE	Cu.
7..	S	SE	SE	SSE	NW	NW	53.4	95	87.4	81.6	317.4	0	Ci.	Cu.	2	Ci.	Cu.
8..	SE	S	SE	WNW	NW	NW	49.1	87.7	99.5	69.2	305.5	9	Ci.	Cu.	5	Ci.	Cu.
9..	SE	SE	SE	S	NNW	NW	37.3	90.7	90.6	75.1	293.7	0	Ci.	Cu.	3	Ci.	Cu.
10..	Calm	SE	SSE	SSW	NNW	S	33.6	56.8	93.5	57.3	241.2	9	A.-Cu.	S.-Cu.	8	Ci.-S.	Cu.-N.
11..	SE	SE	SSE	W	W	N	33.6	57.6	81	63.8	236	9	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.-N.
12..	S	S	SE	W	W	N	24.9	75.6	91.7	53.3	245.5	6	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N.
13..	Calm	SE	SE	S	ENE	Calm	24.1	63.3	104.9	32.4	224.7	5	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.
14..	SW	SE	SE	N	NW	N	38.4	78.9	59.7	44.9	221.9	7	A.-Cu. S	....	9	Ci.-S.	Cu.-N.
15..	E	SE	SE	NNW	NNW	W	37.8	34.6	90.1	64.7	227.2	4	Ci.-S.	Cu.	6	Ci.-S.	Cu.
16..	Calm	SE	SSE	NW	NNW	Calm	31.6	48.3	73	48.5	201.4	6	Ci.	S.-Cu. SE	9	Ci.-S.	Cu.-N.
17..	Calm	SE	SE	NW	W	W	26.8	44.5	58.2	50.7	180.2	5	A.-Cu.	Cu.	9	Ci.-Cu.	Cu.-N.
18..	NW	E	SE	S	NE	W	26	73.4	51.3	19.1	169.8	5	A.-Cu.	Cu.	9	Ci.	Fr.-N.
19..	SE	SE	SE	W	N	NW	37.3	81	93.5	59.7	271.5	9	Ci.-S.	Cu.	10	....	N.
20..	SW	SE	SE	SSW	W	W	46.4	90.1	57.4	50.5	244.4	10	Ci.-S.	S.-Cu.	9	A.-Cu.	Fr.-N. SW
21..	Calm	S	SSE	NW	NNW	NW	21.9	62	76.4	70.8	231.1	9	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu.
22..	Calm	SE	NW	NW	NNW	SE	20.3	38.9	85.3	53.9	198.4	5	Ci.-S.	Cu.	6	Ci.-S.	Cu.-N.
23..	Calm	Calm	SE	NW	NW	NW	21.4	27.1	77.2	63.1	188.8	3	Ci.-S.	Cu.	9	Ci.-S.	Fr.-N.
24..	Calm	SE	Calm	WNW	NW	NW	26.4	39.4	112.1	60.7	238.6	2	Ci.	Cu.	6	A.-Cu.	Cu.-N.
25..	N	Calm	NW	NW	NW	NW	26.9	48.1	115.3	85	275.3	5	Ci.-S.	Fr.-N.	9	Ci.-S.	Cu.-N.
26..	Calm	Calm	W	NW	NW	Calm	27.6	38	82.3	36.8	184.7	2	Ci.-S.	Cu.	5	Ci.	Cu.-N.
27..	S	SE	Calm	WbyN	NW	Calm	20.4	30.6	82.6	32.5	166.1	10	Ci.-S.	Fr.-N. W	9	Ci.-S.	Fr.-N.
28..	SE	SE	SE	NW	NW	Calm	34.4	58.5	50.9	25.2	169	9	A.-Cu. W	S.-Cu.	10	A.-S.	Fr.-N.
29..	SE	Calm	SE	W	Calm	SE	38	58.5	80.3	38.6	215.4	9	Ci.-S.	Cu.	9	Ci.-S.	Fr.-N. SE
30..	SE	SE	SE	SE	NW	NW	43	91.9	74.6	79.5	289	9	A.-Cu. W	S.-Cu.	5	A.-Cu.	Cu.
31..	Calm	Calm	SE	SE	Calm	NW	22.5	61.8	87.2	32.5	204	9	Ci.-S.	S.-Cu.	9	A.-Cu.	Cu.
Mean	......	......	......	......	......	......	36.1	65.2	85	55.5	241.8	5.5	....	....	6.5	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	7,495.9	....	....	....	....	....	....

DAGUPAN

[ϕ=16° 03′ N; λ=120° 20′ E; barometer above sea, 6.38 meters; gravity correction not applied, −1.67 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.01	58.64	58.76	56.15	56.40	58.58	57.76	25.9	26	32.9	36.2	29.5	25.1	29.3	36.5	24.2	86	84	58	51	77	92	74.7	14.2
2..	57.06	57.52	57.22	55.22	57.75	57.95	57.12	24.7	24.8	31.7	32.6	24.8	24.5	27.2	35.6	24	96	95	69	66	91	94	85.2	30.5
3..	57.04	56.97	57.12	54.85	55.94	57.71	56.60	24.8	24.5	31.5	33	29.1	25.6	28.1	34.1	24.1	95	96	69	63	76	91	81.7	......
4..	56.50	56.51	56.88	55.65	55.36	56.88	56.30	25.3	25	31.4	32.4	29.5	29	28.8	35.4	24.4	93	92	67	64	79	83	79.7	......
5..	56.80	57.52	57.61	55.90	56.30	58.05	57.03	26.8	26.4	32.7	33.2	30.8	28.6	29.8	36.2	25.4	84	90	65	67	70	84	76.7	......
6..	57.90	58.36	58.12	56.05	56.56	59.32	57.72	27.5	26	32.8	36	31.8	25	29.8	37	23.8	88	92	66	51	70	89	76	54.9
7..	58.36	58.85	58.61	56.49	56.76	58.13	57.87	25.4	24.9	32.2	33.3	31.2	28.4	29.2	35.4	24.4	93	94	71	65	66	82	78.5	......
8..	57.33	57.81	58.22	55.69	56.82	57.69	57.26	25.6	25.8	33.2	34	27	26.4	28.7	35	24.9	91	91	65	63	84	89	80.5	2.8
9..	55.51	55.86	55.91	53.47	53.65	54.43	54.80	26.1	24.8	32.2	31.8	28.2	26.4	28.2	33.4	24.5	90	96	68	69	78	92	82.2	1
10..	52.72	52.40	52.77	51.38	51.37	52.64	52.21	26.2	25.5	29.5	29.8	27	24.5	27.1	33.9	24	92	96	79	68	75	90	83.3	11.1
11..	51.59	52.14	53.57	52.28	52.55	54.43	52.76	24.3	24.5	26.3	27.8	26.5	25.4	25.8	28.8	23.9	94	92	88	84	86	92	89.3	8.7
12..	53.64	53.94	54.40	53.23	53.73	55.19	54.02	24.7	24.6	30.3	29.9	28	25.7	27.2	32.6	24	93	92	74	78	81	90	84.7	1.3
13..	54.82	54.30	55.04	53.51	54.23	55.76	54.61	26	25.8	30.9	33	27.3	26.5	28.2	34	25.2	89	88	69	64	90	87	81.2	8.1
14..	55.51	54.60	55.42	54.56	54.40	56.38	55.14	25.6	25.7	30.2	29.5	29	27.2	27.9	33	25	90	91	73	81	77	85	82.8	2
15..	56.35	56.27	56.32	55.47	55.59	56.78	56.13	25.9	25.5	31.3	29.3	28.9	26.2	27.8	32.5	25	90	93	69	76	81	93	83.7	6.6
16..	56.47	56.87	57.78	57.47	55.67	57.94	57.03	25.7	25.5	29.5	28.5	27.9	26.6	27.3	31.3	25	97	96	79	79	75	89	85.8	.5
17..	57.02	56.68	58.37	56.67	56.25	56.95	56.99	25.2	25	26.6	29.9	28.5	26.5	27	31.7	24.3	92	93	90	69	77	87	84.7	9.4
18..	56.55	56.82	57.10	56.39	56.19	56.85	56.65	25.3	25.1	31.3	27.8	27.4	25.5	27.1	32.7	24.8	93	95	71	83	83	94	86.5	5.6
19..	55.95	56.50	56.38	54.35	55.55	57.41	56.02	24.5	24	30.5	32.9	27	24.6	27.2	33.5	23.5	95	97	70	60	89	92	83.8	11.4
20..	55.97	56.67	56.82	55.31	55.96	57.51	56.37	23.6	23	29	32	25.6	24.6	26.3	33.1	22.6	96	97	81	67	94	95	88.3	20.9
21..	57.07	56.96	57.61	55.71	56.26	58.81	57.07	23.6	23.8	29.4	31.6	26.5	24.7	26.6	32.7	23.3	97	97	74	68	90	92	86.3	24.9
22..	57.73	58.10	58.22	56.83	56.93	58.03	57.64	24.2	24.3	31.2	31.2	29.6	26.5	27.8	33.5	23.8	94	96	68	68	70	90	81	1.3
23..	56.87	57.72	58.05	56.72	56.77	57.63	57.29	24.8	24.1	30.5	32.3	30.5	28	28.4	33.1	23.8	94	96	74	68	69	79	80	......
24..	57.25	57.27	57.62	56.07	55.82	57.10	56.86	25.4	25	31	31.8	30.3	27.9	28.6	34	24.5	92	95	71	69	68	78	78.8	1.5
25..	56.46	56.55	56.63	54.74	54.29	55.83	55.75	25.6	25.1	31.3	32	29.7	27	28.4	33.5	24.7	91	95	69	66	70	84	79.2	......
26..	54.35	54.46	54.89	53.08	53.63	55.57	54.33	25.6	25.3	29.9	28	25	24.8	26.4	32.8	24.1	92	94	76	85	92	93	88.7	6.4
27..	54.63	54.82	55.36	54	54.87	56.85	55.09	24.8	24.5	30	32.7	28.3	26.1	27.7	33.5	24	96	96	72	61	74	85	80.7	......
28..	57.05	57.42	57.92	56.55	56.54	58.64	57.35	25.8	25.1	31.2	34.1	32.2	27.2	29.3	35.4	24.6	83	87	62	53	60	77	70.3	......
29..	58.98	59.23	59.16	57.22	57.44	58.55	58.43	26.5	25.1	31.2	32.2	26.5	26.8	28	33.3	24.6	88	89	66	65	85	84	79.5	2.5
30..	57.56	57.52	57.02	55.33	54.87	55.40	56.28	24.7	25.1	30.9	31	28.7	27.4	28	32.3	24.4	94	92	71	68	78	81	80.7	......
Mean	56.30	56.51	56.83	55.21	55.48	56.97	56.22	25.3	25	30.8	31.7	28.4	26.3	27.9	33.7	24.3	91.9	93.2	71.5	68	78.5	87.8	81.8	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	225.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	S	SE	SE	SE	NW	N	33	70.5	101.9	47.7	253.1	7	Ci.	Cu.	4	Ci.-S.	Cu.
2..	Calm	Calm	SE	NbyW	ESE	Calm	16.4	54.4	74	26.9	171.7	9	A.-Cu.	S.-Cu.	7	Ci.-S.	Fr.-N.
3..	Calm	Calm	SE	WNW	NW	SE	15.5	27.9	75.8	45.4	164.6	6	A.-Cu.	S.-Cu.	5	Ci.-S.	Cu.-N.
4..	Calm	SE	SE	WNW	WNW	W	33.3	72.2	98.4	70.8	274.7	8	A.-Cu.	Cu.	9	A.-Cu.	Cu.
5..	E	SE	ESE	WbyN	NW	N	35.4	60.6	104.1	63.9	264	6	Ci.	Cu.	4	Ci.	Cu.
6..	Calm	SE	SE	SE	NW	Calm	34.4	63.6	83.9	60.6	242.5	5	Ci.	Cu.	2	Ci.	Cu.
7..	Calm	SE	SE	Calm	N	SE	17.9	44.1	52.9	31.2	146.1	5	Ci.	S.-Cu.	7	Ci.-S.	Cu.
8..	Calm	Calm	S	NW	Calm	NW	13.1	26.8	80.7	48	168.6	2	Ci.-S.	Cu.	7	Ci.-S.	Cu.
9..	Calm	E	NW	NNW	NNW	SE	42.3	37.3	83.5	28.5	191.6	9	A.-Cu.	S.-Cu.	9	A.-Cu. ENE	Fr.-N.
10..	Calm	SE	SE	SE	ESE	ESE	18	34.9	130.4	177.3	360.6	10	A.-S.	Fr.-N.	10	A.-S.	Fr.-N.
11..	SE	SE	SE	SE	SE	E	184.4	140.3	103	74	501.7	10	....	N. SE	10	A.-S.	Fr.-N. SE
12..	SE	E	SE	SE	SE	SE	124.1	128.9	100.1	61.8	414.9	10	A.-Cu.	S.-Cu. S	10	A.-S.	N.
13..	SE	SE	ESE	SE	NE	SE	83.7	144.8	89.3	34.1	351.9	7	A.-Cu. S	S.-Cu.	8	Ci.	Fr.-N.
14..	SE	SE	SE	W	Calm	E	65.2	96.6	58.4	43	263.2	9	Ci.	N. SE	9	A.-Cu.	Fr.-N. SE
15..	SE	SE	E	NW	Calm	Calm	49.9	63.8	53.4	25.9	193	10	A.-S.	S.-Cu.	10	A.-S.	Fr.-N. SSE
16..	Calm	Calm	NW	SW	E	SW	29	54.2	69	33	185.2	10	....	Fr.-N. SE	10	A.-S.	Fr.-N.
17..	S	ESE	Calm	NW	Calm	E	44.3	43.1	43	28.5	158.9	6	Ci.-S.	S.-Cu. SSW	9	A.-S.	Cu.-N.
18..	SE	SE	SE	NNW	N	Calm	37.5	74	46.2	25.5	183.2	9	A.-Cu.	S.-Cu.	10	A.-S.	Fr.-N.
19..	SE	Calm	SE	N	NNW	SE	25.9	38	91.2	46.2	201.3	10	....	S.-Cu.	2	A.-Cu.	Cu.
20..	S	EbyS	SE	NW	E	E	31.7	46.2	58.2	40.2	176.3	10	....	S.-Cu.	9	Ci.-S.	Cu.-N.
21..	SE	S	SE	ESE	E	E	50.4	79.5	74.5	41.3	245.7	10	....	Fr.-N. SSE	7	A.-Cu.	Cu.-N.
22..	S	SE	SE	NNW	W	S	38.1	58.7	76.2	28	201	1	Ci.-S.	Cu.	7	A.-Cu	Cu.-N.
23..	SE	SE	E	NW	NW	Calm	36.2	55.5	60.6	28.8	181.1	10	....	S.-Cu.	8	Ci.-S.	Cu.
24..	SW	SE	E	NW	W	W	25.4	43.3	65	41.5	175.2	9	Ci.-S.	S.-Cu.	5	Ci.-S.	Cu.
25..	SE	SE	SE	NW	W	Calm	32.8	54.7	66.3	22.2	176	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N. SW
26..	SE	SE	SE	NW	S	SE	34.9	59	53.9	43.1	190.9	10	Ci.-S.	S.-Cu.	10	A.-S.	N.
27..	SE	SE	SE	SE	SE	ESE	43.3	120.4	138.6	81.6	383.9	9	A.-Cu.	S.-Cu. SE	7	A.-Cu.	Cu. SE
28..	SE	SE	SE	SE	SE	Calm	77.4	112.9	88.3	31.4	310	0	Ci.	Cu.	2	Ci.	Cu.
29..	Calm	Calm	N	NW	WSW	Calm	23.9	42.6	93.3	45.6	205.4	4	A.-Cu.	S.-Cu.	3	....	Cu.
30..	Calm	W	NW	NNW	NNW	N	24.6	68.6	93.8	40.5	227.5	7	A.-Cu.	S.-Cu.	9	Ci.	Cu.
Mean	......	......	......	......	......	......	44.1	67.2	80.3	47.2	238.8	7.6	....	....	7.3	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	7,163.8	....	....	....	....	....	....

DAGUPAN

[φ=16° 03′ N; λ=120° 20′ E; barometer above sea, 6.38 meters; gravity correction not applied, —1.67 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	54.39	54.43	53.85	52.82	52.13	53.20	53.47	25.8	25.7	28.6	31.2	28.5	28.7	28.1	32.2	25.2	92	91	83	71	81	77	82.5	8.9
2..	52.80	52.40	53.35	53.78	54.73	55.84	53.82	26.6	26.6	26.2	23.9	22.8	22.8	24.8	26.9	22.2	87	91	94	94	95	97	93	34.8
3..	56.09	56.55	57.12	56.80	57.61	58.90	57.18	22.8	22.3	26.1	26.9	26	24.1	24.7	28.8	22	97	96	82	86	87	95	90.5	13
4..	59.32	58.69	59.28	58.71	59.16	59.89	59.18	23.2	23.2	28.3	26.6	24.7	23.3	24.9	32.5	22.7	96	94	74	83	90	94	88.5	5.3
5..	59.12	59.42	59.85	57.92	57.39	58.68	58.73	22.8	22.5	29.3	32	30.1	26	27.1	34	22.1	96	96	68	63	79	85	81.2	....
6..	58.25	58.52	58.41	57.57	58.07	60.11	58.49	24.2	23.6	31.5	32.6	28.6	23.6	27.4	33.5	23.2	91	91	66	65	80	94	81.2	6.1
7..	59.03	59.37	60.25	58.93	58.98	59.74	59.38	23.5	23.5	29.4	31.7	29.8	26.9	27.5	32.5	23	96	96	72	73	77	88	83.7	....
8..	59.01	59.73	60.11	58.78	58.91	59.84	59.40	24.5	24	31.4	33.6	28.8	28.3	28.4	34.8	23.5	91	95	68	61	80	79	79	....
9..	58.94	59	59.61	57.68	58.38	58.84	58.74	25.6	24.8	31.6	32.5	29	24.5	28	33.1	24	91	94	62	67	78	92	80.7	.8
10..	57.62	57.69	58.73	56.96	56.88	58.02	57.65	23.4	22.8	30.5	32.7	29.8	27.8	27.8	33.6	22.5	95	97	74	58	73	84	80.2	....
11..	57.30	57.85	58.73	56.81	57.21	58.80	57.78	26	24.4	31	32.8	30.2	28.3	28.8	33.5	23.9	94	92	70	59	71	76	77	....
12..	58.54	58.82	59.28	57.87	58.02	58.81	58.56	25.5	24.3	31.7	32.9	29.8	28.6	28.8	33.5	23.8	87	93	63	56	73	80	75.3	....
13..	58.60	58.74	59.26	57.48	57.42	58.64	58.36	26	25.3	31.7	32.9	29.8	28.7	29.1	33.5	25	88	93	71	60	75	82	78.2	....
14..	58.08	58.29	58.83	57.17	56.29	57.72	57.73	27.9	27.4	31.2	32.4	29.8	27.6	29.4	33	25.8	85	85	70	63	73	84	76.7	....
15..	57.45	57.30	57.57	56.51	55.93	57.10	56.98	25.1	24.6	31.6	32.9	29.8	28.8	28.8	33.6	24	91	89	68	61	72	78	76.5	....
16..	56.78	57.20	57.69	55.77	56.07	57.18	56.78	26.7	25.1	31.5	32.2	29.5	28.7	29	33.2	24.2	84	88	66	65	77	75	75.8	....
17..	57.26	57.39	58.01	56.70	56.77	57.79	57.32	26.2	25.1	31.8	32.6	29.5	27.6	28.8	34	24.7	89	92	69	64	70	81	77.5	....
18..	57.22	57.48	57.89	56.31	56.02	57.53	57.08	24.9	24	31.2	33	29.9	26.5	28.2	33.9	23.7	88	93	64	59	69	82	75.8	....
19..	56.93	56.85	56.86	55.36	55.55	56.19	56.29	25.1	24.5	32.8	35	26.3	25.2	28.2	36	24	88	91	61	55	87	92	79	8.9
20..	55.71	55.92	56.38	56	55.75	56.08	55.97	24.6	24.8	30.4	26	25.7	25.1	26.1	30.6	24	93	93	74	87	88	92	87.8	.5
21..	55.75	55.86	56.34	54.24	55.25	55.76	55.53	24.3	23.5	31.2	35.5	27.1	25	27.8	35.6	23	94	96	69	51	83	88	80.2	.8
22..	55.25	55.56	55.95	54.18	55.59	56.66	55.53	24.6	24.5	31.4	30.4	24.7	24	26.6	33.8	23.6	91	92	67	73	94	96	85.5	66
23..	55.26	55.32	55.86	53.96	54.95	56.01	55.23	23.8	24.1	30.2	31.6	24.8	24.6	26.5	33.2	23.4	97	95	71	72	91	95	86.8	11.2
24..	54.88	54.70	55	53.03	53.89	55.03	54.42	24.3	24.1	28.3	31	24.8	25	26.2	32.7	23.8	96	97	82	67	93	94	88.2	49.8
25..	54.28	54.53	55.05	54.28	54.10	55.62	54.64	24.6	24.5	27.8	27.9	26.8	25.8	26.2	31.8	24	95	92	82	83	87	91	88.3	1
26..	54.62	54.41	55.13	53.25	52.56	54.22	54.03	25.4	24.9	26.4	30.4	28.5	26.4	27	30.9	24.1	88	89	90	74	77	86	84	2.5
27..	53.02	52.52	52.60	51.11	51.83	52.91	52.33	25.5	25.2	30	27.6	27.1	24.7	26.7	31.2	24.2	89	90	75	86	90	95	87.5	11.7
28..	52.89	52.57	53.02	52.70	52.25	53.64	52.84	24.5	24.2	27	28.6	26	24.8	25.8	29.8	23.8	96	97	86	80	92	96	91.2	8.4
29..	52.59	52.84	53.44	52.65	52.16	53.70	52.90	24.5	24.3	25.4	27.8	26.5	25.6	25.7	28.1	24	96	97	94	80	88	97	92	35.4
30..	52.34	51.84	52.87	51.59	52.04	52.57	52.21	24.8	24.5	24.5	25.1	24	24.4	24.6	28.4	23.7	98	97	96	96	96	97	96.7	139
31..	51.64	51.99	52.30	51.16	50.93	52.96	51.83	24.2	24.4	27.4	29.5	27.8	26	26.6	30.4	23.7	94	97	89	80	82	92	89	7.8
Mean	56.16	56.25	56.73	55.42	55.57	56.71	56.14	24.9	24.4	29.6	30.7	27.6	26	27.2	32.3	23.7	92	93.2	74.8	70.7	82.2	88.2	83.5	....
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	411.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	NE	WNW	NW	WNW	NW	14.7	59	131.2	119.9	324.8	10	A.-S.	Fr.-N. NW	10	A.-S.	Cu.
2..	NW	W	SW	ENE	SE	SE	48.1	52.5	56.3	50.4	207.3	10	....	N.	10	....	N.
3..	SE	E	SE	SE	SE	SE	46.2	101.1	79.2	78.9	305.4	10	....	Fr.-N.	10	....	N. SW
4..	SE	SE	SE	WSW	E	S	96.6	85.3	66	37.6	285.5	10	Ci.-S.	S.-Cu.	10	A.-S.	N. SSE
5..	SE	S	Calm	Calm	Calm	Calm	35.6	25.2	27.4	28.7	116.9	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
6..	Calm	Calm	E	NWbyN	NbyW	E	25.4	37.3	88.8	49.6	201.1	3	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.
7..	Calm	SE	Calm	NW	NW	Calm	28.8	32	68.6	28.5	157.9	10	A.-Cu.	S.-Cu.	9	A.-Cu.	Cu.-N.
8..	SE	SE	SE	NNW	WNW	NW	33.6	47.8	83.9	63.9	229.2	4	Ci.-S.	Cu.	3	Ci.-S.	Cu.-N.
9..	SW	Calm	NW	NW	NNW	Calm	15.5	34.4	100.6	37.8	188.3	0	Ci.	Cu.	3	Ci.-S.	Cu.-N.
10..	SE	SE	SE	NW	NW	W	47.5	58.4	71.3	45.9	223.1	9	....	S. SE	2	Ci.	Cu.
11..	Calm	SE	N	NNW	NWbyN	WNW	21.2	35.7	88.7	68.2	213.8	2	....	S.-cf.	2	....	Cu.
12..	Calm	Calm	NE	NW	NNW	NW	24.3	39.7	93.6	76.4	234	1	Ci.	Cu.	3	....	Cu.
13..	E	Calm	W	NNW	NW	NNW	18	29.6	94.1	80.2	221.9	1	Ci.	Cu.	2	Ci.	Cu.
14..	N	Calm	NNW	NW	NW	NE	53.4	58.5	106.2	54.4	272.5	1	Ci.	Cu.	1	....	Cu.
15..	E	SE	Calm	NW	NW	NNW	34.8	40.2	101.2	96.1	272.3	2	A.-Cu.	Cu.	5	Ci.-S.	Cu.-N.
16..	NE	Calm	NW	NW	NW	NW	33.2	38.3	107.5	77.5	256.5	4	Ci.	Cu.	3	Ci.	Cu.
17..	Calm	E	NW	NW	NW	SE	30.9	37.6	90.4	60.9	219.8	10	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.
18..	SE	E	SSE	NNW	NNW	E	40.5	43.8	92.7	48.8	225.8	10	A.-Cu.	S.-Cu.	5	Ci.	Cu.
19..	E	SE	SE	NW	NW	SE	33.5	40.5	84.8	28.4	187.2	1	Ci.	Cu.	9	Ci.-S.	Cu.
20..	SE	E	SSE	SEbyS	SE	E	20.3	57.6	65.7	23.8	167.4	10	Ci.-S.	S.-Cu.	10	....	N.
21..	Calm	SE	SSE	SSW	Calm	SE	21.1	38.9	62.2	38.4	160.6	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.
22..	Calm	E	SSE	NNE	SE	Calm	20.3	48.9	58	29.5	156.7	10	A.-Cu. E	S.-Cu.	9	Ci.-S.	Cu.-N.
23..	SE	E	SE	N	E	SE	56.1	67.3	66.5	16.9	206.8	10	A.-S.	S.-Cu.	9	Ci.-S.	S.-Cu.
24..	SE	Calm	SE	S	Calm	SE	15.5	43.5	46.5	63.1	168.6	10	A.-S.	S.-Cu. E	10	A.-Cu. ESE	Cu.
25..	SE	SEbyE	SE	SE	SE	SE	93.9	119.1	114.3	75.3	402.6	10	....	Fr.-N. SE	10	A.-S.	Fr.-N. S
26..	SE	SE	SE	SE	SE	SE	105.2	114.9	95.8	90.6	406.5	10	....	N. SSE	10	A.-S.	Fr.-N. S
27..	SE	SE	SE	Calm	ESE	SE	62.2	93.5	49.1	82.7	287.5	10	A.-S.	N. SSE	10	A.-S.	N.
28..	SE	SE	SE	SE	SE	SE	54.7	70.3	90.4	51.5	266.9	10	....	N.	10	A.-S.	N. SW
29..	SE	SE	SE	Calm	Calm	Calm	47.2	39.6	18.8	14.3	119.9	10	....	N.	10	A.-S.	Fr.-N. wbys
30..	SE	ESE	Calm	SW	E	SE	31.9	34.1	41.3	42.3	149.6	10	....	N. WSW	10	....	N. SW
31..	ESE	SE	SE	SE	Calm	SE	55.8	37.8	42.3	63.1	199	10	Ci.-Cu.	Fr.-N. WSW	10	A.-S.	S.-Cu. SW
Mean	......	......	......	......	......	......	40.8	53.6	76.9	55.6	226.9	7.3	....	....	7.4	....	....
Total	......	......	......	......	......	......	......	......	......	......	7,035.4	......	....	....	......	....	....

DAGUPAN

[ϕ=16° 03′ N; λ=120° 20′ E; barometer above sea, 6.38 meters; gravity correction not applied, −1.67 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	51.79	52.42	52.87	52.10	52.50	53.65	52.56	25.2	25	29.5	31	28.5	27	27.7	31.5	24.5	95	96	81	73	81	88	85.7	16.3
2..	53.15	53.66	54.25	53.24	53.18	54.89	53.73	26.3	25.8	27.5	31	29.2	27.4	27.9	32.3	25.5	94	97	92	75	78	89	87.5	8.4
3..	53.70	54.16	54.58	53.23	53.82	55.46	54.16	26.8	26	30.2	31.3	25.5	25.3	27.5	32.1	24.8	93	95	78	73	93	96	88	28.8
4..	53.39	54.28	54.55	53	54.32	55.53	54.18	24.8	24.8	28.9	28.2	24.3	24.5	25.9	32.4	23.7	97	98	82	78	94	94	90.5	22.6
5..	54.16	54.82	55.45	53.75	53.64	54.10	54.32	24.1	24.2	26.6	27.9	25.8	24.9	25.6	29	23.6	96	96	87	82	88	95	90.7	4.1
6..	53.03	53.10	54.22	52.93	52.48	52.71	53.08	24.5	24.6	24.2	25	24.3	24.4	24.5	26	23.2	94	94	94	93	94	92	93.5	53.5
7..	51.11	50.45	50.52	50.77	50.20	51.47	50.75	24	24.9	28	26.1	26.6	27	26.1	28.2	23.2	95	93	84	87	92	86	89.5	12.6
8..	50.60	50.37	51.29	50.57	50.92	51.76	50.92	26.6	25.8	26	28.1	25.5	24.7	26.1	28.4	24.4	92	97	96	85	96	97	93.8	49.8
9..	50.79	51.05	52.33	52.11	51.63	53.52	51.90	24.6	24.4	25.5	25.5	25.6	25	25.1	27.9	24	97	97	96	95	98	97	96.7	186.9
10..	52.54	52.58	53.73	52.11	52.65	53.70	52.88	24.6	24.7	25.3	26.4	24.5	24.5	25	27	24	98	97	96	93	96	97	96.2	188.9
11..	52.44	52.14	52.95	51.59	51.47	52.64	52.20	24.4	24.5	24.8	25	25.1	24.6	24.7	26	24	97	97	97	95	96	97	96.5	116.7
12..	51.34	51.65	52.79	51.87	51.74	53.19	52.10	24.6	24.6	25	24.7	24.3	24.4	24.6	26.2	24	97	98	95	96	97	97	96.7	122.9
13..	52.24	52.19	54.11	53.32	53.50	54.46	53.30	24.4	24.4	24.8	24.8	24.6	24.5	24.6	26.5	24	97	97	94	98	97	97	96.7	74.5
14..	54.34	54.36	55.35	54.91	55.07	56.32	55.06	24.2	24.3	25.4	24.7	25	24.4	24.7	25.5	23.9	97	97	97	97	96	93	96.2	24.7
15..	55.17	55.21	56.33	55.13	55.38	56.51	55.62	24	23.8	25.3	26.2	24.9	24.5	24.8	26.5	23.5	96	97	93	87	94	96	93.8	31.2
16..	55.77	56.64	57.53	56.96	57.63	58.82	57.22	24	23.9	24	25.6	25.4	24.3	24.5	26.5	23.5	96	97	97	95	96	96	96.2	37.8
17..	57.77	57.63	58.18	56.93	57.23	58.30	57.67	24	24	26.5	30	28.2	26.6	26.6	32	23.5	97	97	92	80	86	93	90.8	2.8
18..	57.41	57.20	57.39	56.21	56.40	58.30	57.15	25.6	24.9	29.5	27.1	26	25.6	26.4	30.4	24.5	96	97	79	85	93	93	90.5	.5
19..	56.85	57.01	57.25	55.96	56.23	57.02	56.72	25	24.8	29.5	32.4	26.1	26	27.3	32.8	24.3	96	97	79	64	91	80	84.5	1.8
20..	54.94	54.01	52.54	48.69	45.54	47.80	50.59	26.1	26.5	26.5	26	25	23.8	25.6	27	23	89	88	91	90	92	91	90.2	187.1
21..	50.06	52.01	54.51	53.97	55.11	57.97	53.94	23.2	23.8	25.1	25.2	25.1	24.1	24.4	26.7	22.8	94	97	92	94	96	96	94.8	24.9
22..	57.09	56.88	57.57	56.38	56.54	58.31	57.13	24	24.1	28.3	29.1	28.3	25.9	26.6	30.6	23.6	97	95	79	80	81	88	86.7	......
23..	57.05	57.45	58.01	56.13	55.86	57.20	56.95	25.2	25.2	28.3	31.8	29.3	27.4	27.9	32.2	24.5	94	95	82	67	76	83	82.8	3.8
24..	56.03	55.32	56.42	54.72	54.66	55.55	55.45	26.2	25.8	25.7	26.6	25.6	25.3	25.9	28	24.2	92	93	92	86	90	94	91.2	48.3
25..	53.70	53.20	53.77	52.42	52.63	54.49	53.37	24.7	24.7	26.8	28.5	25	24	25.6	29	23.5	96	95	90	81	94	96	92	91.6
26..	54.52	54.54	56.44	55.44	55.99	57.82	55.79	23.7	23.6	23.3	24.6	24.1	23.8	23.8	24.8	22.5	97	97	97	95	97	97	96.7	205.3
27..	57.28	56.84	57.87	56.87	57.04	58.24	57.36	23.3	23.4	24	24	23.8	23.8	23.7	24.4	22.6	97	97	96	96	97	97	96.7	52.5
28..	56.79	55.98	57.37	56.28	56.14	57.45	56.67	23.4	23.2	25.2	27.7	26.6	25	25.2	27.9	22.9	97	97	92	83	90	94	92.2	......
29..	56.12	56.11	56.52	54.71	54.70	55.67	55.64	24.5	24.1	28.1	29	26.4	26.1	26.4	30	23.8	96	97	82	77	89	89	88.3	1.5
30..	54.73	54	54.56	53.46	53.21	54.03	54	26.1	25.7	27.7	28	26.5	26	26.7	28.6	25.1	86	93	84	85	88	84	86.7	68.2
31..	53.33	54.16	54.94	53.48	53.47	54.50	53.98	24.1	23.3	25.6	26.9	25.1	26	25.2	29.1	23	96	96	91	80	91	89	90.5	13.4
Mean	54.17	54.24	55.04	53.85	53.90	55.21	54.40	24.7	24.6	26.5	27.4	25.8	25.2	25.7	28.6	23.8	95.2	95.9	89.6	85.3	91.5	92.6	91.7	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1,681.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	W	ESE	SW	SW	Calm	77	45.7	93.6	35.1	251.4	10	....	N. SW	10	A.-Cu.	Fr.-N. WSW
2..	S	SE	W	N	W	Calm	31.2	32.7	56.3	24.4	144.6	10	....	N. SW	9	Ci.	Fr.-N. SW
3..	SE	E	Calm	Calm	NE	SE	35.2	36.7	39.4	32.8	144.1	10	Ci.	S.-Cu.	10	A.-S.	S.-Cu.
4..	SE	SE	SE	W	NNW	Calm	26.4	43.3	63.1	31.2	164	10	....	Fr.-N. ESE	10	....	N.
5..	SE	Calm	SE	S	WSW	SE	30.4	42.4	56	29.3	158.1	10	....	N.	10	....	N. SSW
6..	S	Calm	WSW	WNW	SW	SW	16.9	63.4	62.2	54.2	196.7	10	....	Fr.-N. WSW	10	....	N.
7..	Calm	WbyS	WbyS	WNW	WNW	WSW	33.3	83.4	111.6	82.3	310.6	10	....	N. W	10	....	N.
8..	W	Calm	Calm	WSW	SW	Calm	60.2	23.6	52.3	21.4	157.5	10	....	N. WSW	10	A.-S.	Fr.-N. WSW
9..	SE	S	SW	S	SE	SE	46.7	47.7	34.3	45.1	173.8	10	A.-Cu.	Fr.-N. WSW	10	....	N. SW
10..	E	ENE	W	Calm	W	Calm	38.3	30	33.2	15.6	117.1	10	....	N.	10	....	N.
11..	E	Calm	SE	WNW	Calm	W	18.7	26.4	40.4	19.8	105.3	10	....	N.	10	....	N.
12..	Calm	Calm	Calm	NE	E	Calm	19.1	46.2	42.3	18.5	126.1	10	....	N.	10	....	N.
13..	S	NE	NW	Calm	Calm	SE	27.4	43	30.1	17.1	117.6	10	Ci.-S.	Fr.-N.	10	....	N.
14..	SE	SE	SE	SE	SE	E	36.2	48.3	53.9	73.4	211.8	10	....	N.	10	....	N.
15..	ESE	ESE	WNW	Calm	Calm	Calm	51.2	33	27.9	21.2	133.3	10	....	Fr.-N. SW	10	....	N. NW
16..	SE	SE	SE	E	SE	N	28.5	29.2	28.7	20.9	107.3	10	....	N. SW	10	A.-S.	N. SW
17..	Calm	E	SE	SW	Calm	Calm	19	38.3	30	24.6	111.9	10	....	Fr.-N. SW	9	A.-Cu. SW	N.
18..	Calm	E	ESE	SSE	Calm	SE	21.7	55	43.5	21.1	141.3	10	....	Fr.-N.	10	A.-S.	Fr.-N.
19..	SE	S	SE	WSW	ENE	NW	28	49.1	52.1	73	202.2	10	Ci.	S.-Cu.	9	Ci. E	Cu.
20..	WNW	WbyN	W	WbyN	WbyS	SSW	121.5	171.4	189.9	131.2	614	10	A.-S.	Fr.-N.NbyW	10	....	N. WNW
21..	ESE	SEbyE	ESE	ESE	ESE	Calm	88.3	133.8	87.7	56.8	366.6	10	....	N. SW	10	A.-S.	Fr.-N. SSW
22..	ESE	ESE	ESE	SE	Calm	Calm	64.7	41.6	20.6	13.4	140.3	10	....	Fr.-N. S	9	A.-Cu.	S.-Cu. S
23..	E	Calm	SW	NW	WSW	W	33.8	33	[a]51	[b]17.9	[c]135.7	10	....	Fr.-N. SSW	7	A.-Cu. WNW	Cu.
24..	Calm	WNW	WNW	W	W	WNW	34.1	87.1	115.9	51.5	288.6	10	....	Fr.-N. W	10	A.-S.	Fr.-N. WbyN
25..	Calm	SW	SW	S	SE	E	32.2	65.2	65.2	78.9	241.5	10	....	Fr.-N. W	10	A.-S.	Fr.-N. WSW
26..	SE	E	SE	ESE	SE	SE	60.4	79.7	69.5	57.6	267.2	10	....	N.	10	....	N.
27..	SE	SE	E	SE	SE	SE	65.5	67.3	67.4	62.2	262.4	10	....	N.	10	....	N.
28..	SE	SE	S	Calm	Calm	SE	74.8	35.9	22.2	30.3	163.2	10	....	N.	9	A.-Cu.	S.-Cu.
29..	Calm	E	NbyW	NW	WNW	WNW	23.5	33.2	84.7	74.1	215.5	10	A.-Cu.	Fr.-N. W	10	A.-Cu.	Cu.
30..	W	WbyN	WNW	WbyN	WbyS	W	86.3	96.9	118.5	105.2	406.9	10	A.-S.	S.-Cu.	10	A.-S.	Fr.-N. NW
31..	Calm	SE	ENE	NWbyN	WNW	NW	44.5	38	75.4	34.9	192.8	10	....	N. W	10	A.-S.	Fr.-N.
Mean	......	......	......	......	......	......	44.4	54.9	61.9	44.4	205.5	10	....	....	9.7	....	....
Total	......	......	......	......	......	......	......	......	......	......	[c]6,369.4	....	....	....	....	....	....

[a] 1 hour missing.

[b] 4 hours missing.

[c] 5 hours missing.

DAGUPAN

[φ=16° 03′ N; λ=120° 20′ E; barometer above sea, 6.38 meters; gravity correction not applied, —1.67 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	53.97	53.43	54.46	53.02	54.05	55.86	54.13	25	24.1	28.7	28.7	27.4	25.8	26.6	32.3	23.9	96	97	83	78	83	92	88.2	4.8
2..	54.95	55.65	57.12	55.93	57.34	58.95	56.66	25	24.8	27.6	30.3	25.8	25.1	26.4	31	24.3	95	95	85	69	89	92	87.5	1.5
3..	57.72	57.87	59.33	58.04	58.70	60.02	58.61	24.5	24.3	29.7	31.6	28.6	27.5	27.7	32	24	94	96	77	63	77	81	81.3	......
4..	58.73	58.99	60.13	58.39	58.34	59.94	59.09	26.4	25.6	29.5	31.4	28	27.7	28.1	32.1	25.3	90	95	79	66	83	81	82.3	......
5..	58.93	58.65	59.60	57.71	57.59	59.05	58.59	26	25.1	30	30.6	28.1	27.6	27.9	31.4	24.8	92	95	74	69	82	80	82	......
6..	57.91	57.85	58.64	56.64	56.80	58.06	57.65	27	25	30.4	31	28.5	26.4	28	31.9	24.8	84	90	70	65	81	86	79.3	29.7
7..	56.21	55.92	57.19	55.25	56.56	57.55	56.45	26.3	24.5	30.2	31	25	24.8	27	32	23.8	86	92	73	72	96	95	85.7	69.6
8..	56.40	56.07	57.30	55.50	55.72	57.18	56.36	24.6	23.7	29	31	28.7	27.9	27.5	31.4	23.4	97	97	81	72	78	85	85	......
9..	56.50	56.80	57.87	55.88	56.64	57.48	56.86	26	25.4	30.9	31.2	27.2	25.8	27.8	33	25	91	91	74	71	88	91	84.3	......
10..	56.57	56.82	57.45	55.12	55.13	56.37	56.24	24.9	24	29.7	31.6	28.5	28.1	27.8	32.5	23.7	94	96	78	65	81	84	83	......
11..	55.60	55.34	55.90	54.18	53.72	54.66	54.90	25.6	25.4	29.9	31.6	26.5	26.1	27.5	32.5	25	88	94	75	62	89	94	83.7	1.8
12..	54.40	54.51	54.23	52.89	53.15	54.25	53.90	25	24.6	29.9	31	28.2	26.6	27.6	32.2	24.3	96	96	75	67	78	91	83.8	.8
13..	53.40	53.68	54.48	52.96	53.34	55.29	53.86	25	24.2	29.4	31	28.5	26.7	27.5	31.2	24	92	96	76	70	79	88	83.5	......
14..	55.15	55.17	55.94	54.05	54.80	56.68	55.30	25.6	24.7	30.5	27.1	26	26.1	26.7	34	24.4	93	94	74	90	89	94	89	10.7
15..	55.94	56	56.65	54.82	55.97	57.36	56.12	25.2	24.5	30.3	33.2	27.5	24.8	27.6	33.6	24.1	94	94	73	63	85	93	83.7	9.4
16..	56.77	56.80	57.49	55.62	57.14	58.91	57.12	24.9	24.8	30.8	33.3	26.5	25.8	27.7	33.6	24.3	93	92	69	61	91	92	83	12.5
17..	58.14	57.84	59	57.60	58.08	59.25	58.32	24.6	23.8	28.8	31	28.8	26.4	27.2	32.6	23.4	91	86	65	64	73	79	76.3	......
18..	58.99	59.63	60.24	58.20	58.65	59.88	59.26	24.9	24	29.8	32.8	26.1	25.6	27.2	33.6	23.6	85	90	67	61	90	87	80	2
19..	59.05	59	59.65	57.63	57.70	59.53	58.76	25.1	24.5	30.8	32.7	28	25.5	27.8	33.2	24.1	83	83	64	62	82	91	77.5	1
20..	58.04	58.37	59.02	56.91	57.70	59.44	58.25	25	24	31	33.4	28.4	26	28	34.4	23.5	82	88	62	53	78	94	76.2	13.7
21..	58.49	58.26	59.17	57.01	58.05	59.63	58.44	25.2	24.1	29.7	31.1	28	25.9	27.3	33.1	23.7	94	94	69	65	77	93	82	3.1
22..	58.65	58.86	59.44	57.24	57.23	58.88	58.38	24.5	23.6	29.9	32.5	29.2	26.4	27.7	33	23.3	96	95	65	58	75	75	77.3	......
23..	58.20	58.17	59.22	57.37	57.58	59.32	58.31	25	24.5	29.5	32.8	28.7	26.3	27.8	33.9	23.9	76	77	65	54	70	80	70.3	......
24..	58.56	58.42	59.25	57.76	58.05	59.50	58.59	24.6	24.1	30.9	33.1	28.7	27	28.1	34.2	23.8	87	86	60	52	69	81	72.5	......
25..	58.49	58.77	59.71	58.28	58.15	59.40	58.80	24.5	23.6	31.4	31.8	28.7	26.8	27.8	33.3	23.4	84	82	57	58	73	88	73.7	......
26..	59	59.39	59.98	57.65	57.78	59.48	58.88	25.1	24.5	31.2	33	26.1	25.6	27.6	34.5	24	88	87	68	64	89	88	80.7	6.4
27..	58.77	58.93	59.57	57.40	57.55	59.43	58.61	24.8	24	31	33.8	27.8	26.6	28	34.5	23.8	91	95	67	58	81	90	80.3	.3
28..	58.85	58.87	59.14	57.27	57.45	58.94	58.42	25.1	24.3	30.1	32	28.7	27.8	28	33	24	92	95	66	60	71	81	77.5	......
29..	58.49	58.93	59.17	57.06	57.32	58.48	58.24	25.7	24.1	31.2	32.2	28.6	28.2	28.3	33.7	23.9	91	94	68	62	77	80	78.7	......
30..	58.23	58.74	59.23	56.70	56.95	58.15	58	25.8	24.7	31.6	34.2	29	28.3	28.9	34.7	24.5	93	92	62	53	75	83	76.3	......
Mean	57.30	57.39	58.19	56.34	56.77	58.23	57.37	25.2	24.4	30.1	31.7	27.8	26.5	27.6	32.9	24.1	90.3	91.8	70.7	64.2	81	87	80.8	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	167.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	SE	SW	SE	Calm	17.4	39.2	49.3	28.2	134.1	9	Ci.-S.	S.-Cu.	9	A.-Cu.	N. WSW
2..	E	SE	SE	WSW	E	SE	46.9	52	44.9	47.7	191.5	10	Ci.-S.	Fr.-N. SW	10	A.-S.	Fr.-N. SW
3..	SE	S	SE	N	N	NW	42	57.4	43.8	38.3	181.5	7	Ci.	S.-Cu.	9	A.-Cu.	N.
4..	Calm	Calm	NW	NW	NW	NW	16.1	41.2	96	69.8	223.1	10	A.-S.	S.-Cu.	8	Ci.-S.	Cu.
5..	Calm	E	Calm	NW	NW	NW	16.4	38.4	126.3	107.2?	288.3	3	Ci.	Cu.	2	Ci.	Cu.
6..	NNW	Calm	NW	NW	NW	NW	58.4?	38.1	110	78.1	284.6	2	Ci.	Cu.	6	Ci.	Cu.
7..	NE	E	N	NW	N	Calm	40.2	37.3	90.1	34	201.6	2	Ci.	Cu.	8	Ci.	Cu. NW
8..	SE	Calm	NW	NW	NW	E	31.6	23.5	69.2	42.8	167.1	9	Ci.	S.-Cu.	2	Ci.	Cu.
9..	Calm	SE	Calm	WNW	ESE	Calm	25.5	35.6	83.2	32	176.3	6	Ci.-S.	S.-Cu. E	6	Ci.	Cu.
10..	SE	SE	NW	NW	NW	W	43.7	31.2	72.9	61.5	209.3	10	Ci.-S. E	Cu.	9	Ci.-S. E	Cu.
11..	S	E	SW	NW	Calm	Calm	17.4	39.2	61.2	35.1	152.9	10	Ci.-S.	S.-Cu.	10	A.-S.	Cu.
12..	SE	SE	Calm	NW	NW	Calm	32.8	32.8	63.9	40.2	169.7	10	A.-Cu. E	S.-Cu.	10	A.-S.	Cu.
13..	SE	SE	SE	NNW	SW	Calm	37.3	45.3	30.9	17.1	130.6	10	A.-S.	S.-Cu.	10	A.-S.	Cu.
14..	SE	SE	SE	W	SW	Calm	38.6	57.6	55.8	22	174	9	Ci.-S.	S.-Cu.	10	....	N.
15..	E	S	S	S	S	E	37.6	83.7	78.3	48.8	248.4	9	A.-Cu.	S.-Cu.	7	A.-Cu.	N.
16..	S	SE	SE	SE	NE	Calm	52.8	85.1	68.6	32.2	238.7	10	A.-Cu.	S.-Cu.	6	Ci.	Cu.-N.
17..	Calm	SE	SE	SSE	SE	SSE	51.2	97.2	84.5	45.6	278.5	9	Ci.	S.-Cu.	9	A.-Cu.	Cu.
18..	E	E	SSE	SSE	NE	SE	39.2	110.5	72.4	34.9	257	5	A.-Cu.	S.-Cu.	6	A.-Cu.	Cu.
19..	SSE	S	S	Calm	N	SW	77.7	57.9	61.7	35.7	233	3	Ci.	Cu.	5	Ci.	Cu.
20..	SE	SE	SE	SW	NW	E	38	60.9	66.2	54.4	219.5	2	Ci.	Cu.	4	Ci.	Cu.
21..	SE	SE	SE	S	W	NE	46.5	97.9	73.7	44.3	262.4	3	Ci.	Cu.	8	A.-S.	Cu.
22..	SE	SE	SE	SE	SE	S	45.9	99.8	66.8	45.9	258.4	5	A.-Cu.	Cu.	2	Ci.	Cu.
23..	SE	SSE	SE	SE	N	SE	64.9	66.2?	65.7	67.6	264.4	7	A.-Cu.	S.-Cu.	2	Ci.	Cu.
24..	SE	SE	SE	S	N	SE	51.8	58.5	50.2	43.8	204.3	1	Ci.	Cu.	5	Ci.-S.	Cu.
25..	SE	SE	SSE	NNW	N	SW	55.3	53.7	79.4	42.6	231	1	Ci.	Cu.	1	Ci.	Cu.
26..	SW	SE	SE	NW	E	Calm	30.1	51.5	52.8	33	167.4	0	....	Cu.	6	Ci.-S.	Cu.
27..	SE	Calm	SSE	NW	SW	NW	37.3	53.7	43.5	42.4	176.9	4	Ci.	S.-Cu.	4	Ci.-S.	Cu.
28..	Calm	SE	SE	Calm	NW	Calm	17.4	47.3	42.4	43.1	150.2	7	Ci.	S.-Cu.	9	Ci.-S.	Cu.
29..	SE	Calm	ESE	NW	NW	N	29.3	41.2	84	63	217.5	2	Ci.	S.-Cu.	1	....	Cu.
30..	E	SE	SSE	NW	NW	Calm	33.5	57.3	66.5	51.5	208.8	0	....	Cu.	1	....	Cu.
Mean	......	......	......	......	......	......	39.1	56.4	68.5	46.1	210	5.8	....	....	6.2	....	....
Total	......	......	......	......	......	......	......	......	......	......	6,301	....	....	....	....	....	....

DAGUPAN

[ϕ=16° 03′ N; λ=120° 20′ E; barometer above sea, 6.38 meters; gravity correction not applied, —1.67 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.93	58.13	58.58	56.61	56.93	58.25	57.74	25	23.6	31	33.4	29.3	28.1	28.4	34.7	23.3	91	93	62	58	76	78	76.3	......
2..	57.33	57.09	57.47	55.30	55.31	57.23	56.62	26.4	25.1	31.7	33	28.8	27	28.7	33.9	24.9	89	94	65	60	76	88	78.7	2.1
3..	56.68	56.80	57.65	55.35	55.41	56.98	56.48	25.9	25.1	31.5	32.9	29.1	28.3	28.8	33.7	24.8	88	94	69	64	76	81	78.7	......
4..	56.60	56.96	57.82	55.84	55.98	57.37	56.76	28	26.3	31.2	31.6	28.6	28.2	29	32.5	26	84	92	68	66	77	77	77.3	......
5..	56.46	56.86	57.75	55.11	55.79	57.35	56.55	27.5	25.2	30.7	31.6	28.7	28	28.6	33	24.9	83	91	70	68	77	80	78.2	1.8
6..	56.88	57.55	58.15	55.42	56.21	58.76	57.16	26	25.1	30.8	34	29	24.5	28.2	34.6	23.8	93	95	72	58	80	94	82	55.1
7..	57.43	58.21	58.80	56.65	57.37	58.56	57.84	24.1	23.9	31.2	33	26.6	25.8	27.4	33.9	23.5	96	94	69	56	89	95	83.2	1
8..	57.20	57.33	58.40	55.45	54.97	56.63	56.66	25	24.6	27.8	30.4	27.8	25.6	26.9	31	24.4	95	97	88	72	84	89	87.5	......
9..	55.57	55.65	56.50	54.47	54.79	55.90	55.48	25	24.5	29	30.8	26	24.7	26.7	32.4	24.1	92	94	75	64	92	96	85.5	7.6
10..	54.91	55.35	55.68	53.48	54.99	56.66	55.18	24.8	24.3	30.2	32.7	26.7	24.2	27.2	33	23.9	93	94	69	62	83	94	82.5	.8
11..	55.46	56.06	57.19	56.05	56.78	58.83	56.73	24.4	24.4	29.8	30.1	28.2	26	27.2	30.6	23.8	91	88	69	69	77	86	80	......
12..	58.73	58.82	59.73	57.96	58.56	60.90	59.12	24.6	24.5	29	31.6	28.8	26.1	27.4	32.5	23.6	88	86	71	65	80	86	79.3	2.8
13..	59.55	59.75	60.50	58.33	58.65	60.29	59.51	24.8	24	30.2	33	28.6	27.8	28.1	34.5	23.8	94	97	74	65	74	79	80.5	......
14..	58.05	58.52	58.85	56.41	56.15	58.08	57.68	25.3	24.5	30.7	33.1	28.7	27.1	28.2	34.1	24.2	93	96	69	60	81	89	81.3	......
15..	56.52	55.76	57.20	54.41	54.47	55.98	55.72	25.2	24.5	29.6	32.4	28.8	26	27.8	33.2	24.4	87	92	75	64	78	85	80.2	......
16..	55.24	55.90	56.50	54.16	55.40	56.99	55.70	25.5	25.5	29.5	30.6	27.4	26.1	27.4	31.8	25	84	87	75	68	78	83	79.2	......
17..	56.05	56.96	58.28	55.76	56.66	58.20	56.98	25.5	25	30.7	31.8	26.2	25.8	27.5	34.1	24.6	87	92	71	69	90	93	83.7	1.8
18..	56.47	57.15	58.09	55.51	56.25	57.83	56.88	24.6	24.3	30.4	32.5	28.8	27.8	28.1	33.4	23.9	95	97	74	65	78	83	82	......
19..	56.88	57.45	58.08	55.53	56.33	58.29	57.09	27.3	25.4	30.2	32.8	28	26.6	28.4	33.2	24.9	85	94	73	67	82	87	81.3	......
20..	57.31	58.06	59.18	56.86	57.64	59.60	58.11	25.8	24.9	29.5	30.5	26.2	24.4	26.9	32.5	23.5	90	93	75	70	92	92	85.3	5.6
21..	58.56	58.98	59.88	57.63	58.92	60.30	59.04	23.8	23.2	29.7	32.6	26	25.5	26.8	33.5	22.8	91	91	65	55	88	77	77.8	1
22..	59.36	59.61	59.75	57.95	58.42	60.09	59.20	24.8	23.5	31	32.2	28.1	26.6	27.7	33.6	23.3	83	88	63	62	77	89	77	......
23..	59.19	59.46	60.38	58.28	58.90	60.33	59.42	25	24	31	32	28.5	25.6	27.7	33.3	23.6	90	95	67	66	76	92	81	......
24..	58.85	59.21	59.90	57.48	57.74	59.53	58.78	24.6	23.9	31.1	32.4	28.2	26	27.7	33.9	23.6	93	96	64	63	80	86	80.3	......
25..	58.65	59.06	59.99	57.65	58.37	59.66	58.90	24.9	24.5	31	29.4	25.5	24.7	26.7	33.1	24	92	92	67	74	91	93	84.8	3
26..	58.85	59.44	60.14	57.63	58.66	59.80	59.09	24	23.4	31	31.2	25.1	24.8	26.6	33.7	23	93	94	65	65	90	92	83.2	.5
27..	58.70	59.64	60.79	58.78	59.10	60.28	59.55	23.9	23.4	31.4	31.5	28.2	26	27.4	33	23.1	92	93	66	63	82	88	80.7	......
28..	59.26	59.19	59.88	57.73	58.23	59.57	58.98	25.2	23.9	31.7	32.5	28	25.6	27.8	33	23.7	90	95	64	60	81	93	80.5	1.8
29..	58.30	58.89	59.78	57.26	58.52	59.58	58.72	24.4	23.8	31.2	32.8	27.6	26.3	27.7	35	23.5	88	88	66	61	79	85	77.8	......
30..	58.52	58.93	59.63	57.16	57.63	59.08	58.49	24.8	24.1	32	33.1	29.2	26.5	28.3	34.8	23.9	90	92	63	60	76	80	76.8	......
31..	58.07	58.51	59.83	56.82	57.85	59.08	58.36	25.1	24.1	32.1	34.4	26.5	25.8	28	34.7	23.9	88	92	62	54	90	92	79.7	4.6
Mean	57.53	57.91	58.72	56.42	57	58.58	57.69	25.2	24.4	30.6	32.1	27.8	26.2	27.7	33.4	24	89.9	92.8	69.2	63.6	81.6	87.2	80.7	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	89.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	SE	SSE	NNW	NW	NW	32.4	57.1	66	63.4	218.9	0	Ci.	Cu.	2	....	Cu.
2..	S	SE	SE	NW	SW	NW	25.4	45.4	68.9	63.9	203.6	1	Ci.	Cu.	1	Ci.	Cu.
3..	Calm	SE	E	NNW	NW	W	38.1	42.8	80.2	74.6	235.7	7	Ci.	S.-Cu.	6	Ci.	Cu.
4..	W	Calm	NNW	NW	NW	NNW	49.7	46.5	122	104.6	322.8	9	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.
5..	N	Calm	Calm	NW	NW	NE	52.9	33.8	101.7	60	248.4	9	Ci.-S.	S.-Cu.	3	Ci.	Cu.
6..	SE	SE	SE	SE	WNW	SE	53.7	71.8	85.3	47.5	258.3	10	A.-Cu.	S.-Cu.	2	Ci.	Cu.
7..	S	E	SSW	NNW	Calm	SE	34.6	46.7?	60.6	26.4	168.3	4	Ci.-S.	Cu.	9	A.-Cu.	S.-Cu.
8..	Calm	SE	SE	SE	Calm	SE	21.4	47.8	31.9	28.5	129.6	10	A.-Cu.	S.-Cu. E	10	A.-S.	S.-Cu. E
9..	SE	E	S	NW	S	SE	25.4	35.9	44	60.4	165.7	10	Ci.-S.	S.-Cu. E	10	A.-Cu.	S.-Cu. E
10..	E	E	SE	SE	SE	SE	44.6	100.6	108.1	101.7	355	10	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.
11..	SE	SE	SE	SE	SE	SE	86.6	123.4	104.1	103.6	417.7	9	Ci.-S.	S.-Cu.	10	A.-S.	S.-Cu.
12..	SE	SE	SE	SE	Calm	WSW	63.4	116.9	74.6	36.7	291.6	10	A.-S.	S.-Cu.	10	A.-S.	S.-Cu.
13..	SE	Calm	SE	N	NW	NW	22	39.7	68.2	61.2	191.1	5	Ci.	....	9	Ci.-S.	Cu.
14..	Calm	SE	S	NNW	NNW	SE	20.7	34.6	57.9	38.6	151.8	10	....	S.	9	Ci.-S.	Cu.
15..	SE	Calm	NE	NW	Calm	S	25.1	25.1	35.7	24.7	110.6	10	A.-S.	S.-Cu.	10	A.-Cu.	S.-Cu.
16..	S	SSE	SE	SE	SE	S	79.2	113.5	109.2	77.5	379.4	10	A.-S.	S.-Cu. ESE	9	A.-Cu. S	Cu.
17..	SE	SE	SE	SE	S	Calm	48.5	58.9	55.5	27.2	190.1	10	Ci.-S.	S.-Cu.	10	A.-Cu. SSW	Cu.-N.
18..	S	E	S	WNW	NW	NW	37	35.6	56	65.7	194.3	9	A.-Cu.	S.-Cu.	4	Ci.	Cu.
19..	NW	SE	Calm	NW	NW	NNE	31.6	23.8	65.5	70.3	191.2	9	Ci.-S.	S.	6	Ci.	Cu.-N.
20..	SE	SE	SE	SE	E	SE	41.6	56.5	54.4	84.8	237.3	10	A.-Cu.	S.-Cu.	9	A.-Cu.	Cu.-N.
21..	S	SE	SSE	SSE	E	SE	47.8	72.6	57.9	42.8	221.1	9	Ci.	S.-Cu.	7	Ci.-S.	Cu.
22..	Calm	E	SSE	NNW	NNW	Calm	36	54.5	56.6	26.9	174	9	Ci.	S.-Cu.	2	....	Cu.
23..	S	Calm	SE	N	NW	Calm	13.9	44.8	56.5	32.5	147.7	1	....	Cu.	4	A.-Cu.	Cu.
24..	SE	Calm	SE	NNW	NW	S	29	45.1	60.2	34.3	168.6	1	....	Cu.	4	....	S.-cf.
25..	Calm	E	SE	Calm	SE	SE	24.1	44.9	49.3	33.5	151.8	9	Ci.	S.-Cu.	9	A.-Cu.	Fr.-N.
26..	SE	SE	SE	N	SSE	SE	32	38.6	58.7	32	161.3	1	Ci.	Cu.	8	Ci.	Cu.-N.
27..	Calm	E	SE	SEbyE	Calm	Calm	37.6	56.3	53.1	20.4	167.4	9	Ci.-S.	S.-Cu.	9	Ci.	Cu.-N.
28..	Calm	SE	SE	N	Calm	S	18.8	40.8	59.2	39.7	158.5	1	Ci.	S.-Cu.	3	Ci.	Cu.-N.
29..	SE	SE	SE	N	N	S	42.8	50.5	59.7	22.5	175.5	3	Ci.-S.	Cu.	7	A.-Cu.	Cu.
30..	SE	Calm	SSE	NNW	N	SE	26.2	32	59	38.3	155.5	4	Ci.	S.-Cu.	4	A.-Cu.	Cu.
31..	SE	SE	SSE	E	NE	Calm	24.9	72.2	49.3	32.2	178.6	9	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.
Mean	......	......	......	......	......	......	37.6	55.1	66.8	50.9	210.4	7	....	....	6.8	....	....
Total	......	......	......	......	......	......	......	......	......	......	6,521.4	....	....	....	....	....	....

DAGUPAN

[$\phi=16°$ 03′ N; $\lambda=120°$ 20′ E; barometer above sea, 6.38 meters; gravity correction not applied, —1.67 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.52	58.78	59.85	57.88	58.91	60.03	59	24.4	23.8	29.7	32.1	24.2	24.1	26.4	32.5	23.3	88	88	69	61	91	94	81.8	12.5
2..	58.56	59.37	60.38	58.38	58.74	59.76	59.20	24.3	23.8	29	30.7	28.5	25.8	27	33.5	23.5	92	90	71	66	80	84	80.5	....
3..	58.85	59.74	60.50	57.99	57.95	59.65	59.11	24.2	23.1	30	32.4	28.6	26	27.4	33	22.9	90	91	69	65	80	82	79.5	....
4..	58.38	58.93	59.43	57.50	58.28	59.35	58.64	25	23	31.4	31.5	28.2	25.2	27.4	34.4	22.6	84	93	62	65	62	82	74.7	....
5..	57.92	58.61	59.27	56.91	57.05	58.95	58.12	23.6	22.8	31.1	32.2	28.7	26.1	27.4	33.3	22.6	90	93	65	59	73	79	76.5	....
6..	57.95	58.28	58.56	56.71	57.32	59.15	58	23.5	21.5	30.6	32.6	29.5	26.3	27.3	34.1	21.2	85	92	60	46	68	80	71.8	....
7..	58.02	58.12	59.53	57.42	57.90	59.58	58.43	24.5	24	31.1	31.8	28.2	26.1	27.6	34.2	23.4	82	76	59	57	80	80	72.3	....
8..	58.62	59.01	59.53	57.01	57.32	58.82	58.38	24.1	23	31.2	32.4	28	25.8	27.4	34.2	22.9	91	94	64	57	74	85	77.5	....
9..	57.69	57.98	58.48	55.72	56.35	57.84	57.34	24.3	23	31.1	33	29	27.8	28	34.5	22.8	91	93	62	57	68	74	74.2	....
10..	56.91	57.48	57.74	55.53	56.07	56.98	56.78	24.9	23.6	31.1	31.8	28.4	26.9	27.8	32.3	23.4	89	90	66	64	76	90	79.2	11.1
11..	56.39	56.67	57.38	55.18	56.07	57.34	56.50	24.6	23.6	30.1	32.2	28.2	28	27.8	33.2	23.4	94	96	73	63	77	80	80.5	....
12..	56.75	57.21	57.90	56.08	56.77	57.98	57.12	25.5	24.2	30.7	30.9	28.1	26	27.6	32.6	24	92	96	69	72	75	88	82	....
13..	56.95	57.58	58.78	56.70	57.88	59.50	57.90	24.5	23.5	30.7	33	28.2	24.9	27.5	33.8	23.2	92	93	63	61	74	88	78.5	2.8
14..	58.38	58.81	59.38	57.44	58.05	58.86	58.49	24	22.8	30.4	30.5	27.3	24.5	26.6	31.1	22.5	91	96	60	62	78	91	79.7	....
15..	58.13	58.69	59.45	56.77	57.21	58.36	58.10	23	21.5	30.2	30.9	27.7	24.7	26.3	31.9	21.2	83	90	62	60	76	78	74.8	....
16..	57.63	58.02	58.83	56.02	56.80	58.03	57.56	23	21.6	30	31.7	27.8	27	26.8	32.6	21.4	85	91	62	56	76	78	74.7	....
17..	57.47	57.80	58.18	56.25	57.20	57.98	57.48	23.8	23.7	29.4	31.5	28.4	27.9	27.4	32.5	23.2	93	92	71	65	78	80	79.8	....
18..	56.73	57.13	58.09	55.75	56.24	57.80	56.96	27.3	26.9	30.2	29.9	27.5	25.9	28	31.1	24.7	84	86	73	71	82	81	79.5	.8
19..	57.37	57.62	58.55	56.17	57.20	58.41	57.55	24.5	23.4	29.1	31.2	27.1	26	26.9	32.4	23	87	93	70	69	83	83	80.8	....
20..	57.22	57.71	58.43	56.33	57.24	58.33	57.54	25	23.6	31	30.8	28.1	27	27.6	33.5	23.3	80	86	59	62	77	87	75.2	....
21..	57.30	57.44	57.53	55.84	56.54	58.30	57.16	25.4	24.2	30	28.8	27.9	24.5	26.8	31.3	24	92	95	68	73	76	87	81.8	....
22..	57.53	57.97	59.25	56.74	57.70	58.62	57.97	24	23.2	30	32	27.8	25.3	27	33.1	22.9	91	89	60	52	67	74	72.2	....
23..	58.62	58.99	59.85	57.87	58.91	60.05	59.05	23.7	23.3	29	29.8	24.5	22.7	25.5	30.6	21.9	76	75	58	60	84	92	74.2	.8
24..	58.97	59.67	60.59	58.76	58.94	59.97	59.48	22.1	22.2	26.2	27.2	25.1	22.3	24.2	28.5	21.6	90	90	75	70	79	78	80.3	....
25..	59.30	59.82	60.68	58.45	58.66	60.32	59.54	21.2	20	28.7	30.8	25.6	22.5	24.8	31.9	19.6	77	81	53	53	75	77	69.3	....
26..	60.23	60.28	60.91	58.34	58.71	59.41	59.65	20.8	19.4	29.2	29.9	26.7	23.6	24.9	31.1	19	83	91	56	56	71	86	73.8	....
27..	58.90	59.12	59.69	58.20	58.17	59.01	58.85	22.7	21.8	28.7	28.5	26.5	24.5	25.4	29.9	21.5	91	93	69	73	80	91	82.8	1
28..	58.27	58.37	59.98	58.91	59.83	60.69	59.34	23.6	23.5	25.9	26.2	26.5	24.9	25.1	29	23.1	93	95	86	87	86	89	89.3	.3
29..	59.92	59.72	60.68	58.47	59.35	60.40	59.76	23	22.8	31.1	30.3	26.6	25	26.5	33.2	21.8	95	88	62	69	86	87	81.2	....
30..	59.54	59.57	61.20	58.45	59.60	60.38	59.79	23.7	22.4	26	29.5	26.1	24.4	25.4	30	22.1	89	93	81	71	83	85	83.7	....
Mean	58.10	58.48	59.29	57.13	57.77	59	58.29	23.9	23	29.8	30.9	27.4	25.4	26.7	32.3	22.5	88	90.3	65.9	63.4	77.2	83.7	78.1	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SSE	SE	SE	S	S	SE	85	66.5	42	38.6	232.1	7	Ci.-S.	S.-Cu.	10	A.-Cu.	Cu.
2..	SE	S	SE	SE	NE	SE	89.5	65.8	47.5	45.4	248.2	10	A.-S.	S.-Cu. E	9	A.-Cu.	S.-Cu.
3..	NE	SE	Calm	NW	N	S	34.6	28.7	47.8	36.5	147.6	1	Ci.	S.-Cu.	2	Ci.	Cu.
4..	SSE	ESE	SE	N	E	E	51.8	49.3	48.8	31.4	181.3	7	Ci.	S.-Cu.	2	Ci.	Cu.
5..	E	SE	Calm	N	N	SE	32.8?	34	56.8	30.1	153.7	1	Ci.	S.-Cu.	2	....	Cu.
6..	SE	Calm	SE	E	SE	Calm	33.5	60.7	41	29	164.2	0	....	Cu.	1	....	Cu.
7..	SE	SSE	SE	NNW	N	SE	62.8	105.9	64.6	45.6	278.9	0	Ci.	Cu.	4	....	S.-Cu.
8..	Calm	E	SE	NNW	N	Calm	28.4	51	77.7	38.1	195.2	4	Ci.	Cu.	4	Ci.	Cu.
9..	E	SE	S	NNW	NW	W	32.7	54.7	46.2	53.3	186.9	4	Ci.	Cu.	1	Ci.	Cu.
10..	Calm	SE	NW	NW	NW	WNW	16.4	38.4	91.5	61.2	207.5	7	Ci.	S.-Cu.	1	Ci.	Cu.
11..	SE	SE	SE	NbyW	NW	NW	35.6	46.1	68.1	47.8	197.6	4	Ci.-S.	Cu.	3	Ci.	Cu.
12..	SE	SE	SE	NNW	NW	SE	26.2	45.3	88.3	48.5	208.3	7	Ci.-S.	Cu.	4	Ci.	Cu.-N.
13..	SE	SE	SSE	NW	NNW	S	35.4	52	62.3	48.8	198.5	9	Ci.	S.-Cu.	8	Ci.-S.	Cu.
14..	S	SE	SE	S	Calm	Calm	37.5	31.1	36.8	15.8	121.2	10	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.
15..	SE	SE	SSE	NW	N	S	30.1	36.5	47.8	48	162.4	9	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.
16..	SE	SE	Calm	NW	N	NW	31.6	33.6	68.1	36.2	169.5	4	Ci.-S.	Cu.	1	Ci.	Cu.
17..	SE	SE	NW	NbyW	NW	NW	24.9	33	62.3	62.5	182.7	9	A.-S.	S.-Cu.	6	Ci.-S.	Cu.
18..	NNW	NNW	NNW	NW	S	SSE	85.6	75	45.4	48.9	254.9	9	Ci.-S.	S.-Cu.	9	A.-S.	Fr.-N.
19..	SSE	E	SE	N	SE	SE	48.6	45.9	55.3	87.7	237.5	10	A.-Cu.	S.-Cu. E	9	A.-Cu.	S.-Cu.
20..	SE	SE	SE	NW	NNW	W	57.6	44.8	69.8	34.3	206.5	3	A.-Cu.	S.-Cu.	4	Ci.	Cu.
21..	Calm	Calm	NW	NW	N	S	18.7	39.1	90.3	41.2	189.3	7	Ci.	S.-Cu.	8	Ci.-S.	Cu.-N.
22..	E	SE	SSE	SE	S	SE	38.1	74.6	61.7	72.6	247	4	Ci.	S.-Cu.	6	A.-Cu.	Cu.
23..	S	S	SE	SE	SE	S	54.9	69	48.6	56.9	229.4	10	A.-S.	S.-Cu	10	A.-S.	Fr.-N.
24..	S	E	Calm	NW	Calm	S	39.6	29.6	40.8	37.6	147.6	10	A.-S.	S.-Cu.	10	A.-S.	S.-Cu.
25..	S	S	SE	NNW	Calm	SbyE	60.2	70.6	57.4	72.7	260.9	2	Ci.-S.	Cu.	1	Ci.	Cu.
26..	E	SE	SE	NNW	N	Calm	49.6	43.3	62.3	22.7	177.9	1	Ci.	Cu.	2	A.-Cu.	Cu.
27..	Calm	SE	NW	NNW	Calm	Calm	13.7	29.5	28	10.8	82	10	A.-S.	S.-Cu.	9	A.-S.	S.-Cu.
28..	E	S	Calm	SE	Calm	S	43.5	30	25.1	25.7	124.3	10	A.-S.	Fr.-N. E	10	A.-S.	S.-Cu.
29..	Calm	SE	SE	NNW	SW	SE	27.7	51.5	66.2	28.2	173.6	3	Ci.	S.-Cu.	9	A.-Cu.	Cu.
30..	SE	Calm	SE	SSE	SSE	SE	26.4	54.2	49.7	52.5	182.8	8	Ci.	S.-Cu.	10	A.-S.	Fr.-N.
Mean	......	......	......	......	......	......	41.8	49.7	56.6	43.6	191.6	6	....	....	5.8	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	5,749.5	....	....	....	....	....	....

DAGUPAN

[ϕ=16° 03′ N; λ=120° 20′ E; barometer above sea, 6.38 meters; gravity correction not applied, —1.67 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	mm.
1..	59.34	59.37	59.93	57.75	58.92	60.01	59.22	23.5	23.1	31.1	30.1	27.5	24.3	26.6	32.5	22.8	90	90	61	68	81	86	79.3	......
2..	59.59	59.60	60.57	57.96	58.50	59.85	59.34	23	22.2	30.5	33	27.7	24.6	26.8	34	21.8	87	89	62	54	81	79	75.3	......
3..	59.07	59.08	59.98	57.60	57.74	58.50	58.66	22	21	30	31	27.4	24.6	26	32.1	20.6	86	89	65	65	78	85	78	......
4..	57.82	57.89	58.31	55.57	55.94	56.99	57.09	22.6	21.9	30.8	29.5	27.7	26	26.4	31.8	21.5	89	92	64	68	79	89	80.2	......
5..	56.14	55.97	57.27	55.61	55.83	56.72	56.26	25	23.7	28.3	27	25.5	24.9	25.7	28.6	23.4	85	90	73	78	88	87	83.5	1.1
6..	56.31	56.79	57.58	55.47	55.94	57.52	56.60	23.9	24	27.5	29.9	26.5	24.7	26.1	31.8	23.5	92	96	81	69	86	92	86	1.3
7..	57.23	57.27	58.63	56.21	57.39	58.55	57.55	24	23.5	30	33.7	25.4	23.9	26.8	34.2	23.1	96	97	70	52	84	93	82	.5
8..	58	57.91	59.08	57.17	57.74	58.71	58.10	23.3	23.2	28.5	29.6	27.3	26.4	26.4	33.8	22.6	94	96	78	74	78	86	84.3	1.5
9..	58.14	58.18	59.42	57.50	58.28	59.31	58.47	24.5	23.6	30.8	30.6	27.5	25	27	33.8	23.4	96	95	65	70	80	80	81	......
10..	59.17	59.84	60.94	58.23	58.74	60.73	59.61	23.3	22.4	30.9	31.9	27.6	25.1	26.9	34.1	21.8	85	83	58	54	77	80	72.8	......
11..	59.62	60.35	60.58	58.54	59.28	60.54	59.82	23.2	21.6	30.9	31.5	27.3	25	26.6	32.3	21.4	85	95	55	59	81	88	77.2	......
12..	59.19	59.26	60.34	58.14	58.45	59.39	59.13	23.3	21.5	29.5	30.1	27	26.6	26.3	31.6	21.2	89	95	66	58	78	83	78.2	......
13..	58.48	58.76	58.95	56.58	56.99	58.07	57.97	24	22.5	29.5	30	27.2	25	26.4	31	22.3	91	96	72	69	79	88	82.5	......
14..	57.25	57.81	58.71	56.02	56.80	58.61	57.53	23.7	22.7	30.2	31.7	27.1	23.8	26.5	32.5	22.3	92	95	60	59	80	93	79.8	36
15..	57.73	58.22	59.68	57.60	58.47	59.31	58.50	23.5	21.8	28.8	29.1	26.4	26	25.9	29.9	21.5	91	96	71	73	79	83	82.2	......
16..	58.23	58.78	59.95	58.05	58.69	60.13	58.97	23.4	22.1	29.7	30.5	27.1	24.5	26.2	31.6	21.8	94	96	63	59	75	83	78.3	......
17..	59.66	60.15	61.04	59.16	59.80	61.09	60.15	22.8	21.2	29.2	30.9	26.9	24.2	25.9	31.5	20.9	86	93	63	60	81	83	77.7	......
18..	60.46	60.82	61.93	59.54	60.18	61.69	60.77	22.4	21.5	29.1	30	26.7	24.4	25.7	31.4	21	89	91	62	66	79	88	79.2	......
19..	60.64	61.19	62.28	59.76	60.58	62.23	61.11	22.4	22.2	29	32.3	27	24	26.2	33	21.5	88	85	62	52	64	75	71	......
20..	61.41	61.52	62.56	60.39	60.94	62.19	61.50	23.2	21	29.4	30.3	26.8	24.7	25.9	32.3	20.6	77	89	58	62	74	87	74.5	......
21..	61.38	61.51	62.58	60.48	61.19	62.41	61.59	23.1	22	29	30	26.6	24	25.8	33	21.7	95	94	68	65	77	82	80.2	......
22..	61.36	61.45	62.69	60.34	60.99	62.23	61.51	23.4	22.2	29.6	28.4	26.2	23.6	25.6	31.6	21.9	78	83	62	70	81	80	75.7	......
23..	61.60	61.25	61.78	59.75	60.37	61.25	61	21.8	20.8	29.6	29.2	27.5	24.2	25.5	31.7	20.5	88	91	58	64	76	91	78	9.9
24..	60.05	59.72	61.18	58.60	58.77	59.48	59.63	22.6	21.8	28.3	29.6	26.7	26	25.8	30	21.2	89	90	70	70	83	88	81.7	......
25..	58.63	58.80	60.15	58.30	58.68	59.96	59.09	23.6	22.6	29.5	29.9	26.8	24.8	26.2	31.1	22.3	95	97	73	71	83	90	84.8	......
26..	59.34	59.67	60.70	58.22	58.87	59.51	59.38	23.5	22.2	29.9	30.5	28.1	24.8	26.5	32.4	21.9	91	94	65	62	74	79	77.5	......
27..	59.06	60.01	60.94	59.13	59.29	60.48	59.82	23	21.9	28.9	29.7	27.2	26.6	26.2	30.6	21.5	88	93	66	68	71	77	77.2	......
28..	59.93	60.20	61.28	59.25	60.08	60.90	60.27	25.8	25.2	28.2	28.6	26.3	26.4	26.8	29.5	24.2	81	79	65	66	74	77	73.7	......
29..	60.17	60.65	61.68	59.58	60.46	61.77	60.72	23.4	23	28.5	29.6	26.5	24.4	25.9	30.8	22.6	88	84	64	64	73	68	73.5	......
30..	61.17	61.56	62.67	60.34	61.15	62.33	61.54	22.1	21	27.2	30.3	24.5	21	24.4	31	20	71	72	52	42	53	72	60.3	......
31..	61.53	62.26	63.77	60.87	61.48	62.86	62.13	19.6	19.4	25.6	30	25.3	21	23.5	30.2	18.8	70	68	52	44	59	75	61.3	......
Mean	59.28	59.54	60.55	58.31	58.92	60.11	59.45	23.2	22.2	29.3	30.3	26.8	24.7	26.1	31.8	21.8	87.6	90.1	64.6	63.1	77	83.5	77.6	......
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	50.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	Km.	Km.	Km.	Km.	0–10			0–10		
1..	SE	SE	SE	NbyW	N	SE	39.7	40.7	54.7	29	164.1	9	A.-Cu. S	S.-Cu.	7	A.-Cu.	Cu.
2..	SE	Calm	SSE	SE	Calm	SSE	32	51.8	68.1	52.5	204.4	3	Ci.	Cu.	5	Ci.	Cu.
3..	S	SE	SE	NNW	N	S	31.1	39.7	64.9	17.7	153.4	1	Ci.	S.-Cu.	3	Ci.	Cu.
4..	Calm	E	NW	NW	Calm	SW	22.5	30.4	56.8	15.3	125	7	Ci.	S.-Cu.	9	A.-Cu.	Cu.
5..	SE	NE	SE	S	SE	SE	33.8	35.4	50.5	33.5	153.2	10	A.-S.	S.-Cu.	10	A.-S.	N.
6..	SE	Calm	SE	SE	S	SE	26.8	55.8	54.4	30.9	167.9	10	....	N.	10	A.-S.	S.-Cu.
7..	SE	SE	SE	SSE	SW	Calm	39.9	48.6	69.4	50.5	208.4	7	Ci.-S.	S.-Cu.	5	Ci.	Fr.-N.
8..	SE	SE	SE	NbyW	WNW	N	25.1	58.5	92.7	53.1	229.4	4	Ci.	S.-Cu.	7	Ci.	Cu.
9..	SE	SE	SE	NNW	Calm	SE	30.8	62.6	45.1	71	209.5	6	Ci.-S.	S.-Cu.	10	A.-S.	Fr.-N. E
10..	E	SE	SE	NW	N	Calm	44.6	42.8	54.7	32.7	174.8	2	Ci.	S.-Cu.	3	Ci.-S.	Cu.
11..	SE	E	SE	NNW	NW	SW	37	51	78.3	34.1	200.4	1	Ci.	Cu.	1	Ci.	Cu.
12..	Calm	SE	Calm	NNW	NNW	NW	18.3	32.7	84.5	65	200.5	1	....	S.-Cu.	2	Ci.	Cu.
13..	Calm	Calm	NW	NW	NNW	SSE	15.6	30	90.6	51.5	187.7	3	Ci.	Cu.	2	Ci.	Cu.
14..	E	E	SE	NW	NbyW	Calm	23.9	39.6	55.7	29.5	148.7	1	Ci.-S.	Cu.	1	Ci.	Cu.
15..	Calm	Calm	S	NW	NNW	N	17.1	38.6	93.3	74.6	223.6	1	Ci.	Cu.	3	A.-Cu.	Cu.
16..	Calm	SE	SE	NNW	N	S	26.8	41.8	66.2	40	174.8	1	....	Cu.	1	....	Cu.
17..	S	SE	S	NW	N	SW	37	32	67.8	31.2	168	0	Ci.	Cu.	3	Ci.-S.	Cu.
18..	SE	SE	SE	NW	NW	S	26.8	44.5	80.2	44	195.5	1	Ci.	Cu.	3	Ci.	Cu.
19..	SE	SE	SbyE	SSE	SE	SSE	39.1	69.2	79.9	77	265.2	1	Ci.	S.-Cu.	7	Ci.	Cu.
20..	S	SE	SE	NW	NNW	NE	59.2	57.4	86.9	73.5	277	8	Ci.-S.	S.-Cu.	4	A.-Cu.	Cu.
21..	Calm	E	SE	NNW	SSE	SE	14.5	42.6	62.5	40.2	159.8	2	Ci.	Cu.	8	Ci.-S.	Cu.-N.
22..	SSE	SSF	SE	N	Calm	S	66	42.3	55.8	35.6	199.7	6	Ci.	S.-Cu.	9	A.-Cu.	Cu.-N.
23..	Calm	SE	S	NW	Calm	S	28.5	31.9	52.8	32	145.2	2	Ci.	S.-Cu.	9	A.-Cu.	S.-Cu. E
24..	SE	SE	Calm	NW	NW	NW	36.8	33.5	92.7	49.4	212.4	1	Ci.	Cu.	5	Ci.	Cu.
25..	Calm	Calm	Calm	NNW	NW	S	15.1	22.3	71.4	48	156.8	3	Ci.	S.-Cu.	7	Ci.	Cu.
26..	E	Calm	SE	NNW	Calm	SSE	25.5	44	65.4	56.9	191.8	0	....	S.-Cu.	5	Ci.	Cu.
27..	E	Calm	NW	NW	NW	NNW	27.4	24.4	91.4	93.1	236.3	1	Ci.	Cu.	9	Ci.	Cu.
28..	N	N	NNW	NW	NW	N	62.2	108.6	140.8	72.1	383.7	2	Ci.	Cu.	0	....	Cu.
29..	S	SE	SSE	NNW	N	S	39.4	55.3	62.5	52.8	210	10	A.-S.	S.-Cu.	10	A.-Cu.	S.-Cu.
30..	S	S	SE	ESE	SE	SbyE	67	83.1	112.7	113.5	376.3	2	Ci.	S.-Cu.	8	Ci.-S.	Cu.
31..	SbyE	SbyE	SSE	SSE	SE	S	119.3	113.7	87.4	53.7	374.1	1	Ci.	S.-Cu.	2	Ci.	....
Mean	......	......	......	......	......	......	36.4	48.5	73.9	50.1	209	3.5	....	....	5.4	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	6,477.6	....	....	....	....	....	....

BAGUIO

[ϕ=16° 25′ N; λ=120° 36′ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 600 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	37.47	38.10	39.59	38.36	39.07	39.55	38.69	15.9	15.8	21.1	22.1	17.9	16.2	18.2	24.5	14.8	58	53	33	68	74	76	60.3	....
2..	39.08	39.21	40.13	38.68	38.78	39.62	39.25	15.5	15.3	21.5	22	18.5	16	18.1	24.3	13.5	76	77	59	68	89	87	76	....
3..	38.96	39.20	40.26	38.87	39.31	40.14	39.46	15	15	22	22.2	17.9	16.5	18.1	23.4	14.7	91	87	65	71	89	90	82.2	....
4..	39.47	39.80	40.79	39.25	39.57	40.02	39.82	15.4	14.9	22.3	20.2	18.1	16.1	17.8	24.1	14.5	89	88	67	81	91	89	84.2	2.5
5..	39.18	39.83	41.07	39.71	40.49	40.98	40.21	15.6	15.5	18.4	19.4	16.1	15.6	16.8	22.4	14.5	91	88	73	79	90	80	83.5	....
6..	40.70	40.49	41.52	40.24	40.77	41.05	40.80	15.3	14.7	19.2	20.5	15.1	14.3	16.5	22.3	13.3	76	69	54	48	75	79	66.8	....
7..	40.22	39.79	40.74	39.29	39.84	40.42	40.05	14.4	14.6	18.9	20.5	16.6	14.8	16.6	21.7	13.4	77	76	58	54	70	81	69.3	....
8..	39.60	39.62	40.49	38.59	38.69	39.31	39.38	15	15.3	20.5	23.8	18.1	15.7	18.1	24.9	14.5	83	81	52	46	76	81	69.8	....
9..	38.43	38.40	39.48	37.88	37.98	38.70	38.48	15.1	15.7	21.6	20.2	17.1	15.9	17.6	23.8	14.7	82	80	63	78	94	93	81.7	....
10..	37.51	37.43	38.70	37.13	37.25	37.90	37.65	15.3	14.8	22.7	23.7	17.6	16.2	18.4	24.9	13.6	91	87	56	57	86	82	76.5	....
11..	36.84	36.83	38.23	37.03	37.36	38.14	37.40	15.5	14.8	23.1	23.6	17	15.7	18.3	24.3	14.2	82	73	46	54	88	80	70.5	....
12..	37.28	36.99	38.44	37.06	37.19	38.06	37.50	15	14.5	22.3	22.5	16.3	14.5	17.5	23.9	13.5	74	36	47	58	87	52	59	....
13..	37.53	37.15	38.70	37.26	37.47	38.45	37.76	14.4	14.8	21	22.4	17.2	15.2	17.5	23.6	13.5	44	30	28	46	80	81	51.5	....
14..	38.07	38.40	40.10	38.85	39.23	39.48	39.02	13.9	13.8	20.3	20.6	17.1	15.4	16.8	22.9	13.1	73	69	50	67	78	86	70.5	....
15..	39.07	39.02	40.19	39.09	39.25	39.72	39.39	15	14.8	18.9	18.5	16.4	16	16.6	21.5	14.3	88	89	67	83	94	92	85.5	....
16..	39.56	39.18	40.29	39.18	39.46	40.25	39.65	15.2	13.7	21.6	18.9	16.6	15.5	16.9	23.1	13.1	92	95	50	82	88	92	83.2	....
17..	39.84	39.73	41.19	40.02	40.38	41.21	40.40	14.5	14	20.8	19.9	16.5	15.1	16.8	23.2	13.2	92	91	50	73	95	97	83	....
18..	40.28	40.26	41.67	40.33	40.41	41.03	40.66	13.7	13.2	18.9	19.1	16.6	14.9	16.1	22.4	12.6	95	93	61	77	85	86	82.8	....
19..	40.39	40.46	41.37	39.99	40.32	40.74	40.54	13.5	13	17.6	17.7	15.9	14.3	15.3	21.6	12.6	91	93	73	79	86	88	85	....
20..	40.16	39.88	40.62	39	39.10	40	39.79	12.8	13.2	18.8	18.5	16.3	13.5	15.5	20.4	12.2	94	88	63	79	84	90	83	....
21..	39.64	39.58	40.96	39.44	39.68	40.18	39.91	12.6	12.6	20	21.4	15.9	14.6	16.2	22.8	12.2	87	78	46	64	90	85	75	....
22..	39.39	39.49	40.59	38.99	39.04	39.50	39.50	14	12.9	19.9	20.9	15.6	13.7	16.2	21.8	11.7	85	78	52	65	85	80	74.2	....
23..	38.65	38.51	39.83	38.55	38.48	39.18	38.87	13.2	11.8	19.9	22.3	16.9	14.4	16.4	23.3	11.4	72	71	42	54	60	63	60.3	....
24..	38.38	38.28	39.55	38.14	38.40	38.62	38.56	14	14.7	24	23	17	15.1	18	24.1	13	47	18	20	46	62	65	43	....
25..	37.77	38.10	39.86	38.36	38.37	38.82	38.55	14.7	13.1	20.4	22.3	17.4	16.2	17.4	23.2	11.8	58	61	46	59	78	68	61.7	....
26..	38.27	38.31	40.03	38.58	38.82	39.23	38.87	14.6	13.4	19.4	21.6	16	14.1	16.5	22.4	12.4	81	87	62	69	81	77	74.7	....
27..	38.34	38.35	39.91	38.36	38.80	39.70	38.91	14.1	14.4	19.1	22.2	16.7	14.7	16.9	22.3	11.3	61	27	62	61	67	72	58.3	....
28..	38.81	38.71	40.11	38.22	38.05	38.45	38.72	13.5	13.5	20.7	22.4	17.3	15.6	17.2	24.4	11.2	64	54	50	62	75	68	62.2	....
29..	37.94	38.44	39.87	38.52	38.75	38.87	38.73	14.7	13.6	20.9	23.3	17	15.1	17.4	25.4	13.2	80	80	48	61	88	90	74.5	....
30..	37.85	38.32	39.97	38.27	38.50	39.10	38.67	14.1	13.6	19.5	22.5	17.4	15.5	17.1	23.8	13.3	84	67	66	61	76	63	69.5	....
31..	38.11	38.02	39.01	37.96	38.19	38.78	38.34	14.5	15	22.8	23.1	16.4	14.8	17.8	25.3	13.9	64	42	20	47	81	85	56.5	....
Mean	38.81	38.83	40.11	38.68	38.94	39.53	39.15	14.5	14.2	20.6	21.3	16.9	15.2	17.1	23.3	13.2	78.2	71.2	52.5	64.1	82	80.4	71.4	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	E	E	WSW	SE	E	256.1	214.5	73.4	77.4	621.4	0	Ci.	S.-Cu.	1	....	Cu. SE
2..	E	E	SW	W	S	E	65.5	82.4	87.7	77.5	313.1	0	Ci.	Cu.	8	....	Cu.-N. W
3..	E	E	SW	SW	SW	E	80.2	70.3	81	58.1	289.6	0	Ci.	Cu.	6	....	Cu. SE
4..	E	E	SW	WSW	SE	E	75.9	79.2	61.7	124.2	341	0	Ci.	Cu.	10	....	S.
5..	E	SE	E	ESE	ESE	E	108.8	106.2	64.2	109.7	388.9	0	....	S.-Cu.	9	....	Cu.-N. ESE
6..	E	E	ESE	ESE	E	E	159.9	185.2	116.1	157.1	618.3	0	Ci.	S.-Cu.	7	A.-Cu. SSW	Cu.
7..	SE	E	ESE	SE	E	E	169.3	242.4	150	151	712.7	0	Ci.	Cu.	1	Ci.	Cu. SE
8..	SE	SE	E	SW	E	E	174.4	126.6	65	169.8	535.8	0	....	S.-Cu.	0	....	Cu.
9..	E	E	SW	W	NW	E	143.5	80.2	89.9	41	354.6	0	Ci.	S.-Cu.	8	....	Cu.-N.
10..	E	E	SW	SW	SE	E	78.1	82.3	121.7	67.9	350	0	Ci.	S.-Cu.	5	....	Cu.
11..	E	E	SW	SW	SW	SE	58.9	75	115.3	39.1	288.3	0	Ci.	Cu.	2	....	Cu. NW
12..	E	NW	SW	W	NW	N	46.5	79.2	120.2	[a]57.4	303.3	0	Ci.-S.	Cu.	0	Ci.	Cu. NW
13..	......	NW	SW	SW	SE	E	.....	74.8	106.2	87.1	....	0	Ci.	Cu.	0	Ci.	Cu.
14..	E	E	SW	WSW	SE	SE	93	62.5	95.2	92.7	343.4	0	Ci.	S.-Cu.	7	....	Cu.-N. E
15..	SE	SE	E	W	SW	E	105.7	108.9	68.6	44.9	328.1	1	Ci.	Cu.	8	....	Cu.-N.
16..	SE	E	NE	W	Calm	E	64.2	96.6	101.4	25.1	287.3	0	....	Cu.	10	....	Cu.-N.
17..	N	E	ESE	SW	W	NE	52.1	77	97.9	23	250	0	....	Cu.	6	....	Cu. NE
18..	NE	E	WSW	WSW	SW	E	58.9	58.2	101.2	40	258.3	0	Ci.-S.	....	9	....	Cu.-N.
19..	N	Calm	SW	W	SE	E	39.2	52.8	88.3	84.5	264.8	1	....	Cu.	8	....	Cu.-N.
20..	E	E	ESE	WSW	W	E	89.3	88.7	[b]62.5	[b]94.4	334.9	0	....	Cu.	9	....	Cu.-N. EbyN
21..	......	E	SE	W	W	N	.....	101.7	100.3	45.7	....	0	....	Cu.	6	....	Cu. ESE
22..	N	E	SW	WSW	SW	E	53.4	67.4	91.9	86.1	298.8	0	....	Cu.	9	....	Cu.
23..	E	E	SW	SW	SE	E	122.9	88.2	91.9	80.3	383.3	0	....	S.	0	Ci.	Cu.
24..	E	SE	NW	SW	SE	E	72.4	50.1	103.5	98	324	0	Ci.	Cu.	0	Ci.	....
25..	SE	NE	WSW	SW	SE	E	32.8	53.7	88.3	107.6	282.4	0	....	S.	0	Ci.	Cu.
26..	N	NNE	SW	SW	S	E	72.6	59.8	101.1	54.1	287.6	0	....	S.	0	....	Cu.
27..	SW	SE	WSW	SW	SE	E	48.1	39.6	87.5	99.2	274.4	0	Ci.	Cu.	0	....	Cu.
28..	E	E	E	SW	SE	E	91.7	124.1	89.1	215.6	520.5	0	....	S.	8	....	Cu.
29..	E	SE	E	SW	SE	SE	145	135	107.8	75	462.8	0	....	Cu.	5	....	Cu. SE
30..	E	E	SW	WSW	SE	SE	135	69	87.9	123.3	415.2	0	....	Cu.	0	Ci.	Cu.
31..	E	E	E	WSW	W	SE	118.9	95.2	129	46.7	389.8	0	....	S.	0	....	Cu.
Mean	......	......	......	......	......	......	97	94.4	95	85.6	373.2	0.1	....	....	4.6	....	....

[a] 2 hours missing.

[b] 1 hour missing.

NOTE.—The barometric readings of this station are not reduced to sea level.

BAGUIO

[φ=16° 25′ N; λ=120° 36′ E; barometer above sea, 1,512.5 meters; gravity correction not applied, −1.65 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 600 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	38.08	38.22	39.11	38.37	38.80	39.21	38.63	13.3	12.7	22.3	20.4	17.4	15.3	16.9	23.5	12.2	95	98	39	70	81	86	78.2	....
2..	38.72	38.88	40.34	39.32	39.62	39.91	39.46	13.7	13.5	21.3	21.2	17.2	15.8	17.1	23.3	12.6	86	72	44	67	84	86	73.2	....
3..	39.55	39.79	40.68	39.34	39.89	40.39	39.94	14.6	13.2	20.5	22	16.7	15.5	17.1	23.6	13	92	95	51	66	87	91	80.3	....
4..	39.79	40.39	41.65	39.91	40.78	40.96	40.58	14.6	13.6	20	20.4	17.1	14.8	16.8	22	13.1	92	95	67	72	92	90	84.7	....
5..	40.19	40.57	41.42	39.87	40.70	40.85	40.60	13.5	12.6	18.9	19.1	14.9	13.4	15.4	21	12.1	90	86	53	50	69	76	70.7	....
6..	40.10	40.95	42.25	40.38	41.02	41.14	40.97	13.8	13.4	19.1	21.7	16.4	13.9	16.4	23.1	12.9	72	77	53	37	64	74	62.8	....
7..	40.32	40.99	42.13	40.32	41.08	41.07	40.98	14.2	14.4	19.7	20.4	18.1	15.7	17.1	23.9	13	70	70	53	64	68	75	66.7	....
8..	40.13	41.03	41.98	39.97	40.22	40.40	40.62	15.1	14.6	22.4	22.4	17.2	15.6	17.9	24.8	13.4	75	80	51	62	92	92	75.3	11.2
9..	39.77	39.95	41.34	39.71	40.24	40.54	40.26	15.1	14.7	21.3	19	16.9	15.6	17.1	23.5	14.4	88	86	56	82	91	91	82.3	.5
10..	39.53	39.47	40.82	38.76	38.87	39.63	39.51	14.5	14	17.6	18.5	16	14.8	15.9	21	13.7	92	84	85	85	95	89	88.3	....
11..	39.10	39.41	40.58	39.08	39.20	39.98	39.56	13.4	13	20.9	22.6	17.2	15.1	17	23.6	12.4	90	81	33	65	86	79	72.3	....
12..	39.16	38.89	40.16	38.36	38.62	39.59	39.13	13.6	14.1	20.7	25.2	18.2	15.9	18	25.3	13	78	66	39	48	70	87	64.7	....
13..	38.95	38.77	40.37	38.79	38.81	39.67	39.23	15.7	15.6	19.4	22.2	18.2	17	18	24	14.3	85	85	71	67	84	91	80.5	....
14..	39.04	39.10	39.93	38.89	39.12	39.65	39.29	16.3	15.2	21.7	19.8	18.4	15.7	17.8	23.6	14.8	93	96	66	82	84	90	85.2	....
15..	39.18	39.46	40.28	39.14	39.67	40.20	39.66	15	14.5	22	22.7	17.4	15.9	17.9	24.4	14.2	82	75	53	64	94	94	77	....
16..	39.56	39.30	40.01	38.48	37.89	38.32	38.93	14.7	14	21.6	21.6	19	16.3	17.9	24.9	13.5	91	86	55	62	57	78	71.5	....
17..	38.07	37.70	38.35	37	36.95	37.33	37.57	14.6	13.3	19.3	20.1	17.2	15.3	16.6	23.9	12.7	86	94	72	64	63	54	72.2	....
18..	36.51	36.73	37.58	36.61	36.90	37.52	36.98	14.3	13.7	22	22	16.7	15.4	17.4	24.1	13.2	76	75	49	58	89	92	73.2	....
19..	36.95	37.72	38.79	37.28	37.40	38.10	37.71	14.2	13.9	21.6	22.4	16.8	15.4	17.4	24.7	13.3	91	89	54	54	94	91	78.8	.3
20..	37.56	38.02	38.41	36.83	36.86	37.47	37.52	15.1	14.6	22	18.9	17.8	15.4	17.3	23.9	14.4	93	89	52	83	88	95	83.3	....
21..	36.89	37.40	38.73	36.88	37.03	37.33	37.38	14.6	14.2	21.4	22.3	17.2	16.1	17.6	25	13.8	97	95	58	64	88	86	81.3	....
22..	36.52	36.52	37.60	36.34	36.61	37.25	36.81	15.5	15	23.9	25	19.7	17.5	19.4	26.4	14.1	80	85	29	49	51	44	56.3	....
23..	36.49	36.93	38.28	36.96	37.16	38	37.30	16.3	14.8	22.5	25	18.3	17.7	19.1	25.3	14	51	48	28	48	72	67	52.3	....
24..	37.58	37.77	38.85	37.13	37.11	37.87	37.72	16.5	15.2	22.5	22.9	17.1	16.7	18.5	24.9	14.8	73	74	42	64	91	82	71	....
25..	37.14	37.25	38.58	36.78	36.98	37.56	37.38	15.4	14.1	21.6	22	17.9	15.7	17.8	24.3	13.7	79	81	35	66	87	87	72.5	....
26..	37.14	37.47	38.93	37.84	37.90	38.57	37.98	14.4	13.7	20.8	23	17.8	15.2	17.5	24.7	13.2	77	76	46	46	71	78	65.7	....
27..	37.54	38.06	39.45	38.01	37.67	38.41	38.19	14	12.5	20.9	22.8	16.3	15.1	16.9	23.5	12.4	83	87	55	55	84	80	74	....
28..	38.06	38.10	39.17	37.84	37.42	38.42	38.17	14.7	13.3	18.3	21.9	15.4	14.4	16.3	22.6	12.8	77	80	61	61	87	84	75	....
Mean	38.50	38.74	39.85	38.36	38.59	39.12	38.86	14.7	14	20.9	21.7	17.3	15.6	17.4	23.9	13.4	83.4	82.3	51.8	62.7	80.8	82.5	73.9	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12

Day.	Wind.											Clouds.				
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.	
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	E	SE	W	SE	SE	92.3	100.6	94.4	90.1	377.4	0	....	S.	9	....	Cu.-N.
2..	NE	E	ESE	SW	SE	SE	70.8	74	89.5	61.7	296	0	....	S.	6	....	Cu. E
3..	E	E	E	SW	W	E	40.7	79.5	107.3	31.7	259.2	0	....	S.	1	....	Cu. E
4..	NE	N	SW	WSW	SE	E	39.7	73.8	87.4	105.4	306.3	4	....	Cu.-N.	7	....	Cu. E
5..	E	SE	E	SE	E	E	130.4	155.1	180.5	265.5	731.5	0	....	Cu.	0	Ci.	Cu.
6..	E	E	E	ESE	E	E	263.3	230.7	94.6	180.5	769.1	0	....	Cu.	1	Ci.	Cu. E
7..	E	E	E	WSW	SE	E	183.7	145.1	94.3	119.1	542.2	0	Ci.	Cu.	7	....	Cu. SE
8..	E	NE	WSW	SW	W	E	101.9	55.5	109.7	81.1	348.2	0	....	Cu.	7	....	Cu. SE
9..	SE	E	E	WSW	W	N	88	71.3	93.6	49.3	302.2	0	....	S.	8	....	Cu.-N.
10..	N	N	W	SW	W	E	71.1	67.3	75.9	57.1	271.4	0	....	S.	8	....	Cu.-N.
11..	E	E	SE	WSW	N	E	114.8	110.7	112	74.6	412.1	0	Ci.	Cu.	6	....	Cu. SE
12..	E	E	SE	SW	SW	SE	114.6	111.2	119.3	74.3	419.4	0	....	S.-Cu.	0	....	Cu. SE
13..	E	SE	W	WSW	W	W	85.9	73.8	94.8	38.1	292.6	0	....	Cu.	8	....	Cu.-N.
14..	NE	E	SW	W	S	E	27.2	68.4	80.7	63.3	239.6	0	....	Cu.	10	....	Cu.-N.
15..	E	E	SW	WSW	W	Calm	99.3	69.5	132.5	18.7	320	0	....	Cu.	7	....	Cu. SE
16..	N	N	W	WSW	SE	SE	59.3	100	143.8	49.4	352.5	0	Ci.	Cu.	6	....	Cu. NW
17..	W	E	SW	SW	W	SE	31.7	60	124.5	45.3	261.5	0	....	Cu.	4	....	Cu. W
18..	E	E	WSW	W	SW	SE	65	64.4	121.5	42.6	293.5	0	Ci.-S.	....	6	....	Cu.-N. SW
19..	E	E	SW	W	W	W	78.9	69.5	130.2	43.7	322.3	0	....	S.	6	....	Cu. NW
20..	SE	E	SSE	W	W	SE	53.9	60.9	119.7	55	289.5	0	Ci.	Cu.	10	....	Cu.-N.
21..	E	E	WSW	SW	W	SE	46.9	73.8	135.5	36.2	292.4	6	....	Cu.-N.	5	....	Cu. W
22..	S	E	SW	W	W	NW	53.4	93.5	144.5	60.6	352	0	Ci.	Cu.	3	....	Cu. WbyN
23..	W	N	WSW	WSW	W	SE	65.5	87.4	144.5	44.8	342.2	0	....	S.	6	....	Cu. ESE
24..	SE	SE	NE	W	W	E	21.9	65	117.8	46.7	251.4	0	Ci.	Cu.	9	....	Cu.-N. WNW
25..	E	E	E	WSW	NE	E	87.5	108.3	85.3	59.3	340.4	0	....	S.	7	....	Cu.-N. WSW
26..	E	E	NE	WSW	SW	E	90.7	85.9	161.1	69.2	406.9	9	....	Cu.-N.	0	Ci.	Cu.
27..	E	E	SW	WSW	W	N	66.3	74.2	132.6	31.4	304.5	2	Ci.	Cu.	0	....	Cu. SE
28..	SE	N	WSW	WSW	W	E	37.8	45.9	119.7	[a]22.8	226.2	4	....	S.-Cu.	7	Ci.-S.	Cu.-N.
Mean	.....	.....	.....	.....	.....	.....	81.5	88.4	116	68.5	354.4	0.9	....	....	5.5	....	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[a]9,922.5	....	....	....	....	....	....

[a] 2 hours missing.

BAGUIO

[φ=16° 25′ N; λ=120° 36′ E; barometer above sea, 1,512.5 meters; gravity correction not applied, −1.65 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 600 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	37.51	37.70	38.75	37.40	37.25	37.92	37.76	14	13.7	21.5	24.4	17.9	15.6	17.8	25.1	13.2	82	79	34	47	69	81	65.3	....
2..	37.38	37.30	38.77	37.70	37.83	38.52	37.92	14.3	12.7	19.9	21.1	17.4	15.6	16.8	23.9	12.2	91	94	61	72	80	81	79.8	....
3..	37.84	38.02	39.80	38.66	38.69	39.09	38.68	14.4	14.2	23.4	23.9	18.4	16.2	18.4	25.6	13.3	77	53	37	53	77	82	63.2	....
4..	38.39	38.39	40.06	38.79	38.85	39.17	38.94	14.3	13.3	22.2	22.4	17.6	15.8	17.6	24.6	12.9	87	79	37	67	82	88	73.3	....
5..	38.18	38.20	39.64	38.56	38.39	38.89	38.64	14.9	13.9	20.4	23.9	17.5	15.4	17.7	24.2	13.4	91	94	64	58	85	89	80.2	....
6..	38.35	38.10	39.23	38.38	38.29	38.67	38.50	14.7	13.9	20.4	23.6	18.4	16.3	17.9	24.8	13.2	90	90	65	56	75	75	75.2	....
7..	37.83	38.20	39.49	38.31	38.22	38.76	38.47	16.4	17.6	23	24.5	18.6	16.4	19.4	26.5	14.9	56	35	29	51	79	80	55	....
8..	37.81	37.95	39.37	38.27	38.12	39.05	38.43	16.3	15.9	23.8	22.5	18.4	15.9	18.8	25.9	14.4	59	53	22	68	84	79	60.8	....
9..	38.27	38	39.40	38.24	38.36	39.27	38.59	14.8	14.2	23.9	24.4	19.8	18	19.2	26.5	13.9	79	78	43	59	77	86	70.3	....
10..	38.19	38.40	39.55	38.17	38.09	38.87	38.54	16.4	15.5	20.5	21.5	17.9	16.7	18.1	24.3	15.2	92	92	72	73	84	88	83.5	....
11..	38.33	38.70	39.50	37.91	37.86	38.48	38.46	15.3	14.3	22	24.1	19.3	16.3	18.6	24.8	14.3	91	89	49	56	70	82	72.8	....
12..	38.30	38.82	40.42	38.74	38.33	39.17	38.96	15.2	14.6	20.2	19.4	18.2	17.3	17.5	24.3	14.2	88	93	66	81	84	84	82.7	....
13..	38.42	38.76	40.10	38.27	38.04	38.79	38.73	16.2	15	18.9	21.9	18.2	17.3	17.9	24.3	14.8	88	94	78	63	86	88	82.8	....
14..	37.82	38.07	39.86	38.49	38.30	39.30	38.64	16.4	15.1	19.4	21	18.4	16.9	17.9	24.9	14.8	88	95	65	67	86	88	81.5	....
15..	38.51	38.86	40.47	38.64	38.39	39.25	39.02	15.6	15.4	23	20.8	18.7	17.5	18.5	24.5	15	92	91	65	78	89	88	83.8	....
16..	38.46	38.62	39.88	38.28	38.08	38.76	38.68	16.3	15.5	20.7	21.7	18.5	16.7	18.2	25.4	15.2	88	87	65	70	80	81	78.5	....
17..	38.18	38.06	39.66	38.44	38.73	39.61	38.78	15.5	14.6	23.4	25.1	18.1	16.2	18.8	26.5	14.3	79	76	35	40	85	83	66.3	....
18..	38.69	38.67	40.06	38.72	39.04	40.15	39.22	15.1	14.1	22.1	24.5	18.9	17.4	18.7	25.8	13.7	83	90	62	60	84	85	77.3	....
19..	39.27	39.48	40.97	39.52	39.36	40.08	39.78	15.5	14.2	23	22.4	18.7	17.8	18.6	25.5	13.8	82	84	57	71	74	74	73.7	....
20..	39.11	39.23	40.25	38.62	38.36	38.96	39.09	16.6	15.9	24.4	24.9	18.9	16.7	19.6	26.4	15.5	77	74	36	50	89	91	69.5	....
21..	38.05	37.95	39.19	37.72	37.77	38.39	38.18	16.4	15.5	19.4	23.6	18.5	17.5	18.5	26	15.3	88	92	77	65	88	89	83.2	....
22..	37.70	37.67	38.91	37.49	37.55	38.30	37.94	16.2	15.5	22.1	23.9	19.3	18.7	19.3	26.9	15.1	93	95	63	66	90	82	81.5	....
23..	37.35	37.65	38.77	37.59	37.32	38.07	37.79	17.1	15	20	26	18.9	16.6	18.9	26.3	14.8	90	98	79	56	95	99	86.2	....
24..	37.32	37.57	38.60	37.42	37.46	38.05	37.74	16.4	15.7	22.1	21.2	19.5	18.6	18.9	25.6	15.4	92	89	67	81	86	83	83	....
25..	37.40	37.54	38.76	37.84	37.90	39.07	38.08	17.3	16.4	22.9	21.6	19.7	19.3	19.5	25.5	16	93	96	69	80	91	84	85.5	....
26..	38.51	38.57	39.21	37.79	37.78	38.43	38.38	17.4	17	24.5	25.5	19.6	17.3	20.2	27.2	15.8	96	88	38	53	88	90	75.5	....
27..	37.49	37.69	39.13	37.29	36.99	38.06	37.78	15.6	15	24.6	26.4	20.1	18	20	27.5	14.5	72	78	19	37	63	72	56.8	....
28..	37.33	38	39	37.45	37.37	38.40	37.92	16.5	15.4	22.7	21.9	19.5	18	19	24.4	14.6	84	93	62	66	88	89	80.3	....
29..	37.53	37.46	38.68	37.36	37.38	38.60	37.84	16.5	15.1	21.1	23.2	19.2	17.8	18.8	25.8	14.7	89	97	68	64	81	89	81.3	....
30..	37.31	36.83	37.93	36.18	36.21	37.40	36.98	16.5	15.4	19.7	22.1	17.1	15.7	17.8	25.8	15	92	93	77	64	94	92	85.3	55.4
31..	36.58	36.27	37.54	35.82	36	37.08	36.55	14.9	16.3	19.5	20.6	16.4	15.8	17.2	22	14.2	91	80	81	82	99	95	88	25.7
Mean	37.98	38.09	39.39	38	37.95	38.73	38.36	15.8	15	21.8	23	18.6	16.9	18.5	25.4	14.4	85.2	84.5	56.2	63	83.3	85.1	76.2	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	81.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	......	N	ESE	WSW	W	SE	.....	70.6?	140.2	38.8	[a] 249.6	8	....	Cu.-N.	0	Ci.	Cu.
2..	E	NE	SW	W	N	E	48	71.8	96.6	76.6	293	0	....	S.	10	....	Cu.-N.
3..	E	SE	SW	WSW	W	SE	78.4	83.7	128.9	65.8	356.8	0	....	S.	0	....	Cu.
4..	E	E	ESE	SW	W	E	128.9	99.3	127.7	57.7	413.6	0	Ci.	Cu.	3	....	Cu. ESE
5..	E	SE	WSW	SW	SW	SE	44	78.7	131.7	46.2	300.6	0	Ci.	S.	8	....	Cu.
6..	E	NE	WSW	WSW	SE	E	55.3	56	126.9	122.3	360.5	0	....	Cu.	1	....	Cu.
7..	E	SE	ESE	SW	W	SE	94.3	155.1	141.9	96.1	487.4	0	Ci.	Cu.	0	....	Cu. E
8..	E	E	SE	SW	W	E	103.2	86.1	109.1	67.1	365.5	0	....	Cu.	10	....	Cu.-N.
9..	SE	E	ESE	SW	W	N	139.2	147.1	139.2	52.6	478.1	0	....	Cu.	6	....	Cu. SE
10..	E	E	WSW	SW	W	S	75.8	78.4	114.9	31.2	300.3	0	....	S.	9	....	Cu.-N. SE
11..	E	E	SE	WSW	SW	E	92	108	122.3	70	392.3	8	....	Cu.-N.	8	....	Cu. E
12..	E	NE	SW	NW	W	N	65.7	85	112.5	27.7	290.9	0	....	Cu.	10	....	N.
13..	NE	NE	WSW	SW	W	E	25.4	66	132.2	28.7	252.3	10	....	Cu.-N.	8	....	Cu. E
14..	SE	E	S	SW	W	E	59.3	71	147.8	39.4	317.5	0	....	Cu.	9	....	Cu.-N. swbyw
15..	N	NW	W	W	W	Calm	43.8	81.5	101.9	17.5	244.7	0	....	Cu.	8	....	Cu.-N.
16..	W	E	SW	W	W	SE	41.8	75.4	135.7	65.7	318.6	0	....	Cu.	8	....	Cu.-N. S
17..	E	E	E	SW	W	SE	99.6	101.7	146.2	72.4	419.9	0	....	S.	0	....	Cu. SSE
18..	E	NE	SW	W	SW	SE	77.5	75.1	129.8	55.5	337.9	0	....	S.	3	....	Cu. ESE
19..	E	NE	WSW	W	W	SE	83.1	100	128.4	58.1	369.6	0	....	S.	8	....	Cu.-N.
20..	SE	E	ESE	SW	WSW	SE	107.8	97.2	152.7	54.1	411.8	0	....	S.	8	....	Cu. ESE
21..	E	E	WSW	NW	W	E	79.7	86.6	137.8	56.9	361	0	Ci.	Cu.	8	....	Cu. E
22..	E	SE	SW	W	W	SE	67.6	84	150.3	46.9	348.8	0	....	Cu.	8	....	Cu. WSW
23..	SE	E	SW	WSW	W	SE	76.4	78.7	146.6	46.4	348.1	0	....	Cu.	4	....	Cu. E
24..	SE	E	SW	W	SW	SE	67.4	104.6	99.3	91.9	363.2	0	....	Cu.	10	....	Cu.-N.
25..	E	E	WSW	W	SW	SE	109.6	95.5	97.4	61.7	364.2	10	....	Cu.-N.	10	....	Cu.-N.
26..	E	SE	ESE	W	W	S	39.6	113.8	161.2	54.2	368.8	0	Ci.	Cu.	2	....	Cu. ESE
27..	E	E	E	WSW	W	SE	72.6	57.6	143.2	55.2	328.6	0	....	S.	0	....	Cu.
28..	SE	N	SW	W	W	SE	58.7	91.4	89.6	53.9	293.6	0	....	Cu.	10	....	Cu.-N.
29..	SE	E	WSW	WSW	W	W	45.1	79.1	140	35.7	299.9	0	....	S.	8	....	Cu. SE
30..	E	E	SW	WSW	NE	S	88.5	88.3	156.4	79.4	412.6	4	....	Cu.-N.	9	A.-Cu. W	Cu.-N. ssw
31..	E	SE	W	W	W	NE	82.7	62.5	116.1	40.2	301.5	4	....	Cu.	9	....	Cu.-N.
Mean	......	......	......	......	......	......	75	88.1	129.2	57	346.8	1.4	....	....	6.3	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	[a] 10,751.2	....	....	....	....	....	....

[a] 6 hours missing.

BAGUIO

[ϕ=16° 25′ N; λ=120° 36′ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 600 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	36.54	37.21	38.37	37.04	36.93	38.12	37.37	16.1	16.2	20.5	20.4	18.6	17.3	18.2	25.1	15.4	89	87	79	87	92	89	87.2	......
2..	37.41	38	39.25	37.84	37.77	38.66	38.16	16.7	16.8	23.4	24.3	19.1	17.7	19.7	26.2	16.1	92	88	61	68	89	89	81.2	......
3..	37.74	37.73	38.33	36.69	36.64	37.87	37.50	16.8	16.4	20.4	20.9	18.6	17.2	18.4	25.1	15.1	91	92	76	83	94	96	88.7	11.7
4..	36.86	37.01	38.16	36.80	36.67	37.98	37.25	16.6	16.1	23.1	20.7	18.9	17.6	18.8	24.5	15.2	92	88	59	86	93	94	85.3	.5
5..	37.42	37.88	38.75	37.65	37.87	38.32	37.98	16.4	16.2	21.6	21	18.2	17.4	18.5	25.5	15.8	96	95	79	82	92	95	89.8	......
6..	37.86	38.05	39.01	37.89	37.75	38.51	38.18	16.9	16.7	20.8	22.4	19.1	18.4	19	24.4	16.6	97	96	78	77	94	90	88.7	......
7..	37.57	37.93	38.71	37.21	37.22	37.69	37.72	17.2	16.3	21.9	23.4	19.3	18.2	19.4	25.6	15.9	92	80	69	66	95	94	82.7	......
8..	36.57	37.04	37.90	36.60	36.67	37.63	37.07	17.5	16.7	20.5	22.2	20	19.1	19.3	25.4	16.5	97	96	84	81	89	90	89.5	......
9..	36.50	36.61	37.72	36.38	36.52	37.24	36.83	17.9	17	23.4	22.5	19.9	18.7	19.9	24.9	16.7	94	95	70	77	91	87	85.7	......
10..	35.68	36.10	37.62	36.14	36.22	37.76	36.59	17.5	16.5	24.1	24.3	19.9	18.1	20.1	26.8	16.3	89	93	68	73	73	84	80	10.2
11..	36.70	36.39	37.67	35.69	36.59	37.14	36.70	17.6	17.6	24.2	21	17.2	17.2	19.1	25.1	16.7	90	92	62	89	94	91	86.3	37.4
12..	36.30	36.45	37.81	36.01	36.01	37.11	36.62	16.6	17.2	22.8	22.8	19.2	17.9	19.4	24.3	16.4	96	91	63	93	94	92	88.2	12.7
13..	36.61	36.51	37.57	36.22	36.11	37.38	36.73	17.6	16.9	23.7	21.1	18.2	17.9	19.2	24.4	16.4	93	92	56	84	88	85	83	.8
14..	36.35	36.82	37.83	36.79	36.79	38.34	37.15	17.4	16.3	22.8	22.2	19.2	18.2	19.4	25.3	16	83	91	73	79	97	91	85.7	.3
15..	37.29	37.39	38.36	37.34	37.56	38.59	37.76	17.4	16.1	21.6	24.9	20.3	18.8	19.8	26.1	15.7	93	98	75	68	85	85	84	......
16..	38.03	37.90	38.77	37.39	37.22	38.11	37.90	17.7	16.9	21.4	23.6	19	18.2	19.5	25.4	16.6	82	84	80	78	85	87	82.7	......
17..	37.20	37.09	38.46	37.19	37.08	37.86	37.48	17.5	17	22.3	23.9	18.9	18.1	19.6	25.3	16.4	81	74	72	66	76	76	74.2	......
18..	36.75	36.88	38.48	36.87	36.79	38.22	37.33	17.3	16.7	23.9	24.9	20.3	18.4	20.2	26.9	16.2	73	73	39	61	79	88	68.8	......
19..	37.75	37.88	38.95	38.27	38.38	39.57	38.47	17.5	16.6	24.6	23.9	19.9	18.2	20.1	26	16.3	92	95	43	70	86	78	77.3	......
20..	38.75	38.69	39.71	38.56	38.54	39.37	38.94	17.1	16.7	24	26.4	20.4	17.6	20.4	26.6	16.1	80	76	51	49	73	76	67.5	......
21..	38.62	38.81	39.27	37.94	37.88	38.82	38.56	17.5	16.9	24.3	25.6	20.3	18.1	20.4	26.9	16.4	66	71	40	43	70	70	60	......
22..	38.16	38.10	38.69	37.43	37.35	38.49	38.04	17	16.5	25	26.4	19.6	18.4	20.5	26.8	15.8	74	76	33	55	78	76	65.3	......
23..	38.34	38.53	39.37	38.19	38.14	38.95	38.59	17.4	16.8	22.6	21.2	18.2	18.1	19	25.3	16.1	81	86	73	83	88	79	81.7	......
24..	38.44	38.70	39.46	38.21	37.94	38.99	38.62	17.3	16.6	19.9	21.3	19	18.1	18.7	25.3	15.6	77	73	71	76	88	91	79.3	.8
25..	38.31	38.50	39.11	37.69	37.56	38.72	38.32	17	16.6	21.2	20	19.4	18.1	18.7	24.8	16.2	93	81	74	76	81	80	80.8	......
26..	37.78	37.59	38.69	37.16	37.14	38.12	37.75	17	16.4	22.9	22	19.5	18.8	19.4	25.4	15.4	86	87	65	77	89	84	81.3	......
27..	37.19	37.17	37.98	36.38	36.29	37.27	37.05	17.6	16.8	20.8	22.6	19.4	18.9	19.4	25.6	16.5	91	94	78	76	90	87	86	......
28..	36.47	36.65	37.84	36.19	36.36	37.52	36.84	18.1	17.6	19.9	25.2	20.4	19.1	20	26.7	16.5	90	94	90	64	82	86	84.3	......
29..	36.78	36.94	37.94	36.77	36.83	37.97	37.20	18.1	17.8	25.5	23.2	20.9	18.5	20.7	26.8	17.2	92	92	59	77	86	93	83.2	2
30..	37.20	37.59	38.44	37.15	36.87	37.55	37.47	17.7	17.4	23.9	24.6	21.1	19	20.6	25.6	16	97	93	70	72	84	85	83.5	......
Mean	37.31	37.47	38.47	37.12	37.12	38.13	37.61	17.3	16.7	22.6	23	19.4	18.2	19.5	25.6	16.1	88	87.4	66.3	73.9	86.5	86.3	81.4	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	76.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	W	SW	SW	W	W	N	22.8	53.1	114.5	33.6	224	4	Ci.	Cu.	10	....	N.
2..	NW	W	SW	W	W	SE	32.5	70.5	133.1	50.2	286 3	9	....	Cu.-N.	7	....	Cu. SSE
3..	E	E	SW	SW	W	N	49.1	73.7	107.6	77.5	307.9	0	Ci.	Cu.	10	....	Cu.-N.
4..	E	SW	ESE	SW	SW	NE	63.8	49.7	100.8	41.3	255.6	0	Ci.	Cu.	9	....	Cu.-N.
5..	SE	SE	WSW	W	W	N	67.1	73.7	139	49.7	329.5	0	Ci.	Cu.	10	....	Cu.-N.
6..	SE	E	WSW	W	W	SW	57.1	71.6	106	36	270.7	2	Ci.	Cu.	9	....	Cu.-N.
7..	E	E	W	WSW	W	SE	75.6	97.6	129	30.4	332.6	0	Ci.	Cu.	7	....	Cu.-N. W
8..	SE	E	SW	W	W	NE	40.2	77	117.7	26.2	261.1	0	Ci.	Cu.	8	....	Cu. W
9..	SE	E	NW	SW	W	E	41.3	64.9	119.3	56.6	282.1	3	Ci.	Cu.	10	....	Cu.-N.
10..	E	E	WSW	W	E	SE	124.4	77.5	99	68.2	369.1	0	Ci.	Cu.	10	....	Cu.-N.
11..	W	E	E	WSW	E	E	40.8	68.7	105.1	92.7	307.3	0	Ci.	Cu.	10	....	Cu.-N.
12..	E	SE	SSE	SW	E	E	104.4	91.9	71.3	65.4	333	0	Ci.	Cu.	9	....	N.
13..	SE	SE	E	SW	NE	E	91.1	92.7	88.3	77.2	349.3	0	....	Cu.	10	....	Cu.-N. W
14..	SE	SE	E	W	SW	SE	57.1	74.8	104.6	53.6	290.1	1	Ci.	Cu. NE	8	....	Cu.-N. SW
15..	E	E	WSW	W	NW	SE	78.7	86.4	134.6	55.8	355.5	10	....	S.	7	....	Cu.-N. NW
16..	SE	E	W	W	NE	SE	89.5	100	103.8	80.2	373.5	0	Ci.	Cu.	9	....	Cu.-N.
17..	E	E	WSW	W	W	E	95.2	81.8	134.2	61.7	372.9	0	Ci.	Cu.	7	....	Cu.-N. E
18..	SE	E	SE	W	W	S	104.1	82.7	147.9	26.4	361.1	0	Ci.	Cu.	5	....	Cu. SE
19..	SW	NE	E	W	W	SE	25.1	84.2	130.9	31.4	271.6	0	Ci.	Cu.	7	....	Cu.-N.
20..	E	E	SE	W	W	E	35.6	65.8	147.1	38.1	286.6	0	Ci.	Cu.	0	Ci.	Cu. SE
21..	E	E	E	WSW	W	SE	68.1	50.9	135.8	48.9	303.7	0	Ci.	Cu.	1	....	Cu.
22..	SE	E	SE	WSW	SW	SE	78.7	81.3	154.8	37.2	352	0	Ci.	Cu.	6	....	Cu. E
23..	SE	S	W	SW	NE	SE	39.4	73	105.7	78.6	296.7	0	....	Cu.	10	....	Cu.-N.
24..	SE	E	W	W	N	E	65.2	80.2	115.7	63.9	325	0	Ci.	Cu.	10	....	N.
25..	SE	E	SW	W	W	E	88.2	79.7	107.8	31.7	307.4	0	Ci.	Cu.	9	Ci.-S.	Cu.-N. NNE
26..	SE	SE	SW	W	W	SE	41.8	73.5	114.6	50.7	280.6	0	Ci.	Cu.	8	....	Cu.-N.
27..	SE	E	SW	W	W	W	75	76.1	121	37.2	309.3	0	....	Cu.	9	....	Cu.-N. WSW
28..	SE	E	W	W	W	E	35.7	67	144.6	44.3	291.6	6	....	Cu. NNE	7	....	Cu. E
29..	W	E	ESE	W	W	E	28	65.8	101.7	53.9	249.4	1	....	Cu.	10	....	Cu.-N.
30..	E	E	W	WSW	SW	SE	53.7	69.5	117.2	48.6	289	0	Ci.	Cu.	8	....	Cu. SSE
Mean	......	......	......	......	......	......	62.3	75.2	118.4	51.6	307.5	1.2	....	....	8	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	9,224.5	....	....	....	....	....	....

BAGUIO

[ϕ=16° 25′ N; λ=120° 36′ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

MAY, 1919

Day.	Atmospheric pressure, 600 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	37.12	37.15	37.76	37	37.14	38.16	37.39	17.4	16.7	20.9	26.8	20.4	18.3	20.6	27.3	16.4	93	94	46	52	80	88	75.5	......
2..	37.66	37.77	38.31	37.08	36.97	38.25	37.67	17.4	17.3	21.6	25.5	18.2	18.3	19.7	26.3	16.4	85	93	77	68	92	86	83.5	0.8
3..	37.23	37.36	38.17	37.02	37.12	37.86	37.46	17.2	16.5	24.5	23	19.1	17.8	19.7	25.8	15.9	84	78	50	74	80	77	73.8	......
4..	37.19	37.33	38.39	37.27	37.34	38.27	37.63	16.4	16.4	24.5	23.1	18.8	17.6	19.5	25.9	15.7	81	77	43	76	91	89	76.2	1.3
5..	37.89	38.17	39.29	38.30	38.48	39.02	38.52	17	16.4	23.8	23.9	21.4	18.4	20.2	26.4	16	84	81	48	66	82	81	73.7	......
6..	38.29	38.32	39.34	37.99	37.87	38.44	38.38	17.2	16.7	24.9	24.6	20.1	18.3	20.3	26.3	16.1	77	80	44	65	80	86	72	1.5
7..	37.40	37.82	38.69	37.43	37.16	37.64	37.69	17.6	16.7	24.9	26.2	20.2	18.8	20.7	26.7	15.9	84	78	32	50	76	78	66.3	......
8..	37.01	37.09	37.88	36.97	37.16	37.96	37.34	17.5	17.2	22.9	25.6	19.4	18.8	20.2	26.2	16.4	85	82	65	62	87	82	77.2	5.1
9..	37.25	37.15	38.10	37.03	36.74	38.08	37.39	17.2	17.2	23.9	25.5	19.7	17.2	20.1	26.3	16.4	87	76	50	61	94	100	78	10.5
10..	37	36.74	37.83	36.24	36.36	36.64	36.80	17.4	16.8	23.5	22.4	18.1	16.6	19.1	25.2	15.2	97	96	66	79	83	91	85.3	39.5
11..	35.92	35.90	36.92	35.58	35.73	36.88	36.16	16.7	16.4	19.9	20.5	17.5	16.9	18	22.9	16	93	97	87	84	100	95	92.7	43.2
12..	35.88	35.98	37.05	35.77	35.57	36.96	36.20	16.4	16.7	22.9	18.6	18.9	18	18.6	23.2	16.1	87	80	66	81	97	96	84.5	31
13..	36.14	36.23	37.01	35.70	36.22	37.28	36.43	17.1	17.2	21.4	22	17.4	17.1	18.7	24.3	16	95	94	75	89	94	92	89.8	26.5
14..	36.14	36	36.97	35.60	35.62	36.67	36.17	17.3	17.4	20.7	24	16.7	16.9	18.8	24.8	16.2	85	86	82	71	91	90	84.2	35.3
15..	36.12	35.67	36.46	35.78	35.39	36.22	35.94	16.4	16.9	22.4	20.2	18.6	17.1	18.6	24.8	16	96	91	66	91	94	93	88.5	2.3
16..	35.25	35.13	36.14	35.31	35.15	36.49	35.58	16.8	16.7	20.5	21	18.9	17.4	18.6	24.1	16.3	92	91	82	91	89	93	89.7	2.3
17..	35.54	35.28	36.16	35.19	35.15	36.22	35.59	16.9	16.8	22	23.9	18.5	16.9	19.2	24.9	16.4	91	90	74	70	95	100	86.7	9.9
18..	35.09	34.96	35.99	34.67	34.99	36.06	35.29	16.8	17.1	23.4	21.7	18.1	17.6	19.1	24.5	16.2	89	83	62	73	96	97	83.3	11.6
19..	35.43	35.40	36.32	35.66	35.72	36.86	35.90	17.3	17.2	21.1	19.8	17.3	17.2	18.3	22	16.4	94	92	72	82	98	97	89.2	22.4
20..	35.80	35.99	37.08	36.07	36.59	37.12	36.44	17.9	17.4	20.4	23.3	18.2	17.5	19.1	23.3	16.5	75	84	78	60	92	93	80.3	5.9
21..	36.75	37.09	37.95	36.98	37.09	37.90	37.29	17.2	17.4	24.2	23.2	19.6	18.1	20	25.5	16.7	90	90	66	90	92	95	87.2	5.1
22..	37.11	37.11	37.99	36.59	37.10	37.70	37.27	17.9	17.1	22.6	18.8	19	18.4	19	25.3	16.8	94	97	84	83	97	92	91.2	37.3
23..	37.01	37.11	37.99	36.38	36.63	37.44	37.09	17.7	17.9	21.2	18.9	19.4	18.1	18.9	24	16.8	92	89	85	89	94	95	90.7	16.7
24..	36.38	36.83	37.72	36.49	36.83	36.98	36.87	17.6	17.8	22.6	19.4	18.2	18	18.9	25	16.4	90	85	65	92	96	89	86.2	16.2
25..	36.48	36.88	37.89	36.53	36.49	37.12	36.90	17.7	17.7	21.5	20.7	19.9	18.2	19.3	23.2	16.8	87	85	83	91	96	97	89.8	7.9
26..	36.18	36.20	37.03	35.49	35.76	36.61	36.21	17.5	18	22.5	23	18.6	18.1	19.6	24.3	16.8	90	84	78	79	92	93	86	38.9
27..	35.81	35.35	36	34.54	34.55	35.77	35.34	17.3	17.6	22.7	18.8	18.7	18	18.8	24.1	16.9	99	97	82	94	94	93	93.2	7.2
28..	35.19	34.61	35.84	34.83	34.23	35.99	35.12	17.6	17.4	20	17.6	18.1	17.4	18	21.8	16.8	92	91	90	86	83	89	88.5	44.9
29..	35.07	35.13	36.26	35.33	35.38	36.74	35.65	17.3	17.5	21.2	18.6	17.5	17.2	18.2	24.6	16.8	91	89	73	96	95	97	90.2	14.3
30..	35.94	35.75	36.37	35.90	35.91	37.21	36.18	17.5	17.3	21.5	19.8	18.9	17.8	18.8	24.8	17.1	93	93	64	88	83	82	83.8	1.1
31..	36.93	36.80	37.46	36.45	36.28	37.28	36.87	17.5	17.6	23.4	23.4	19	18.3	19.9	25	16.8	83	74	59	63	94	95	78	1.5
Mean	36.46	36.46	37.37	36.23	36.28	37.22	36.67	17.2	17.1	22.5	22.1	18.8	17.8	19.2	24.8	16.4	88.9	87	67.5	77.3	90.5	91	83.7	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	440.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	E	ENE	SW	W	NW	50.1	49.6	138.9	28.8	267.4	0	Ci.	Cu.	0	....	Cu. ESE
2..	E	NW	WSW	W	N	E	37	71.8	130.2	82.6	321.6	2	Ci.	Cu.	8	....	Cu. SE
3..	E	E	ESE	SW	NE	SE	122.9	93.3	112	95.3	423.5	0	Ci.	Cu.	9	....	Cu.-N. ESE
4..	SE	E	E	WSW	W	E	113.8	89	105.6	77	385.4	0	Ci.	Cu.	8	....	Cu.
5..	SE	E	E	WSW	W	SE	133.9	112.5	128.5	72.7	447.6	0	Ci.	Cu.	6	....	Cu. ESE
6..	SE	E	ESE	W	W	E	149.4	125	107.6	51.8	433.8	0	Ci.	Cu.	7	....	Cu. SSE
7..	SE	E	NE	W	W	SE	99.5	78.3	161.9	57.1	396.8	0	Ci.	Cu.	1	Ci.	Cu. ENE
8..	E	E	SW	W	NE	SE	116.4	86.6	143.4	80.2	426.6	0	Ci.	Cu.	8	....	Cu.-N.
9..	SE	E	ESE	WSW	W	SE	143.5	128.7	117.3	60.7	450.2	0	Ci.	Cu.	7	....	Cu.-N. ENE
10..	S	E	E	W	ESE	N	74.5	67.6	113.2	42.8	298.1	2	Ci.	Cu.	10	....	N.
11..	SE	E	W	WSW	W	E	77.9	58.7	112.7	46.7	296	10	....	Cu.-N.	10	....	Cu.-N. SW
12..	E	SE	SE	SE	W	NE	53.6	86.6	81	57.6	278.8	0	Ci.	Cu.	8	Ci.	Cu.-N.
13..	E	SE	NE	W	E	N	43.7	46.1	100	67.8	257.6	0	....	Cu.	10	....	N.
14..	SE	SE	WSW	W	NW	W	90.4	56.1	147.9	55.2	349.6	0	Ci.	Cu.	8	....	Cu.-N.
15..	NW	W	SW	W	W	NE	52.1	88.8	148.1	52.5	341.5	0	Ci.	Cu.	10	....	Cu.-N.
16..	S	SE	SW	W	NW	SW	37.6	67.9	148.3	45.6	299.4	0	Ci.	Cu.	8	....	Cu.-N. SW
17..	SE	SE	W	W	W	NE	53.6	60	192	68.2	373.8	0	Ci.	Cu.	7	Ci.	Cu.-N. WSW
18..	N	W	SE	SW	WSW	W	37.8	44.5	144.8	93.5	320.6	0	Ci.	Cu.	7	Ci.	Cu.-N. WSW
19..	SE	E	SSE	W	W	SW	71.6	82.7	68.2	104.4	326.9	7	....	Cu.	10	....	N.
20..	SW	W	SE	SSE	W	S	87.4	75.6	73.8	66.2	303	9	....	Cu.-N.	6	A.-Cu.	Cu.-N. SW
21..	E	E	W	W	NW	NE	57.1	61.4	128.5	82.3	329.3	5	Ci.	Cu.	10	....	Cu.-N.
22..	E	NW	SW	WNW	E	W	56.8	58.7	69.7	36.4	221.6	0	Ci.	Cu.	10	....	N.
23..	N	NW	WSW	NW	W	N	30.6	64.7	77.5	62.5	235.3	0	Ci.	Cu.	9	Ci.-S.	N.
24..	NW	NW	WSW	NW	NW	W	42.3	80.8	93.6	57.3	274	0	Ci.	Cu.	10	....	N.
25..	NW	NW	WSW	W	W	N	73.4	85.3	95.6	34.1	288.4	0	Ci.	Cu.	10	....	N.
26..	NW	SW	SW	WSW	NW	N	47	77.4	110.8	44.3	279.5	0	Ci.	Cu.	7	....	Cu. WNW
27..	W	NW	WSW	W	W	NW	47.5	66.6	64.6	28.5	207.2	4	Ci.	Cu.	9	....	Cu.-N. NW
28..	SW	SE	WSW	SW	SE	E	21.4	55.8	62.2	86.4	225.8	4	Ci. WNW	Cu.	10	....	N.
29..	E	E	ESE	SW	SE	SE	111	123.1	67	114.6	415.7	0	Ci.	Cu.	10	....	N.
30..	E	ESE	SE	SE	E	E	89.5	142.4	57.4	80.7	370	0	Ci.	Cu.	10	....	Cu.-N. E
31..	SE	E	SSE	SW	S	E	77.4	70.5	49.9	80	277.8	2	Ci.	Cu.	9	....	Cu.-N.
Mean	......	......	......	......	......	......	74.2	79.2	108.1	65	326.5	1.5	....	....	8.1	....	....
Total	......	......	......	......	......	......	......	......	......	......	10,122.8	....	....	....	....	....	....

BAGUIO

[φ=16° 25′ N; λ=120° 36′ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 600 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	37.17	37.28	38.23	36.51	36.44	37.42	37.18	17.5	17.6	23.4	23.4	19.5	17.8	19.9	25.3	16.7	94	87	67	80	93	95	86	10.9
2..	36.34	36.47	36.57	35.78	35.94	36.76	36.31	17.8	17.3	22.3	20.2	18.3	17.4	18.9	24.3	17	90	92	78	92	93	98	90.5	1.6
3..	36.09	36.01	36.35	34.75	35.66	36.48	35.89	17.3	17.8	20.1	20.7	17.8	17.6	18.6	24.4	16.7	97	90	88	91	95	90	91.8	19.2
4..	35.71	35.58	36.04	35.46	35.22	36.27	35.71	17.2	17.6	20.7	21.6	19.2	18.2	19.1	24.6	16.6	89	85	81	75	94	89	85.5	......
5..	36.14	36.39	37.07	36.16	36.21	37.29	36.54	17.5	18.2	24.1	22.4	19.4	18.3	20	25.1	16.9	93	86	68	83	96	97	87.2	11.9
6..	36.76	37.09	37.52	36.48	36.62	38.51	37.16	17.7	17.9	23.6	24	20.2	18.7	20.4	25.4	16.8	97	95	69	82	93	95	88.5	.5
7..	37.64	37.77	37.93	36.46	36.99	37.53	37.39	17.9	17.6	20.6	21.3	18.3	18.7	19.1	23.3	17.6	96	98	92	91	87	90	92.3	25.9
8..	36.58	36.82	37.51	35.90	35.67	36.53	36.50	17.6	17.7	21.9	20.4	18.4	17.9	19	22.9	16.4	95	96	84	94	91	93	92.2	3.1
9..	34.88	34.99	35.53	33.73	33.78	33.95	34.48	18.5	17.6	21.6	22.4	18.6	18.8	19.6	22.9	17	77	92	80	86	92	86	85.5	12.5
10..	33.02	32.69	32.86	32.14	31.71	32.32	32.46	18.3	18.8	21.5	22	18	16.6	19.2	23	16	90	85	73	69	97	100	85.7	15.3
11..	31.52	31.58	32.66	31.70	32.03	33.38	32.14	16.3	16.4	17.4	17.7	16.9	17.1	17	17.9	16	100	99	100	97	95	95	97.7	17.2
12..	32.62	33.08	34.11	33.51	33.33	35.11	33.63	16.8	16.6	18.4	20.6	17.9	17.3	17.9	20.9	16.4	96	97	90	76	94	98	91.8	5.4
13..	34.95	33.99	34.89	34.14	34.09	35.01	34.51	17.2	17.2	19.4	21.5	18.8	17.9	18.7	22.4	16.8	97	94	90	74	93	94	90.3	5.5
14..	34.39	33.86	34.99	34.46	34.27	35.39	34.56	17.4	17	20.6	19.5	18.6	17.9	18.5	21.3	16.8	95	96	85	94	94	98	93.7	4.6
15..	35.21	35.13	35.64	35.02	34.89	35.77	35.28	17.3	17.4	20.1	18.9	17.4	16.7	18	22	16.3	100	97	88	91	100	100	96	5.2
16..	35.40	35.62	36.52	36.12	35.37	36.53	35.93	16.7	17.5	18.1	17.4	17.1	16.4	17.2	19.7	16	100	98	99	96	89	93	95.8	9
17..	36.08	35.84	36.99	35.70	35.41	36.15	36.03	16.5	16.9	17.9	22.6	17.5	17	18.1	23.6	15.8	94	95	99	69	93	94	90.7	14
18..	35.49	35.53	36.31	35.54	35.28	35.74	35.65	16.8	16.8	22.1	17.4	17.2	16	17.7	22.8	15.8	94	95	84	98	98	100	94.8	29.7
19..	35.11	35.12	35.69	34.33	34.77	36.03	35.18	15.9	16.7	21.4	18.9	17.6	16.9	17.9	23.3	15.7	99	93	78	97	96	100	93.8	7.5
20..	34.91	35.07	35.66	34.84	34.95	35.87	35.22	16.1	16.8	21	19	16.9	16.7	17.8	22.2	16.1	100	94	83	98	95	96	94.3	49
21..	35.38	35.55	36.35	35.42	35.61	37.41	35.95	16.8	17	21	22.6	18.6	16.4	18.7	23	15.9	94	90	72	73	96	100	87.5	12.5
22..	36.72	36.67	36.83	36.40	36.50	37.12	36.71	16	16.9	21.7	20.2	17.9	16.8	18.2	23.2	15.8	92	86	81	92	97	93	90.2	5.1
23..	36.13	36.15	36.94	36.30	36.31	36.90	36.46	16.5	16.7	20	21.4	17.6	16.7	18.2	22.8	15.7	89	93	88	83	98	99	91.7	1.3
24..	36.38	35.97	36.78	35.91	35.70	36.53	36.21	16.5	16.5	20	21.5	17.8	17.2	18.2	23.7	15.8	95	93	81	80	94	95	89.7	4.1
25..	35.57	35.30	35.78	34.34	34.29	35.49	35.13	16.8	17.2	20.2	19.6	17.4	17.1	18	22.8	16.2	95	92	85	97	97	94	93.3	1.3
26..	34.11	33.72	34.18	32.89	32.89	34.17	33.66	17	16.6	19.6	19.9	17.6	17	18	23.1	16	93	97	89	90	98	99	94.3	5.4
27..	33.37	33.75	34.61	34.11	34.25	35.63	34.29	16.6	16.4	18.3	21.2	17.8	16.7	17.8	21.4	16.1	98	99	93	73	95	91	91.5	.5
28..	35.62	36.10	37.23	36.83	36.66	37.82	36.71	16.1	16.4	20.4	23.1	20.1	18.1	19	24	15.9	94	88	71	58	90	97	83	2.3
29..	37.69	37.85	38.03	36.56	36.54	37.33	37.33	17.5	16.9	20.9	21.4	17.9	17.3	18.6	24.9	16.7	94	97	85	85	91	95	91.2	8.4
30..	36.43	36.17	36.03	34.88	34.39	34.64	35.42	17.2	16.6	20.2	21.2	18.4	17.3	18.5	23.8	16.2	93	97	85	87	89	94	90.8	20.2
Mean	35.45	35.44	36.06	35.08	35.06	36.04	35.52	17	17.2	20.6	20.8	18.2	17.4	18.5	23	16.3	94.3	93.2	83.5	85	94.1	95.3	90.9	......
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	309.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	E	E	WSW	NE	E	87.4	75.3	100	92.8	355.5	0	Ci.	Cu.	4	Ci.	Cu. S
2..	E	E	S	W	W	NE	86.1	70.3	76.6	48.1	281.1	5	A.-Cu.	Cu.	10	....	N.
3..	S	SE	W	WSW	NE	W	36	51.3	92.2	43	222.5	0	Ci.	Cu.	10	....	N.
4..	W	SE	W	W	W	W	25.7	61.7	112.1	44.1	243.6	2	A.-Cu.	Cu.	9	A.-Cu.	Cu.-N.
5..	NE	SE	SW	WSW	W	NE	49.6	60	112.5	40.4	262.5	0	Ci.	Cu.	10	....	Cu.-N.
6..	SW	E	ESE	W	N	N	25.9	62.2	94.3	42.1	224.5	0	Ci.	Cu.	7	....	Cu.-N. S
7..	NE	E	WSW	W	E	E	35.4	57.1	86.4	67.8	246.7	5	....	Cu.	10	....	Cu.-N.
8..	NE	NE	SW	WNW	SE	E	47.7	65	85.9	66.2	264.8	0	....	Cu.	10	....	N.
9..	S	W	WSW	W	W	E	52.6	63.9	76.9	57.3	250.7	0	Ci.	Cu.	8	....	Cu.-N. NE
10..	E	NE	E	ESE	E	SE	48.6	146.4	140.8	303.6	639.4	0	Ci.-S.	Cu.	10	....	Cu.-N. ESE
11..	SE	ESE	SE	SE	ESE	SW	234.9	135.2	130.2	121.8	622.1	10	....	N.	10	....	N.
12..	S	ESE	SE	SE	SSW	SW	105.7	122.1	99.6	121.5	448.9	10	....	N.	9	A.-Cu.	Cu.-N. S
13..	SW	ESE	SE	SSE	SSW	E	134.7	144.6	95.8	105.9	481	0	Ci.	Cu.	5	Ci.	Cu.-N. SSE
14..	SE	E	SE	SE	S	S	117.5	104.1	84.2	77	382.8	4	Ci.	Cu.-N.	10	....	N.
15..	S	S	SE	SW	W	E	89.6	88	178.9	72.9	429.4	10	....	N.	10	....	N.
16..	SE	S	W	SW	SE	SW	58.5	111.8	160.6	82.3	413.2	10	....	N.	10	....	N.
17..	W	SE	WSW	WSW	W	SE	64.7	126.9	144.2	66.2	402	4	Ci.	Cu.-N. SSW	4	Ci.	Cu.-N. WSW
18..	SE	SW	W	WSW	SW	W	42	57.4	144.3	77.9	321.6	10	....	Cu.-N. WSW	10	....	N.
19..	NW	NE	SW	W	N	E	78.3	66	104.1	47.2	295.6	0	Ci.	Cu.	10	....	N.
20..	E	E	WSW	N	NW	NE	46.5	65.8	76.7	29.6	218.6	0	Ci.	Cu.	10	....	N.
21..	SE	SE	S	SE	W	SW	52.6	74	51.7	144.5	322.8	0	....	Cu.	7	....	Cu. SSE
22..	SW	NW	W	W	WSW	W	45.9	81.5	164.2	73	364.6	0	Ci.	Cu.	9	....	Cu.-N.
23..	W	W	W	W	W	W	67	109.7	147.6	90.6	414.9	0	Ci.	Cu.	10	....	Cu.-N. WSW
24..	W	S	W	W	W	SW	41.6	90.3	145.1	64.7	341.7	4	Ci.	Cu.	9	Ci.	Cu.-N. W
25..	E	SE	SW	SW	W	W	46.7	63.8	141.3	56.3	308.1	0	Ci.	Cu.	10	....	N.
26..	E	SE	WSW	SW	SE	SE	52	59.2	78.7	37.2	227.1	0	Ci.	Cu.	10	....	Cu.-N.
27..	E	SE	SE	SE	SE	SE	79.1	148.1	148.3	174	549.5	8	Ci.-S.	Cu.-N.	3	....	Cu.-N. SE
28..	SE	SE	SE	SSE	W	SE	176.2	133.1	58.9	33.6	401.8	4	Ci.	Cu.-N. SSE	2	Ci.	Cu. S
29..	S	N	SW	W	N	NE	34.4	63.4	121.8	55.3	274.9	8	....	Cu.-N.	10	....	N.
30..	NW	N	SW	WSW	S	SW	55.8	63.3	92.3	35.2	246.6	0	Ci.	Cu.	10	....	Cu.-N. WNW
Mean	......	......	......	......	......	......	70.6	87.4	111.5	79.1	348.6	3.1	....	....	8.5	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	10,458.5	....	....	....	....	....	....

BAGUIO

[φ=16° 25′ N; λ=120° 36′ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

JULY, 1919

Day.	Atmospheric pressure, 600 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	33.72	33.70	33.40	32.61	31.94	32.70	33.01	16.8	16.5	19.6	21	17.9	16.3	18	22.4	15.5	94	94	92	87	98	91	92.7	36
2..	32.08	31.41	31.52	31.89	32.55	33.37	32.14	16.5	16.1	15.9	14.9	13.9	14.5	15.3	16.4	13.5	92	100	99	100	99	97	97.8	187.8
3..	33.45	34.22	35.20	35.29	35.81	36.86	35.14	14.3	14.6	17.7	19.2	17	16.1	16.5	19.4	12.9	100	99	88	68	86	92	88.8	12.2
4..	37.03	36.88	37.47	37.33	37.69	38.56	37.49	16	15.7	20.2	18.9	16.9	16.9	17.4	22.3	14.9	93	90	67	80	83	75	81.3	17.5
5..	37.68	37.80	38.25	37.48	37.33	37.55	37.68	16.3	16.3	20.4	22.4	18.6	18.1	18.7	23.6	15.3	78	80	77	69	85	76	77.5	......
6..	37.38	37.35	37.49	36.88	37.01	38.10	37.37	17.8	17	21.5	18.9	16.2	15.6	17.8	23.4	14.7	70	78	71	93	96	89	82.8	24.2
7..	37.40	37.48	38.49	37.90	37.99	38.27	37.92	16.3	16	19	19.7	19	17.2	17.9	21.2	15.7	98	99	88	89	88	82	90.7	14
8..	37.46	37.89	38.78	38.23	37.96	38.48	38.13	16.7	16	22.2	22.5	18.4	18	19	23.5	15.5	85	93	63	84	94	91	85	......
9..	37.80	37.62	38.44	36.92	37.28	37.39	37.58	17.5	17	20.9	21.9	17.4	17	18.6	24.5	16.3	92	96	83	82	94	89	89.3	39.9
10..	36.30	36.21	37.40	36.41	36.25	37.03	36.60	16.7	17.2	21.2	20.4	18.9	17.5	18.6	22.8	15.9	86	79	78	87	82	70	80.3	......
11..	36.59	36.57	37.49	36.62	36.60	37.60	36.91	16.7	16.5	21	21.4	19.4	17.9	18.8	24.5	15.7	78	88	75	84	87	91	83.8	......
12..	37.35	37.40	38.08	37.45	37.40	37.91	37.60	17.6	16.7	21.1	24.9	19.8	18.2	19.7	25.2	16.6	91	93	83	76	90	90	87.2	2.9
13..	37.48	37.49	38.17	36.96	36.87	37.84	37.47	17.7	16.5	21.1	21	18.3	17.8	18.7	23.5	16	86	97	79	95	92	86	89.2	2.1
14..	37.22	37.18	37.68	36.65	36.24	37.19	37.03	17.5	17	22.1	22.4	17.4	18.4	19.1	24.6	15.9	88	92	78	82	81	77	83	24.6
15..	36.43	36.17	36.58	35.92	35.44	36.36	36.15	17.3	17.4	21	21.7	17.2	17.5	18.7	23.8	16.6	86	76	73	81	87	87	81.7	3.3
16..	35.86	35.98	36.70	35.60	35.68	36.43	36.04	17.5	17.3	19.5	23.4	19.1	18	19.1	24.3	16.8	89	93	87	74	87	81	85.2	......
17..	36.26	36.20	36.93	36.22	36.26	36.62	36.42	17.6	17.1	19.9	22.2	17.9	17.7	18.7	24.2	16.8	86	90	85	77	89	84	85.2	37.6
18..	36.10	36.21	36.64	35.89	35.61	36.61	36.18	16.9	16.6	19.6	19	17.6	17	17.8	23.3	16.4	91	87	89	89	97	94	91.2	19.3
19..	36.32	35.88	36.15	35.44	35.26	35.74	35.80	16.8	16.4	23	20.5	18.4	17.3	18.7	23.8	16.3	89	97	74	91	86	83	86.7	.5
20..	35.22	35.20	35.70	35.10	34.95	35.27	35.24	17.1	16.5	22.4	19	17.5	17.7	18.4	23.2	16.4	87	91	64	93	85	75	82.5	1.8
21..	34.79	34.81	35.47	34.54	34.71	35.68	35	17	16.6	23.4	22.1	18.8	17.9	19.3	24	16.2	83	85	67	88	95	94	85.3	1.6
22..	35.04	34.61	35.30	33.96	34.06	35.59	34.76	17.1	16.3	21.1	20.2	16.9	16.7	18	23.3	16.3	84	90	73	96	95	94	88.7	39.4
23..	34.43	34.25	35.04	33.88	33.85	34.70	34.36	16.3	16.5	18.9	21.5	17.4	16.9	17.9	23.3	16.1	93	93	75	85	98	93	89.5	4.6
24..	33.72	33.56	33.81	32.90	33.01	33.49	33.42	16.6	16.9	18.9	18.4	17.1	16.8	17.4	21.3	16.1	92	97	97	95	97	99	96.2	24.9
25..	33.24	33.30	34.27	33.73	33.74	34.70	33.83	16.5	16.6	18.1	18.2	17	16.7	17.2	20.2	16.3	98	98	97	96	99	100	98	18.6
26..	33.76	33.47	34.23	33.19	32.68	33.43	33.46	16.7	16.7	18.1	19.5	17.7	17.4	17.7	20.1	16.4	99	99	96	89	91	97	95.2	4
27..	32.66	32.15	32.45	31.19	31.56	31.97	32	17	16.9	19.9	20	17.3	17.2	18	22.8	16.6	98	99	90	89	99	96	95.2	25.4
28..	31.78	31.66	32.40	32.31	31.84	32.68	32.11	17	16.4	20.4	18.2	18	17.3	17.9	20.9	16.2	99	98	85	95	94	97	94.7	3.6
29..	31.87	31.89	32.31	31.94	31.57	32.25	31.97	16.9	17.1	17.6	17.5	17.4	17.2	17.3	19.3	16.4	96	98	93	99	99	100	97.5	50.3
30..	31.26	30.93	31.69	30.77	31.02	31.55	31.20	17.2	17.3	16.7	17.1	16.9	17.6	17.1	17.9	15.8	100	100	99	99	99	100	99.5	214.1
31..	30.75	31.04	31.05	30.45	30.49	31.77	30.92	17.8	16.9	17.2	17.1	17.6	17.4	17.3	17.8	16.4	99	99	100	99	99	96	98.7	27.7
Mean	35.11	35.05	35.63	34.89	34.86	35.60	35.19	16.9	16.6	20	20.2	17.7	17.2	18.1	22.3	15.9	90.3	92.5	82.7	87.5	92	89.2	89	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	837.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	W	N	W	W	W	NW	49.3	58.9	105.7	143.2	357.1	10	....	Cu.-N.	10	....	Cu.-N.
2..	W	W	SW	WSW	WSW	SW	224.5	320.7	296.7	329.6	1,171.5	10	....	N.	10	....	N.
3..	W	SW	SW	SW	S	SW	231.4	152.9	104	147.5	635.8	10	....	N.	10	....	Cu.-N. SW
4..	SW	SE	SW	SW	S	SW	128.2	98.7	139.2	60	426.1	7	Ci.	Cu.-N.	9	A.-Cu.	Cu.-N. SSW
5..	SE	SW	E	SW	E	E	33	75.4	91.7	59.2	259.3	7	A.-Cu.	Cu.	7	Ci.	Cu.-N. SSE
6..	W	NE	SW	W	NNE	NE	43	62.2	103.8	75.6	284.6	0	Ci.	Cu.	10	....	N.
7..	N	E	WSW	WSW	S	SE	55	40	59.5	78.1	232.6	8	....	Cu.-N.	8	Ci.	Cu.-N. WSW
8..	E	E	SSE	WSW	W	SE	76.4	54.7	91.4	46.7	269.2	0	Ci.	Cu.	9	....	Cu.-N.
9..	SE	N	WNW	W	NE	N	29.8	73.4	122.8	66.2	292.2	0	....	Cu.	10	....	Cu.-N. WSW
10..	NE	SE	SW	W	NW	W	52.8	65.7	95.5	33.8	247.8	0	Ci.	Cu.	9	....	Cu.-N.
11..	N	W	SW	W	N	SE	27.4	65.8	122.8	45.3	261.3	0	....	Cu.	9	....	Cu.-N.
12..	SE	SE	NW	W	NE	E	58.5	61.5	90.1	43	253.1	0	Ci.	Cu.	9	....	Cu.-N. W
13..	E	N	WSW	W	NE	E	47.2	59.2	106.4	48.8	261.6	0	Ci.	Cu.	10	....	N.
14..	W	N	W	W	NE	SE	55	68.6	118.6	81.9	324.1	0	Ci.	Cu.	9	....	Cu.-N.
15..	NW	NW	WSW	SW	NE	E	56.6	67.6	124.7	81.8	330.7	0	Ci.	Cu.	8	....	Cu.-N. W
16..	SE	SE	SW	W	NE	SE	38.1	54.5	116.9	83.2	292.7	0	Ci.	Cu.	4	....	Cu.-N. WNW
17..	SE	E	WSW	W	NE	S	81.3	64.7	110.7	47.2	303.9	4	Ci.	Cu.	9	....	N. WNW
18..	SE	E	SW	SW	NE	SW	94.3	74.6	98.8	61.4	329.1	4	Ci.	Cu.	10	....	N.
19..	SW	E	W	W	NW	E	31.2	51.7	92	53.6	228.5	5	....	Cu.-N.	10	....	N.
20..	E	NE	NW	E	ESE	E	73.8	49.6	67.9	145	336.3	1	Ci.	Cu.	10	....	N.
21..	E	SW	E	SW	E	E	45.7	37.8	66.3	73.8	223.6	2	Ci.	Cu.	10	....	Cu.-N.
22..	S	NE	E	W	NE	SE	81.1	54.5	94.6	82.1	312.3	4	Ci. E	Cu.	10	....	Cu.-N.
23..	E	SE	E	SW	S	E	172	192.9	62	76.1	503	6	Ci.-S.	Cu.-N.	9	A.-Cu. E	Cu.-N. SE
24..	E	N	WSW	W	S	E	39.2	42.4	71.1	157.4	310.1	10	Ci.-S.	Cu.-N. SE	10	....	N.
25..	E	SE	SE	SE	SE	E	201.1	118.8	85.6	139.2	544.7	10	....	N.	10	....	N.
26..	F	ESE	SE	E	ESE	E	192.8	133.1	114.5	168	608.4	10	....	N.	10	Ci.-S.	Cu.-N.
27..	E	E	E	ESE	W	SE	109.6	81.1	60.6	81.3	332.6	7	....	Cu.-N.	10	....	N.
28..	W	S	E	SW	E	W	35.1	40.7	116.1	34.3	226.2	10	Ci.-S.	Cu.-N.	10	....	Cu.-N.
29..	SE	SW	W	W	W	W	42.6	117.3	202.7	212.2	574.8	10	....	Cu.-N.	10	....	N.
30..	W	SW	WSW	WNW	WSW	SW	275.8	363	383.4	397.3	1,419.5	10	....	N.	10	....	N.
31..	W	SW	SW	SW	SW	SW	402.6	419	404.8	359.5	1,585.9	10	....	Cu.-N.	10	....	N.
Mean	......	......	......	......	......	......	99.5	103.9	126.5	113.3	443.2	5	....	....	9.3	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	13,738.6	....	....	....	....	....	....

BAGUIO

[ϕ=16° 25′ N; λ=120° 36′ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 600 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	31.42	31.47	32.42	32.19	32.28	33.34	32.19	17.6	17.7	17.4	17.9	18	17.7	17.7	18.1	16.4	99	99	99	99	100	100	99.3	46.4
2..	32.73	32.94	33.91	33.27	33.14	34.56	33.42	17.8	17.7	18.1	18.3	17.9	17.7	17.9	18.5	16.9	100	99	99	99	99	98	99	35.8
3..	33.61	33.73	34.24	33.36	33.17	34.63	33.79	16.8	16.7	18.9	19.5	18.1	18	18	20.5	16.4	100	99	98	97	99	100	98.8	37.2
4..	33.07	33.23	33.88	32.79	32.96	34.24	33.36	16	16.5	19.9	18.7	16.3	16.2	17.3	21.4	15.6	100	97	93	98	99	98	97.5	39.1
5..	33.32	33.55	34.16	33.04	32.79	33.22	33.35	16.1	16.4	17.1	18.8	17.2	16.7	17	19.5	15.6	97	99	99	92	96	95	96.3	34.6
6..	32.34	31.87	32.61	31.29	30.78	31.03	31.65	16.7	16.3	14.9	16.5	16.7	16.3	16.2	16.9	14.3	100	100	99	99	99	95	98.7	292.9
7..	29.85	28.97	29.46	29.76	28.80	30.84	29.61	16.8	17.2	17	14.7	16.6	15.8	16.4	17.7	14.4	100	99	99	100	100	89	97.8	246.6
8..	29.59	29.41	30.42	29.40	29.63	31.02	29.91	16.8	17.6	18.1	18.4	17.9	18	17.8	18.4	15.3	96	98	100	99	99	98	98.3	263.3
9..	30.13	30.42	31.48	30.85	31.27	32.48	31.10	17.7	17.9	18.1	18	17.5	17.2	17.7	18.2	16.6	99	100	99	99	100	100	99.5	316.2
10..	31.83	31.89	32.83	31.79	31.49	32.06	31.98	17.2	17.4	16.9	17.4	16.8	16.9	17.1	17.9	15.8	100	99	99	99	99	98	99	213
11..	31.32	31.14	31.63	30.32	30.24	31.72	31.06	17.1	17	17.2	17.5	17	16.7	17.1	18.1	16.4	100	100	100	99	100	100	99.8	237.9
12..	31.04	30.80	31.58	31.04	31.08	31.66	31.20	16.8	16.5	16.5	16.7	16.8	17.4	16.8	17.6	16.3	94	99	100	99	99	100	98.5	185.1
13..	30.65	31.38	32.98	32.43	32.83	33.62	32.32	16.9	17	16.3	17.4	16.9	17.3	17	17.6	15	97	99	100	98	99	98	98.5	58.1
14..	33.31	33.40	34.24	33.81	33.79	34.84	33.90	17.3	17.7	19.1	17.2	17.1	17.1	17.6	19.3	16.5	97	97	99	99	98	95	97.5	20.3
15..	34	33.90	34.49	33.52	33.82	34.94	34.11	16.8	16.2	16.4	16.2	16	16.2	16.3	16.9	15.7	98	99	99	99	100	100	99.2	89.7
16..	34.65	34.97	35.86	35.58	36.17	37.27	35.75	16	15.6	17.4	17.2	16.5	16.3	16.5	18.2	15.2	100	99	96	99	99	98	98.5	37.7
17..	36.31	36.32	36.76	36.40	36.39	36.92	36.52	16.8	16.9	18	20	17	17	17.6	20.8	15.9	98	99	98	84	98	99	96	4.9
18..	36.33	35.94	36.23	35.38	35.55	36.60	36	16.5	16.5	19.5	17.3	16.9	16.7	17.2	20.8	16.1	97	99	82	99	97	93	94.5	37.8
19..	35.60	35.69	36.13	35.50	35.44	35.83	35.70	16.6	16.3	19.9	17.5	17	16.7	17.3	21.9	15.7	93	95	91	98	98	90	94.2	52.7
20..	34.07	33	31.76	27.34	22.29	23.68	28.69	16.9	15.9	16.4	17.3	17.6	18	17	18.5	15.6	86	95	99	99	99	98	96	369.6
21..	28.31	30.79	33.05	33.13	33.91	35.84	32.50	16.1	16.1	17.2	17	16.9	16.6	16.6	17.6	15.4	94	97	96	98	97	97	96.5	18.3
22..	35.59	35.49	36.38	35.67	35.93	36.87	35.99	16.5	16.4	18.4	19.9	18.1	16.8	17.7	21.4	16.1	98	94	89	88	86	93	91.3	.8
23..	36.03	35.98	36.85	35.64	35.15	35.78	35.90	16.8	16.3	17.6	19.8	17	16.8	17.4	21.8	15.6	98	99	98	90	99	98	97	57.9
24..	34.72	34.10	34.67	33.25	32.79	33.43	33.83	16.5	16.4	17.1	16.4	16.4	16.7	16.6	17.4	15.4	99	99	100	100	99	99	99.3	337.9
25..	32.18	31.54	32.25	31.52	31.60	33.35	32.07	16.8	16.3	17	17.5	17.2	16.2	16.8	17.7	15.8	100	100	99	100	99	100	99.7	120.8
26..	32.95	33.55	35.02	34.40	34.44	35.78	34.36	16.7	14.9	15.9	17.5	17.4	16.7	16.5	20.5	14.7	98	99	99	96	97	93	97	59.8
27..	35.36	35.20	35.88	35.04	35.24	35.98	35.45	16.3	15.5	17.2	16.9	15.9	15.5	16.2	18.1	15.1	97	99	97	99	99	99	98.3	21.6
28..	35.02	34.55	36.05	35.24	35.09	36.06	35.34	15.9	15.8	18.8	18.1	17.4	16.7	17.1	21.3	15.2	92	87	77	97	98	97	91.3	3.6
29..	34.93	34.83	35.05	34.14	33.79	34.55	34.55	16.6	16.7	17.7	17.9	16.9	16.4	17	18.8	15.7	97	99	96	99	99	98	98	12.4
30..	33.81	32.95	33.35	32.36	31.99	32.90	32.89	16.1	16.5	17.6	18.2	17.1	16.2	17	19.1	15.6	98	99	98	94	99	97	97.5	144
31..	32.05	32.21	33.24	32.34	32.12	33.18	32.52	16	15.9	15.6	16.4	15.1	15.4	15.7	17	14.9	99	99	100	99	99	100	99.3	66.1
Mean	33.10	33.07	33.83	32.96	32.77	33.81	33.26	16.7	16.6	17.5	17.7	17	16.8	17	19	15.7	97.5	98.1	96.7	97.2	98.3	97.2	97.5	....
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	3,462.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SW	SW	SW	SW	W	SW	260.2	311.2	351.6	270.5	1,193.5	10	....	N.	10	....	N.
2..	SW	WSW	WSW	SW	W	W	193.9	244.4	231.7	85.6	755.6	10	....	N.	10	....	Cu.-N.
3..	W	E	WSW	SW	WSW	W	30.6	40.4	167.9	90.4	329.3	5	Ci.-S.	Cu.-N.	10	....	N.
4..	NW	NW	WSW	W	W	W	69.8	57.1	131.4	86.4	344.7	9	Ci.-S.	Cu.-N.	10	....	N.
5..	W	W	WSW	WSW	SSW	W	99.6	119.1	101.7	72.2	392.6	10	....	N.	10	....	N.
6..	W	W	SW	W	W	W	205.2	308	303.6	415.6	1,232.4	10	....	N.	10	....	N.
7..	W	W	WSW	W	WSW	SW	506.8	526.4	465.2	530.9	2,029.3	10	....	N.	10	....	N.
8..	W	W	WSW	WSW	W	W	489.6	441.1	427.1	382.7	1,740.5	10	....	N.	10	....	N.
9..	SW	W	SW	SW	SW	W	353.6	335.5	330.5	235.2	1,254.8	10	....	N.	10	....	N.
10..	SW	WSW	W	SW	SW	SW	337.1	328.7	316.8	301	1,283.6	10	....	N.	10	....	N.
11..	SW	SW	SW	SW	WSW	NW	292.9	314.4	340	192.7	1,140	10	....	N.	10	....	N.
12..	W	W	W	SW	SW	W	174.9	274.2	208	188.4	845.5	10	....	N.	10	....	N.
13..	W	W	SW	W	WSW	W	217.8	195.6	199.3	140.8	753.5	10	....	N.	10	....	N.
14..	W	W	SW	SW	S	S	70.8	79.2	123.9	99.5	373.4	10	....	Cu.-N.	10	....	N.
15..	SW	WSW	SW	WSW	W	SW	149.5	241.5	309.3	288.1	988.4	10	....	N.	10	....	N.
16..	W	SW	SW	SW	W	W	201.2	155.6	246.3	168.5	771.6	10	....	N.	10	....	N.
17..	W	W	SW	SW	WSW	SW	163.7	137	144.3	85.6	530.6	10	....	N.	9	....	Cu.-N. W
18..	NE	SE	SE	SW	E	SE	57.3	51.5	56.5	48.8	214.1	10	....	Cu.-N.	10	....	N.
19..	SE	SE	SW	NW	NW	NW	47.8	57.1	112.5	76.4	293.8	2	Ci. SW	Cu.	10	....	N.
20..	NE	NW	NW	WNW	NW	SW	97.2	176.5	311	456.7	1,041.4	10	....	N. NE	10	....	N.
21..	SW	S	S	S	S	SE	260.2	195.6	136	95.6	687.4	10	....	N.	10	....	N.
22..	SE	SE	SE	SE	SW	E	106.8	80.7	74.3	52.5	314.3	9	Ci.-S.	Cu.-N. SW	8	....	Cu. SW
23..	W	W	SW	NW	W	W	41.5	48.6	140	185.1	415.2	10	....	N.	10	....	N.
24..	W	W	W	W	W	W	172.3	213	285.5	315.3	986.1	10	....	N.	10	....	N.
25..	W	W	W	SW	SW	SW	299.7	293.3	207.9	177.4	978.3	10	....	N.	10	....	N.
26..	SW	SW	W	W	E	SE	251.7	147.6	69.5	60.6	529.4	10	....	N.	10	....	N.
27..	SE	E	S	S	SW	SE	52.5	52.1	55.5	68.6	228.7	10	....	Cu.-N.	10	....	N.
28..	S	SE	NW	W	W	E	85	56.1	105.2	44	290.3	9	Ci.-S.	Cu.-N.	10	....	N.
29..	W	SW	NW	W	W	N	85.8	94.4	118.3	90.9	389.4	10	....	N.	10	....	Cu.-N.
30..	W	NW	NW	NW	WSW	NW	135.7	135.4	193.7	206.7	671.5	10	....	N.	10	....	Cu.-N. NW
31..	NW	WNW	W	WNW	WNW	W	200.6	226.4	194.8	184.6	806.4	10	....	N.	10	....	Cu.-N. WNW
Mean	......	......	......	......	......	......	184.2	191.5	208.4	183.8	767.9	9.5	....	....	9.9	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	23,805.6	....	....	....	....	....	....

BAGUIO

[ϕ=16° 25′ N; λ=120° 36′ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 600 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	32.78	32.44	33.52	32.73	33.07	34.07	33.10	15.5	15.7	17.4	17.8	16.9	16.8	16.7	19.7	15	100	99	99	98	99	100	99.2	34.3
2..	33.67	34.22	35.63	35.13	35.91	37.10	35.28	15.9	15.4	17.9	18	16.6	16.3	16.7	19.2	15.3	100	99	99	98	98	96	98.3	23.6
3..	36.73	36.42	37.81	37.26	37.82	38.80	37.47	16.3	16.5	18.9	21.7	17.5	17.1	18	22.2	15.8	92	80	88	83	97	86	87.7	......
4..	37.64	37.47	38.42	37.54	37.33	38.61	37.84	16.8	16.9	21.3	19.8	17.6	17.2	18.3	23.3	16.2	86	89	78	92	92	84	86.8	1.1
5..	37.98	37.21	38.05	36.72	36.55	37.55	37.34	16.3	16.7	20.8	21.7	18.1	16.8	18.4	22.8	15.8	87	75	82	87	93	91	85.8	......
6..	36.66	36.46	37.05	35.84	35.74	36.57	36.39	16.1	15.6	21	20.5	16.2	16.6	17.7	22.5	15.3	89	75	81	90	99	98	88.7	19.5
7..	35.19	34.82	36.08	34.66	35.30	35.97	35.34	16.3	16.6	19	18.7	17.1	16.7	17.4	21.3	15.6	96	94	95	95	98	85	93.8	39.1
8..	35.10	34.92	35.90	34.96	35.18	36.14	35.37	16	16.5	20.6	21	18.3	17.6	18.3	23	15.1	87	89	84	89	90	86	87.5	6.6
9..	35.52	35.58	36.74	35.47	35.70	36.30	35.88	16.6	16.5	9.4	21.1	17.6	16.5	18	22.6	15.4	92	93	89	86	98	92	91.7	1.1
10..	35.48	35.37	36.23	34.72	34.72	35.57	35.35	16.9	16.6	20.7	21.9	18.7	17.8	18.8	22.9	16	92	88	84	86	96	94	90	.5
11..	34.64	34.29	34.94	33.86	33.49	34.06	34.21	16.8	16.5	19.9	22.2	17.6	17.1	18.4	22.9	15.9	94	98	90	81	97	96	92.7	20.3
12..	33.54	33.56	33.64	32.74	32.73	33.54	33.29	16.5	15.9	19.2	20.9	16.6	16.5	17.6	22.3	14.8	95	97	88	81	89	95	90.8	4.1
13..	32.71	32.84	33.61	32.80	33.05	34.17	33.20	16.1	15.6	20.2	20.8	17.1	16.6	17.7	21.3	15.1	85	87	83	83	97	96	88.5	......
14..	34	33.97	34.84	33.90	34.13	35.24	34.35	16.4	16.1	19.4	20.9	17.6	17.1	17.9	23.5	15.4	95	98	89	80	98	100	93.3	36.9
15..	34.63	34.59	35.40	34.37	34.83	35.61	34.90	16.7	16.4	21	19	17.6	17.2	18	21.8	16.3	99	99	77	94	97	95	93.5	26.4
16..	35.32	35.44	36.39	35.08	35.96	36.88	35.84	16.8	16.7	21.8	18.8	17.9	17.1	18.2	22.6	16.3	93	94	78	95	99	97	92.7	49.3
17..	36.59	36.34	37.51	36.66	37.10	37.95	37.02	16.3	15.6	21.9	21.1	18.1	17.3	18.4	23.1	15.5	99	93	70	87	95	92	89.3	4.8
18..	37.09	37.69	38.51	37.36	37.50	38.25	37.73	16.5	15.9	21.1	18.3	17.6	16.8	17.7	22.7	15.7	93	95	75	95	93	97	91.3	16.1
19..	37.49	37.43	38.08	36.77	36.92	37.94	37.44	16.1	15.3	22.4	19.6	18.6	17.3	18.2	22.5	15.1	97	95	70	89	85	85	86.8	......
20..	36.80	36.81	37.49	36.34	36.71	37.65	36.97	16.3	16.1	20.2	18.2	17.1	16.6	17.4	22.3	15.4	92	96	88	96	98	93	93.8	8.2
21..	36.87	36.52	37.63	36.22	36.67	37.73	36.94	15.9	15.8	20.1	19.8	17.1	16.7	17.6	22.8	15.5	96	98	80	90	99	99	93.7	62.1
22..	37.20	36.86	37.93	36.59	36.55	37.46	37.10	16.1	16.1	21.1	21.1	18.5	17.1	18.3	23.4	15.7	96	97	74	88	97	88	90	......
23..	36.57	36.53	37.77	36.59	36.75	37.71	36.99	16.3	15.4	21.5	20.7	17.1	17	18	23.4	15.2	93	86	82	88	92	94	89.2	.8
24..	36.69	36.65	37.64	36.93	37.08	37.90	37.15	16.1	15.4	20.4	22.1	17.6	16.6	18	23.5	15.1	88	93	81	80	92	95	88.2	......
25..	36.90	37.11	38.36	37.41	37.44	38.13	37.56	15.6	15.2	22.3	23.3	19.2	17.8	18.9	24.5	14.7	82	81	52	79	88	86	78	......
26..	37.76	37.75	38.66	36.96	36.95	37.95	37.67	16.7	16.9	22.4	20.1	17.5	17.2	18.5	24.3	15.6	81	80	71	91	93	95	85.2	6.1
27..	37.46	37.47	38.07	36.84	36.78	37.79	37.40	16.7	16.3	21.1	19.8	17.4	16.7	18	22.5	16.1	91	92	88	92	94	100	92.8	26.9
28..	37.19	37.05	37.62	36.55	36.58	37.56	37.09	16.1	15.2	21.6	20	17.9	17.3	18	22.7	15.2	99	98	84	90	94	89	92.3	1
29..	37.04	37.12	37.79	36.41	36.61	37.67	37.11	16.8	16.2	21.2	20.7	18.4	17.7	18.5	23.5	15.9	89	94	83	87	94	94	90.2	......
30..	36.82	37.08	37.71	36.29	36.30	36.71	36.82	17	16.3	20	22.1	18.5	17.4	18.6	24	16	96	98	88	81	97	90	91.7	3.6
Mean	36	35.93	36.83	35.72	35.92	36.82	36.20	16.4	16.1	20.5	20.4	17.7	17	18	22.6	15.5	92.5	91.7	82.3	88.4	94.9	92.4	90.4	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	392.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	W	W	SW	SW	SW	SW	216	192.2	208.7	209.9	826.8	10	....	Cu.-N.	10	....	N.
2..	SW	SE	W	SW	WSW	SE	137.4	106.7	150.5	58.4	453	9	Ci.-S.	N. WSW	10	....	N.
3..	E	Calm	WSW	WSW	W	W	37.2	49.7	106.4	36	229.3	3	Ci.-S.	Cu.	8	....	Cu.-N. SW
4..	E	Calm	SW	NW	NE	SW	36.2	62.8	108.4	81.9	289.3	3	Ci. SE	Cu.	10	....	N.
5..	W	NE	SW	W	NNE	NE	62.3	59.5	109.6	89.8	321.2	0	Ci.	Cu.	9	....	Cu.-N.
6..	NE	E	W	W	SW	NE	48.1	71.1	117	97.7	333.9	0	Ci. SE	Cu.	10	....	Cu.-N.
7..	N	E	W	W	SW	W	52.8	62.5	90.9	74	280.2	0	Ci. NE	Cu.	10	....	N.
8..	NE	E	W	W	W	SE	51.5	56.1	100.9	60.9	269.4	1	Ci. SE	Cu.	10	....	Cu.-N. WSW
9..	E	SE	SW	W	W	NE	64.7	59.7	93.9	[a]29.3	247.6	1	Ci. SE	Cu.	10	....	Cu.-N.
10..	SE	W	SW	W	NW	SW	.....	[a]47	83.7	15.9	[b]146.6	4	Ci. E	Cu.	9	....	Cu.-N.
11..	NE	NW	SW	W	W	E	37.6	72.4	92.8	31.6	234.4	7	Ci.	Cu.-N. N	10	....	Cu.-N. SW
12..	W	W	WSW	WSW	W	E	36.7	52.9	107	60.2	256.8	6	Ci.-S.	Cu.	9	....	Cu.-N. NNW
13..	W	W	SW	WSW	WSW	W	55	59.3	104.9	30.4	249.6	4	Ci.-S. E	Cu.	8	Ci.-S.	Cu.-N. NW
14..	E	SE	WSW	W	W	E	30.6	52.1	73.4	24.9	181	5	Ci.-S.	Cu.-N.	9	A.-Cu.	Cu.-N. SW
15..	E	E	ESE	WSW	E	E	48.9	75.4	43.8	46.7	214.8	7	Ci.-S.	Cu.-N.	10	....	N.
16..	SE	SE	ESE	SE	E	SE	103.3	81.9	43	44.3	272.5	8	A.-Cu. S	S.-Cu.	10	....	N.
17..	E	E	SE	WSW	N	E	101.2	92.8	46.5	72.1	312.6	4	Ci. SE	S.-Cu.	8	....	Cu.-N. E
18..	E	E	SE	NW	SE	E	93.6	51.7	60	58.2	263.5	0	Ci. W	Cu.	10	....	N.
19..	E	E	NE	SW	SE	E	111.5	71.1	50.4	48.1	281.1	1	Ci. E	S.-Cu.	10	....	Cu.-N.
20..	E	SE	WSW	WSW	WNW	NW	59.3	68.6	101.1	48.9	277.9	1	Ci.	S.-Cu.	10	....	N.
21..	NE	E	SE	W	WSW	SE	68.2	73.2	130.7	51	323.1	5	Ci.	Cu.-N.	10	....	Cu.-N.
22..	NE	E	SE	W	NW	E	56.5	97.6	87.5	53.6	295.2	0	Ci.	Cu.-N.	9	....	Cu.-N. NW
23..	SE	E	SW	SW	W	SE	90.6	74.6	104	44.9	314.1	7	....	Cu.-N. ESE	8	....	Cu.-N.
24..	E	E	SW	WSW	SW	SE	56	71	102.8	76.1	305.9	0	Ci.	Cu.	8	....	Cu.-N. W
25..	E	E	ESE	WSW	SSE	E	99	93.6	74	81.6	348.2	0	Ci. NW	S.-Cu.	7	....	Cu. SSE
26..	E	E	SW	WSW	NW	W	111.2	56.5	80	39.4	287.1	0	Ci.	Cu.-N.	10	....	N.
27..	SE	W	WSW	W	W	NE	37.2	67.1	101.9	33.8	240	0	Ci.	S.-Cu.	10	....	N.
28..	E	N	WSW	W	W	SE	45.9	77.5	104	36.5	263.9	0	Ci.	Cu.	10	....	Cu.-N.
29..	E	E	W	W	N	SE	38	63	93.8	59	253.8	0	Ci.	Cu.	10	....	Cu.-N.
30..	SE	E	SW	W	N	SE	65.7	66.2	90.7	53.6	276.2	2	....	Cu.	9	....	Cu.-N. WSW
Mean	......	......	......	......	......	......	70.8	72.9	95.4	58.3	295	2.9	....	....	9.4	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	[c]8,849	....	....	....	....	....	....

[a] 3 hours missing.
[b] 9 hours missing.
[c] 12 hours missing.

BAGUIO

[ϕ=16° 25′ N; λ=120° 36′ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 600 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	36.42	36.43	37.19	36.11	36.30	37.10	36.59	16.2	15.6	21.3	20.1	18	17.7	18.2	22.6	15.2	86	92	73	90	96	89	87.7	0.2
2..	36.30	35.85	36.47	35.12	35.11	36.10	35.82	16.9	16.3	20.4	21.5	18.1	17.4	18.4	24.1	15.7	96	92	81	81	97	87	89	....
3..	35.75	35.62	36.64	35.10	34.97	36.15	35.70	16.9	16.4	20.9	21	18.4	17.4	18.5	23.2	16	94	96	79	83	94	94	90	....
4..	35.70	35.73	36.56	35.22	35.23	36.35	35.80	17	16.4	22.1	21.6	18.9	18.2	19	23.5	16.2	99	97	79	87	92	93	91.2	....
5..	35.60	35.68	36.58	34.83	35.24	36.25	35.70	17.7	17.4	21.6	23.5	19.2	18.7	19.7	24.1	16.7	96	96	84	80	96	95	91.2	1.3
6..	35.80	36.15	36.81	35.41	35.98	37.15	36.22	18.1	17.9	20.7	21.4	18	17	18.8	22.8	16.5	97	98	91	90	98	86	93.3	19.3
7..	36.30	36.55	37.78	36.06	36.43	37.25	36.73	16.4	16.9	23.3	17.8	17.6	17.2	18.2	23.5	15.9	88	80	70	98	96	88	86.7	10.4
8..	36.35	35.98	36.94	35.02	34.79	35.65	35.79	16.8	16.8	18	20	18.3	17	17.8	20.5	16	89	92	83	89	85	88	87.7	1.3
9..	34.90	34.71	35.37	33.93	33.88	34.50	34.55	16.6	17	19.9	18.7	17.5	17.1	17.8	21.5	16.1	89	90	91	95	95	93	92.2	13
10..	34.30	34.38	35.03	33.84	34.33	35.30	34.53	17	16.7	21.6	21	17.7	17.3	18.6	22.6	16.4	94	93	71	82	97	96	88.8	8.6
11..	34.45	35.02	36.27	35.59	36.17	37.15	35.78	16.5	16.2	17.9	21	17.5	17	17.7	21.1	15.9	96	99	92	80	91	96	92.3	1
12..	36.70	37.11	38.35	37.19	37.86	39.20	37.74	16.6	16.4	17.6	21.9	19	17.7	18.2	22.6	16	96	99	94	63	97	93	90.3	3.4
13..	38 20	38.18	39.04	37.73	37.63	38.85	38.27	16.9	16.7	20.7	20.9	18.6	17.8	18.6	22.7	15.9	91	89	84	87	97	86	89	1.5
14..	36.85	37.06	37.63	36.05	35.80	36.75	36.69	16.8	16.2	21	21.2	19	17.3	18.6	23.1	16	87	90	83	87	93	80	86.7	....
15..	35.65	35.02	36.10	34.49	34.59	35.20	35.18	17.1	16.3	21.2	19.6	19.1	18.3	18.6	21.7	15.5	75	83	74	76	71	77	76	....
16..	34.45	34.89	36	34.31	35.18	36.30	35.19	18	18	22.8	22.4	19.1	18	19.7	23.8	17.4	81	85	75	68	83	85	79.5	.1
17..	35.60	35.92	37.04	35.19	35.79	36.95	36.08	17.5	17.1	19.7	19.4	17.9	17.2	18.1	21.6	16.5	87	95	89	96	98	95	93.3	4.9
18..	35.50	35.72	36.84	35.04	35.69	36.65	35.91	16.8	15.9	19	21.2	18.4	17.2	18.1	22.8	15.2	96	98	95	85	99	93	94.3	.8
19..	35.80	36.05	36.76	35.17	35.53	37.40	36.12	16.7	16.9	19.4	20.4	18	17.2	18.1	22.6	16.2	94	94	96	91	96	96	94.5	6.2
20..	36.35	36.45	37.64	35.93	36.47	37.55	36.73	17.1	16.5	19.3	20.6	17.7	16.3	17.9	22	15.8	92	98	88	86	96	93	92.2	8.1
21..	36.70	37.13	38.04	36.68	37.33	38.45	37.39	15.8	15.5	21.4	19.3	17	16.5	17.6	23.3	15.1	92	95	79	93	96	96	91.8	16
22..	37.70	37.73	38.24	37.02	37.26	38.35	37.72	15.8	15.4	20.9	19.6	17.9	17.3	17.8	21.9	15.1	96	97	79	92	98	95	92.8	1.1
23..	37.55	37.53	38.62	37.50	37.63	38.60	37.90	17	16.6	21.1	18.8	17.5	16.8	18	21.3	15.7	94	92	84	96	95	92	92.2	1.3
24..	37.50	37.39	38.35	36.81	36.94	38	37.50	16.6	16.4	22.4	20.8	18.6	17.3	18.7	23.3	15.7	87	85	65	86	92	93	84.7	1.6
25..	37.30	37.55	38.41	36.61	36.97	37.75	37.43	16.5	16.5	21.3	17.9	17	16.6	17.6	21.8	15.7	94	93	84	96	97	91	92.5	38.4
26..	37.40	37.62	38.42	36.77	37.27	38.10	37.60	15.9	16.2	20.7	20.2	17.9	16.7	17.9	22.6	15.4	92	89	86	80	97	90	89	10.7
27..	37.35	37.94	39.12	37.51	37.84	38.60	38.06	16.4	16.6	22.5	17.3	17.4	17.1	17.9	22.5	15.4	85	84	79	87	95	97	87.8	30
28..	37.60	37.49	38.40	36.99	37.27	38.30	37.66	16.9	16.4	22	19.6	17.4	17	18.2	23	15.7	89	88	68	94	93	94	87.7	16.8
29..	37	37.40	38.45	36.96	37.18	38.20	37.53	16.5	16.6	21.9	22.5	18.8	17.5	19	24.1	15.9	89	85	69	62	86	79	78.3	....
30..	37.45	37.67	38.33	36.86	37.07	37.97	37.56	16.8	16.9	23.5	22	19.3	17.7	19.4	24.3	15.8	79	83	56	83	93	77	78.5	....
31..	37.07	37.22	38.71	36.47	36.96	37.80	37.37	17.1	17.3	22.9	23.4	19.1	17.7	19.6	24.3	15.6	74	80	63	55	78	84	72.3	....
Mean	36.37	36.49	37.42	35.92	36.22	37.22	36.61	16.8	16.6	20.9	20.5	18.2	17.3	18.4	22.7	15.9	90.1	91.2	80.1	84.5	93.1	90	88.2	....
Total	....	....	....	....	....	....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	196

Day.	Wind.											Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.			
												Amount.	Form and direction.		Amount.	Form and direction.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.	
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*			
1..	E	N	SW	W	W	SE	71.1	58.2	101.4	28.5	259.2	1	Ci.	Cu.	9	....	Cu.-N.	
2..	E	N	SW	W	WSW	NE	53.2	75.6	111.3	39.4	279.5	2	Ci.	Cu.	9	....	Cu.-N. NW	
3..	W	NW	W	WSW	NW	NE	36.7	62.3	103.3	35.9	238.2	2	Ci.	Cu.	9	....	Cu.-N. NW	
4..	N	N	SW	W	N	E	29.3	74.5	100.3	48.5	252.6	0	Ci.	Cu.	10	....	Cu.-N.	
5..	SE	E	SW	SW	W	SE	20.7	70.3	98.2	27.2	216.4	9	....	Cu.-N.	8	....	Cu.-N. WNW	
6..	W	E	SW	NW	NW	E	30	50.7	65.5	70	216.2	9	....	S.-Cu.	9	....	Cu.-N. WNW	
7..	E	NW	E	W	NE	SE	85	52.9	65.4	54.7	258	2	Ci.	Cu.	10	....	Cu.-N.	
8..	W	NW	E	E	E	SE	38.3	44.9	46.1	55.3	184.6	9	Ci.-S.	Cu.-N. NE	9	....	Cu.-N. ENE	
9..	N	E	W	SW	ESE	E	35.6	34.9	58.4	178.2	307.1	9	A.-Cu. ESE	S.-Cu. ESE	10	....	N.	
10..	E	E	E	E	E	SE	150.8	155	103.8	144.3	553.9	3	Ci. SE	Cu.-N.	10	....	Cu.-N. E	
11..	SE	E	SE	SE	E	SE	144	172.8	141.4	154.2	612.4	10	....	Cu.-N.	8	Ci.	Cu.-N. S	
12..	SE	E	E	SE	W	SE	164.4	158.3	47.5	37.3	407.5	10	....	N.	8	Ci.	Cu. SE	
13..	SE	NE	W	W	NW	SE	35.7	46.5	93	62.2	237.4	1	Ci.	Cu.	9	....	Cu.-N. SSW	
14..	E	NE	SW	SW	NW	E	48.1	51	83.4	81.1	263.6	1	Ci. SE	S.-Cu.	9	....	Cu.-N. SSW	
15..	E	E	SE	E	E	E	86.9	85	162.9	179.7	514.5	3	Ci.-S.	S.-Cu. SSE	10	Ci.-S.	Cu.-N. ENE	
16..	E	E	E	SE	SE	SE	205.3	165.3	125.5	125.5	621.6	3	Ci.	S.-Cu.	5	A.-Cu. NE	Cu.	
17..	SE	E	SW	W	W	W	81.8	53.9	96.4	49.3	281.4	9	....	Fr.-N.	10	....	Fr.-N.	
18..	NE	E	W	SW	W	W	48.3	62.5	72.9	49.3	233	5	....	S.-Cu.	8	....	Cu.-N. SSE	
19..	NE	E	SW	W	NW	NE	52.9	65.7	100.8	67.4	286.8	3	Ci.	S.-Cu. S	10	....	Cu.-N.	
20..	E	SE	W	SW	NE	E	42.4	52.9	49.7	107.2	252.2	10	....	Cu.-N.	9	....	Cu.-N. N	
21..	E	E	E	SW	W	SE	91.9	58.4	90.3	35.2	275.8	2	Ci.	Cu.	10	....	Cu.-N.	
22..	E	E	S	W	W	S	40.7	51.7	79.4	26.9	198.7	10	....	Cu.-N.	9	....	Cu.-N.	
23..	NE	SE	SW	SW	W	E	43.3	65.7	63.9	36.5	209.4	1	Ci.	Cu.	9	....	Cu.-N.	
24..	E	E	E	WSW	SE	E	82.7	57.3	66	52.1	258.1	0	Ci.	Cu.	9	....	Cu.-N. WSW	
25..	NE	W	WSW	NNW	E	E	66.5	46.1	78.9	71.8	263.3	4	Ci.	S.-Cu.	10	....	N.	
26..	NE	S	SW	SW	SE	E	53.1	39.2	54.7	107.6	254.6	0	Ci.	S.-Cu.	8	Ci.	Cu.-N. NNW	
27..	E	E	SW	S	N	SE	74.5	56.1	50.4	59.7	240.7	2	Ci.	Cu.	10	....	N.	
28..	SE	E	SE	SW	E	E	46.9	54.5	69	116.5	286.9	0	Ci.	S.-Cu.	10	....	N.	
29..	E	E	SE	NE	E	SE	102.7	82.9	48.6	73.2	307.4	2	Ci.	Cu.	8	....	Cu.-N. E	
30..	E	E	E	SW	S	E	72.2	102.4	57.4	70.6	302.6	4	Ci.	S.-Cu. SE	9	....	Cu.-N.	
31..	E	E	SE	SE	SE	SE	95.3	87.5	106.8	114.1	403.7	1	Ci.	Cu.	5	Ci.	Cu. E	
Mean	......	......	......	......	......	......	71.9	74	83.6	76.1	305.7	4.1	....	....	8.9	....	....	
Total	......	......	......	......	......	......	.....	.....	.....	.....	9,477.3	....	....	....	....	....	....	

BAGUIO

[ϕ=16° 25′ N; λ=120° 36′ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 600 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	mm.
1..	37.20	37.14	38.44	37.05	37.52	38.45	37.63	16.7	16.6	21.4	20.7	17.2	16.5	18.2	22.5	15.9	88	81	62	81	88	85	80.8	2
2..	37.30	37.85	38.69	37.48	37.71	38.40	37.90	16.5	16.6	19.6	21.6	18.4	17.2	18.3	22	15.9	82	81	69	63	75	78	74.7	......
3..	37.70	37.90	38.94	37.26	37.53	38.45	37.96	17.1	17.4	21.9	24.5	19.5	17.6	19.7	25.2	16.2	57	63	60	55	90	73	66.3	......
4..	37.50	37.65	38.34	37	37.65	38.40	37.76	16.1	16.9	23.5	24	18.9	17.8	19.5	26.2	15.4	72	50	59	76	62	60	63.2	......
5..	37.15	36.97	37.99	36.33	36.72	37.55	37.12	17.7	17.2	24.6	22.4	19.3	17.5	19.8	24.8	16.2	68	66	58	81	93	88	75.7	......
6..	36.65	36.62	37.24	35.96	36.49	37.75	36.78	16.1	17.9	22.4	22.7	17.8	17.3	19	24.2	14.8	83	35	60	74	97	91	73.3	......
7..	37	36.88	38.22	36.54	36.91	38.20	37.29	16.4	16.2	22.9	22.8	18.9	17.5	19.1	25.2	15.7	94	69	60	72	89	81	77.5	......
8..	37.40	37.33	38.12	36.52	36.60	37.70	37.28	16.6	16.4	22.6	23.5	17.9	16.8	19	25.4	15.5	87	75	45	72	91	79	74.8	8.9
9..	36.50	36.30	37.09	35.33	35.62	36.45	36.22	16.4	16.2	22.3	20.5	18.1	17.2	18.4	23.3	15.4	78	79	64	84	92	91	81.3	.5
10..	35.70	35.71	36.44	34.81	35.05	36.10	35.64	16.2	15.5	19.6	21.3	17.2	17	17.8	23.2	15.1	93	92	88	82	97	95	91.2	......
11..	35.25	35.33	36.08	34.76	35.38	36.30	35.52	16.5	15.8	20	20.7	18.5	17.4	18.2	23.1	15.1	96	97	86	84	93	90	91	......
12..	35.60	35.70	36.58	35.42	35.88	36.75	35.99	16.6	16	21.8	23.3	18.3	17.1	18.8	23.9	15.4	93	96	75	70	91	89	85.7	......
13..	35.85	36.14	37.23	36.07	36.65	37.65	36.60	16.1	15.9	19.6	20	16.7	16.2	17.4	23.3	14.8	87	97	88	86	97	95	91.7	9.9
14..	36.95	36.84	37.56	36.11	36.62	37.20	36.88	15.1	15.1	21.8	18.1	16.6	15.7	17.1	22.2	14.6	92	80	65	91	90	80	83	......
15..	36.35	36.58	37.48	35.52	35.83	36.55	36.38	14.7	15.4	22	18.7	17.4	16	17.4	22.6	13.9	84	82	58	91	87	75	79.5	......
16..	35.95	35.99	37.12	35.27	35.82	36.60	36.12	15.1	14.8	22.4	21.9	17.9	16.8	18.2	24.1	14.4	88	91	64	80	93	89	84.2	......
17..	35.95	36.12	36.83	35.48	36.37	37	36.29	16.3	15.9	22.3	18.4	17.2	17.1	17.9	23.3	15.7	96	90	74	96	91	86	88.8	6.2
18..	35.90	35.89	36.72	35.04	35.50	36.40	35.91	16.2	16.8	21.9	22.1	17.9	17.5	18.7	23.1	15.5	85	79	62	61	81	79	74.5	......
19..	36	35.97	37.42	35.77	36.45	37.25	36.48	17.1	17.5	20.1	20.2	17.8	16.9	18.3	21.9	16	81	75	71	71	82	84	77.3	......
20..	36.35	36.23	37.07	35.64	36.19	37.15	36.44	16	16.6	22.9	21	18	17	18.6	24.5	15.7	87	81	58	84	95	92	82.8	8.1
21..	36.20	35.80	36.27	34.82	35.38	36.35	35.80	15.9	15.8	20	18.9	17.5	16.1	17.4	22.7	15.1	92	86	77	92	95	88	88.3	.8
22..	35.65	35.97	37.15	35.62	35.94	36.85	36.20	15.8	15.3	19.4	19.7	16.4	16	17.1	21.5	14.9	91	90	77	87	99	99	90.5	5.1
23..	36.45	36.60	37.62	36.24	36.57	37.35	36.80	15.8	15.7	18	17.2	16.4	16.1	16.5	18	15.4	100	96	90	98	96	98	96.3	15.7
24..	36.65	36.68	37.50	36.28	36.57	37.45	36.86	15.6	15.1	15	16.9	14.2	13	15	17.4	12.4	97	97	96	85	79	72	87.7	1
25..	36.50	36.58	37.63	36.52	36.45	37.55	36.87	11.9	11.6	17.8	19.7	15	13.6	14.9	21.3	11.4	84	88	57	55	74	82	73.3	......
26..	37.20	37.13	38.12	36.55	36.86	37.30	37.19	13.2	13.4	20.7	17.5	16.7	16.3	16.3	22.8	12.7	87	88	55	92	84	79	80.8	......
27..	36.95	37.13	37.81	36.71	36.89	37.20	37.12	16.1	16.5	18.6	21.2	17.4	17.2	17.8	22.1	15.4	86	88	75	69	87	79	80.7	.7
28..	36.80	37.04	38.10	37.42	38.24	38.60	37.70	17	16.8	17.6	18.4	17.5	16.6	17.3	18.6	15.9	83	88	89	87	88	89	87.3	.8
29..	38.15	37.95	38.87	37.28	37.82	38.15	38.04	15.7	15.7	20.6	21.4	17.4	17.1	18	23.1	15.1	78	82	68	63	84	70	74.2	......
30..	37.90	37.89	39.32	37.33	38.08	38.23	38.12	16.5	16.9	20.1	20.7	18	17.2	18.2	22.4	16	78	80	69	69	67	74	72.8	1
Mean	36.62	36.66	37.60	36.14	36.58	37.38	36.83	16	16	20.8	20.7	17.5	16.6	17.9	22.8	15	85.6	81.4	69.3	78.4	87.6	83.7	81	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	Km.	Km.	Km.	Km.	0–10			0–10		
1..	E	ESE	E	SSW	E	E	191.8	176.1	79.9	139.5	587.3	4	Ci.	S.-Cu. SE	9	....	Cu.-N. E
2..	E	E	E	SE	ENE	SE	193.2	163.1	77.2	112.5	546	5	Ci.	S.-Cu. ESE	9	A.-Cu.	Cu.-N. ENE
3..	E	E	E	W	N	SE	109.6	118.1	40.5	80.2	348.4	0	Ci.	Cu.	2	Ci.	Cu. E
4..	E	ENE	SE	SW	ESE	SE	109.1	77.5	58.2	116.2	361	1	Ci.	Cu.	2	Ci.	Cu.
5..	SE	NE	SW	SW	WSW	NE	107.3	52.6	74.3	39.4	273.6	0	Ci.	Cu.	10	....	Cu.-N.
6..	NE	ENE	W	SW	SW	NE	91.2	78.6	76.9	47.7	294.4	1	....	Cu.	7	....	Cu.-N. SE
7..	SE	E	SE	W	SE	E	113.7	102.8	76.6	82.9	376	0	Ci.	Cu.	8	....	Cu.-N. E
8..	SE	SE	SE	SW	ENE	E	93.6	113.2	85.8	27.9	320.5	0	Ci.	Cu.	7	....	Cu.-N. WSW
9..	S	NW	SW	SW	SW	SE	16.6	47.3	95	48	206.9	0	Ci.	Cu.	9	....	Cu.-N. NE
10..	N	N	WSW	WSW	W	SE	59.8	72.1	92.3	31.6	255.8	1	Ci.	Cu.	7	....	Cu.-N. WSW
11..	W	E	SW	W	WSW	W	26.8	57.6	81.3	31.4	197.1	0	Ci.	Cu.	9	....	Cu.-N. E
12..	W	NE	SW	WSW	W	E	45.3	58.2	86.7	54.1	244.3	6	Ci.-S.	Cu.-N. N	5	....	Cu. NNE
13..	E	NE	WNW	SW	WSW	NE	71.4	58.1	85.1	33.8	248.4	9	....	Cu.-N. NNW	9	Ci.	Cu.-N. WNW
14..	E	E	SW	SW	SE	E	59.5	50.5	41.3	111.5	262.8	1	Ci.	S.-Cu.	10	....	N.
15..	E	ENE	SE	SW	SE	E	91.5	82.9	54.4	78.6	307.4	3	Ci.	S.-Cu.	9	....	N.
16..	N	W	SE	SW	SE	E	44.5	42.1	74.5	52.8	213.9	0	Ci.-S.	S.-Cu.	8	....	Cu.
17..	N	N	SW	W	E	E	63.3	69.5	70.3	86.1	289.2	9	....	Cu.-N. SSE	10	....	Cu.-N.
18..	NE	NW	E	SE	E	SE	73	63.8	133.9	145.4	416.1	2	Ci.-S.	Cu.	8	Ci. NE	Cu. SSE
19..	E	E	ENE	ESE	E	SE	130.2	110.4	68.4	122.3	431.3	8	Ci.	Cu.-N. ESE	8	Ci.-S.	Cu.-N. SE
20..	SE	ENE	ESE	SW	E	N	137.4	91.4	74.8	41.2	344.8	0	Ci.	Cu.	10	....	N.
21..	NE	NW	SSW	W	E	SE	61.5	48.1	74	89	272.6	1	Ci.	Cu.	10	....	N.
22..	E	E	SSW	SW	W	SW	64.9	58.5	86.3	75.1	284.8	10	....	Cu.-N. SW	8	....	Cu.-N. SW
23..	W	W	SW	WSW	WSW	SW	52.5	50.1	99.2	90.1	291.9	10	....	Cu.-N. SSE	10	....	N.
24..	W	N	ENE	S	SE	E	56.9	60.2	47.3	116.1	280.5	10	....	N.	9	....	Cu.-N. SE
25..	E	ENE	ESE	NE	SE	SE	131.9	124.4	74.3	146.4	477	1	Ci.	Cu.	3	....	Cu.
26..	E	E	ENE	W	SW	SE	118	84	47	48.6	297.6	1	Ci.	Cu.	10	....	Cu.-N.
27..	E	ESE	E	ESE	SE	E	87.1	127.9	144.8	190.5	550.3	9	Ci.-S.	S.-Cu. SSE	9	Ci.-S.	Cu.-N. E
28..	E	E	ENE	E	SE	E	189.4	204.5	110.2	139.7	643.8	10	....	N. SE	9	....	Cu.-N. ESE
29..	E	ENE	E	ESE	ESE	E	167.6	197	148.1	261.8	774.5	2	Ci.	Cu. E	4	Ci.	Cu. E
30..	E	E	ESE	E	E	E	184.9	124.7	143.5	208.2	661.3	3	Ci.-S.	S.-Cu. SE	9	Ci.-S.	S.-Cu. S
Mean	......	......	......	......	......	......	98.1	92.2	83.4	95	368.6	3.6	....	....	7.9	....	....
Total	......	......	......	......	......	......	......	......	......	......	11,059.5	....	....	....	....	....	....

BAGUIO

[ϕ=16° 25′ N; λ=120° 36′ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 600 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	37.88	37.58	38.22	36.89	37.74	38.15	37.74	16.2	16	21.3	21.8	17.4	16.8	18.2	23.1	15.4	85	79	63	62	79	73	73.5	....
2..	37.90	37.76	38.81	37.16	37.32	38.15	37.85	15.8	16.9	23.3	22.5	17.3	15.3	18.5	24.3	14.3	77	77	59	55	66	80	69	....
3..	37.35	37.17	38.05	36.63	36.66	37	37.14	14.8	15.9	22.6	20	17.8	16.6	18	24.1	12.9	66	75	56	85	84	78	74	....
4..	36.55	36.30	37	34.77	35.20	36	35.97	16	16.2	22	21.2	18	17	18.4	24.8	15.4	83	83	58	72	80	84	76.7	0.3
5..	35.10	34.95	36.15	34.67	34.94	35.65	35.24	16.9	16.9	19.4	19.5	17.1	17.1	17.8	20.3	15.9	80	84	73	78	92	91	83	.5
6..	34.98	35.08	36.52	34.87	35.37	36.15	35.50	16.7	16.8	19.9	20.6	17.6	17	18.1	22.3	16.3	92	92	78	87	96	93	89.7	1
7..	35.95	35.94	37.21	35.79	36.15	37.15	36.36	16.6	16.5	18.9	20.5	17.9	17.2	17.9	24.1	16.1	92	93	92	85	84	91	89.5	4.3
8..	36.65	36.39	37.56	36.17	36.54	37.50	36.80	16.4	15.9	21.6	22	18.3	17.4	18.6	23	15.6	93	97	70	81	95	95	88.5	.3
9..	36.85	36.78	37.93	36.65	37.05	37.95	37.20	16.5	16.2	21.9	19.9	17.7	16.3	18.1	22.5	15.5	96	96	84	91	83	81	88.5	....
10..	37.45	37.69	38.86	37.17	37.42	38.50	37.85	15.3	15.8	21.6	23.1	17.6	16.3	18.3	24	14.3	73	59	65	45	57	67	61	....
11..	37.95	38.07	38.72	37.44	37.92	38.70	38.13	15.4	15.2	21.3	22.2	17.3	16.2	17.9	25	14.4	80	80	52	71	90	78	75.2	....
12..	37.45	37.30	38.19	36.87	36.88	37.45	37.36	14.9	15.5	20.6	21.6	17.1	16.6	17.7	22.8	14.1	85	82	62	74	92	93	81.3	....
13..	36.80	36.71	37.16	35.39	35.69	36.20	36.32	15.7	14.9	22.1	19.3	17.8	16.2	17.7	23.7	14.5	97	98	60	93	92	87	87.8	4.8
14..	35.70	35.82	36.92	34.91	35.42	36.30	35.84	15.3	14.9	21.5	18.1	16.7	15.4	17	21.8	14.2	88	91	74	95	95	89	88.7	.3
15..	35.97	36.07	37.52	35.93	36.56	37.10	36.52	14.7	14.4	20.6	22	17.5	15.7	17.5	22.6	13.8	94	94	72	74	93	82	84.8	....
16..	36.40	36.44	37.84	36.48	37.16	38.10	37.07	14.7	14.4	20.5	20.1	17	15.4	17	23.6	14	88	88	62	81	94	88	83.5	....
17..	37.25	37.74	38.73	37.64	38	38.40	37.96	15	14.6	21.3	21	17.4	15.9	17.5	24.6	14.3	87	86	57	77	89	86	80.3	....
18..	38.05	38.29	39.49	37.92	38.18	39.20	38.52	14.7	14.4	21.3	19.9	16.9	15.6	17.1	24.1	14	91	88	59	77	94	86	82.5	....
19..	38.45	38.42	39.57	38.32	38.68	39.55	38.83	14.8	14.4	20.8	19.5	16.3	15.1	16.8	22.6	13.8	90	84	63	84	90	85	82.7	....
20..	39.10	38.77	39.97	38.36	38.73	39.40	39.06	14.9	14.4	21.6	18.6	16.4	15.8	17	23.5	13.8	85	91	60	90	96	95	86.2	8.2
21..	38.69	38.79	39.87	38.73	39.06	39.90	39.17	15.1	14.9	21.4	18.8	16.7	15.5	17.1	22.2	14.5	97	93	66	90	96	86	88	5.7
22..	39.05	38.67	39.79	38.31	38.73	39.55	39.02	14.8	14	19.6	19.3	16.7	14.9	16.6	22.5	13.7	87	92	70	73	81	84	81.2	....
23..	39.05	38.65	39.41	38.19	38.68	39.40	38.90	14.6	15.9	21.3	19	17.1	16.8	17.4	23.5	13.7	79	78	57	86	87	84	78.5	3.8
24..	38.30	37.69	38.74	36.73	37.04	37.50	37.67	16.1	15.7	18.8	20.7	17.5	16.3	17.5	21.8	14.9	86	86	84	86	92	84	86.3	.8
25..	36.75	37.03	38.08	36.89	37.28	38	37.34	15.5	15	20.3	22.1	18.2	16.4	17.9	22.8	14.8	84	89	82	71	91	83	83.3	....
26..	37.45	37.53	38.45	36.89	37.33	37.50	37.52	15.6	15.4	21.4	20.9	17.6	16	17.8	24.1	14.9	87	87	64	79	94	88	83.2	....
27..	37.35	37.59	38.80	37.67	37.89	38.50	37.97	15.7	14.7	21.5	22.4	17.9	17.3	18.2	23.4	13.9	84	92	70	76	91	93	84.3	....
28..	38.15	37.99	39.04	37.38	38.08	38.65	38.22	16	15.4	21.8	21.4	18	16.3	18.2	22.7	14	93	96	62	75	90	84	83.3	....
29..	38	38.22	39.05	37.60	37.99	38.70	38.26	15	14.9	17.9	19	15.5	14.2	16.1	23.5	13.2	89	88	72	79	82	74	80.7	....
30..	38.20	38.23	39	37.58	37.96	38.30	38.21	13.5	12.6	18.4	20.1	12.8	11.5	14.8	21.4	10.7	73	72	57	68	79	78	71.2	....
31..	37.40	37.91	39.50	37.90	38.33	39.15	38.36	10.9	10.9	18.3	18.1	14.9	13.5	14.4	21.1	10.2	78	84	56	79	93	90	80	....
Mean	37.36	37.34	38.39	36.90	37.29	37.99	37.55	15.3	15.1	20.8	20.5	17.1	15.9	17.5	23.1	14.2	85.8	86.3	66.4	78	87.6	84.8	81.5	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	30

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	E	E	ESE	ENE	E	195.9	188.4	111.3	118.5	614.1	8	A.-Cu. SSE	S.-Cu. ESE	3	....	Cu. E
2..	NE	SE	E	SE	SE	E	50.4	70	95.2	122.1	337.7	2	Ci. S	S.-Cu.	6	Ci.	Cu. NW
3..	E	ENE	E	WSW	ESE	E	101.2	76.9	70.8	71.6	320.5	0	Ci.	Cu.	9	....	Cu.-N.
4..	SW	ESE	ENE	WSW	E	......	47.8	103.8	70.8	[a]59.7	282.1	2	Ci.-S.	S.-Cu. NE	7	Ci. S	Cu. E
5..	......	ENE	E	ENE	E	E	.....	116.5	95.5	172.9	......	10	....	S.-Cu. E	10	....	Cu.-N. E
6..	E	E	SE	SW	SE	E	114.8	98.2	57.9	108	378.9	10	....	Cu.-N. SE	9	....	Cu.-N. SSE
7..	E	ESE	W	SW	SE	SE	91.5	66.6	64.1	58.9	281.1	2	Ci.	S.-Cu.	9	....	Cu.-N.
8..	E	E	SE	SW	S	E	83.5	79.7	58.7	53.9	275.8	10	Ci.-S.	Cu.-N.	8	....	Cu.-N. S
9..	E	SE	SW	SW	ENE	E	86.1	61.7	67.6	121.2	336.6	3	Ci.	Cu.-N. E	10	....	Cu.-N.
10..	E	SE	SW	SW	ENE	E	82.4	44.8	85.5	102.5	315.2	1	Ci.	Cu.	3	Ci.	Cu.
11..	SE	SE	ESE	SW	SW	E	84.5	96	72.1	37.3	289.9	0	Ci.	Cu.	2	....	Cu.
12..	NE	NE	SW	W	NE	SE	45.1	55.7	88.2	69	258	0	Ci.	Cu.	6	....	Cu.-N.
13..	E	NE	S	SW	SE	E	54.7	53.6	74.3	74.5	257.1	0	Ci.-S.	Cu.	10	....	N.
14..	E	E	NE	W	NE	E	78.1	60.7	49.7	54.2	242.7	0	A.-Cu. SE	Cu.	10	....	N.
15..	NE	N	WSW	SW	SW	E	54.9	62.5	71.1	92.3	280.8	1	Ci.	Cu.	6	....	Cu.-N. W
16..	E	E	E	WSW	SE	E	108.6	98	72.4	124.2	403.2	0	....	Cu.	10	....	Cu.-N.
17..	SE	E	E	SW	SE	E	112	77	72.6	91.4	353	1	Ci.	Cu.	7	....	Cu.-N. E
18..	E	E	E	SW	SE	E	104.8	76.6	54.4	73	308.8	0	Ci.	Cu.	9	....	Cu.-N. ESE
19..	E	E	SE	WSW	SE	E	99.6	86.3	67.3	80.3	333.5	0	....	S.-Cu.	10	....	Cu.-N. W
20..	E	NE	SE	W	NE	E	82.6	61.5	71.6	84.5	300.2	2	Ci.	S.-Cu.	10	....	N.
21..	E	E	ESE	WSW	SE	E	85.8	63.6	76.1	85.9	311.4	0	Ci.	Cu.	10	....	S.-Cu.
22..	E	E	SE	SW	SE	E	102.2	65.7	63.4	82.6	313.9	0	Ci.	Cu.	9	....	Cu.-N. E
23..	E	E	E	SW	E	E	134.9	116.1	56.3	51.7	359	1	Ci.	S.-Cu.	10	....	Cu.-N. W
24..	N	NW	N	SW	SE	......	72.2	60.9	61.4	.....	......	0	Ci.	Cu.	10	....	Cu.-N.
25..	......	NE	SW	SW	SE	SE	.....	[b]54.5	76.7	114.3	......	10	....	Cu.-N.	4	Ci.	Cu.-N. E
26..	E	E	SE	SW	SE	SE	135.2	98.4	61.2	125.3	420.1	1	Ci.-S.	Cu.	5	....	Cu.-N. E
27..	E	NE	WSW	SW	NE	E	92.3	52.9	84	62.8	292	1	Ci.	S.-Cu.	5	....	Cu.-N. W
28..	N	NE	SW	W	E	E	49.3	66.3	68.9	113.3	297.8	1	Ci. SE	Cu.	10	....	Cu.-N.
29..	E	SE	ESE	W	ESE	E	124.1	116.7	60.2	111	412	8	A.-Cu. SW	S.-Cu.	8	....	S.-Cu.
30..	SE	E	E	ENE	E	E	106.4	108.9	70.2	147.9	433.4	0	Ci.	Cu.	3	Ci.	Cu.
31..	E	E	SE	WSW	SW	E	131.7	83.2	58.7	63.3	336.9	0	Ci.	S.-Cu.	8	....	Cu.-N.
Mean	......	......	......	......	......	......	93.5	81.3	71.2	90.9	333.8	2.4	....	....	7.6	....	....

[a] 3 hours missing.

[b] 1 hour missing.

VIGAN

[ϕ=17° 34′ N; λ=120° 23′ E; barometer above sea, 12.2 meters; gravity correction not applied, —1.61 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.46	60.72	62.26	60.49	61.75	62.49	61.36	24.5	22.9	28.7	30	26.2	24.3	26.1	30.8	22	75	79	66	62	77	81	73.3	....
2..	62.24	62.48	63.11	60.84	60.80	62.08	61.92	23.8	23.9	29	28.5	26	24	25.9	30.2	23.1	80	80	58	67	79	79	73.8	....
3..	61.66	62.02	63.01	60.81	61.86	62.87	62.04	23	21.9	28.5	29	25	23.5	25.2	29.7	21.2	81	84	60	64	80	83	75.3	....
4..	62.45	63.03	64.01	61.43	61.63	62.41	62.49	22	21	27.6	29	24.9	23	24.6	29.5	20.4	86	91	66	64	80	85	78.7	....
5..	62.11	62.87	63.73	62.04	63.64	64.39	63.13	22.1	22	28.8	28.5	25.9	25.9	25.5	30.8	21.1	89	83	59	64	62	51	68	....
6..	64.16	64.64	64.97	62.74	63.31	63.91	63.96	25.5	25	29	32.1	27.8	26.5	27.6	32.5	24.3	48	50	40	36	45	66	47.5	....
7..	63.08	62.73	63.45	61.84	62.71	62.93	62.79	25.1	24	31	29.4	26.5	25.3	26.9	31.9	22.9	69	60	42	56	73	76	62.7	....
8..	62.34	62.67	63.66	60.58	60.95	62.09	62.05	23.5	21.8	29.9	29.5	26	23.9	25.8	31.3	21	77	82	56	55	72	84	71	....
9..	60.94	61.39	62.21	59.99	60.35	61.19	61.01	22.6	21.5	29.5	29.5	25.9	23.8	25.5	30.3	21	84	87	61	59	76	85	75.3	....
10..	59.86	59.92	61.23	58.89	59.19	60.14	59.87	23.1	22.9	30	30.5	26.5	24	26.2	31.8	21.2	83	83	61	56	80	86	74.8	....
11..	59.20	59.23	60.69	59.26	59.78	60.99	59.86	22.1	21.5	29	29.5	25.7	23.5	25.2	31.3	20.6	81	82	55	64	81	87	75	....
12..	60	59.92	61.69	59.47	59.99	61.32	60.40	21.7	20.5	27.6	29	25	22	24.3	29.3	19.9	87	91	62	60	72	87	76.5	....
13..	60.41	60.46	61.98	59.75	59.93	61.40	60.66	20	19	27.5	28.5	25.2	24	24	30.4	18.4	85	82	54	57	76	70	70.7	....
14..	61.37	61.74	63.35	61.45	62	62.61	62.09	23.5	21.6	29.5	29.4	26.6	24.4	25.8	30.4	21	67	77	53	55	71	80	67.2	....
15..	62.25	62.49	63.71	61.94	62.35	63.14	62.65	22.3	21	29.4	30	26.5	23.7	25.5	30.8	20.4	88	89	52	56	73	85	73.8	....
16..	62.46	62.37	63.55	61.66	62.08	63.18	62.55	22.5	21.5	30.3	29.4	25.8	23.7	25.5	31.8	20.9	86	87	48	65	80	86	75.3	....
17..	62.92	63.16	64.58	62.91	63.10	64.26	63.49	23	21.7	29.9	29.5	26.5	24.2	25.8	31.4	20.9	81	85	48	64	70	81	71.5	....
18..	63.50	63.84	65.44	63.39	63.55	64.44	64.03	24.2	23	30	29	25.9	24	26	31.9	22.5	71	74	56	64	77	83	70.8	....
19..	63.99	64.44	65.10	62.81	63.61	64.45	64.07	21.8	21.3	27.5	28.4	25.5	22.6	24.5	29.9	20	87	85	63	58	68	75	72.7	....
20..	63.76	63.74	64.56	61.54	62	63.66	63.21	21.3	20.6	28.1	29.9	27.5	25.3	25.4	30	20	74	76	54	53	48	52	59.5	....
21..	63.07	63.29	64.75	62.50	62.90	63.96	63.41	24.5	23.5	28.6	28.8	25.5	22.3	25.5	30	20.9	54	59	48	53	68	76	59.7	....
22..	63.13	63.40	64.68	62.01	62.15	62.64	63	21	20.1	27.5	29.5	24.5	23.9	24.4	29.6	19.4	75	80	58	46	78	64	66.8	....
23..	62.21	62.27	63.78	61.40	61.53	62.49	62.28	23.7	21.5	28.5	28.9	25	23.4	25.2	31.7	21	60	66	51	55	72	76	63.3	....
24..	62.20	62.20	63.34	61.25	61.33	62.10	62.07	21.8	21.1	28	28.9	25.1	21.8	24.4	29.7	20.5	80	81	60	49	72	85	71.2	....
25..	61.22	61.95	63.82	61.35	61.19	62.04	61.93	21.1	20	26.8	28.4	24.5	22	23.8	29.6	19.3	84	87	60	54	69	82	72.7	....
26..	61.53	61.91	63.46	61.05	61.79	62.55	62.05	20.8	20.5	28	29.5	26	23	24.6	30.6	18.5	76	69	46	58	76	83	68	....
27..	61.75	61.95	63.56	60.95	62.06	63.14	62.24	22.1	21.3	27.9	29.3	25.9	22.9	24.9	31.6	20.6	72	68	46	59	70	79	65.7	....
28..	62.68	62.53	63.55	60.76	60.50	61.26	61.88	21.9	21.4	29	29.4	26	23.6	25.2	30.1	20.6	78	75	55	59	76	82	70.8	....
29..	60.85	61.45	62.88	61.19	61.56	62.11	61.67	21.7	21.9	29.2	29	25.8	23.9	25.2	31.5	20.3	86	78	53	60	74	84	72.5	....
30..	61.72	62.12	63.39	60.79	61.06	62.04	61.85	22.6	21.5	28.4	29.4	25.3	23.1	25	29.9	20.4	87	89	58	59	74	83	75	....
31..	60.96	61.09	62.41	59.98	60.88	61.99	61.22	22	21.5	29.4	30	26	23	25.3	30.8	20.2	82	82	53	50	72	83	70.3	....
Mean	61.95	62.19	63.42	61.20	61.66	62.59	62.17	22.6	21.7	28.8	29.3	25.8	23.7	25.3	30.7	20.8	77.8	78.7	54.9	57.5	72.3	78.7	70	....
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	0

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NW	SE	WNW	WNW	NW	NW	32.8	52.8	83.7	44.5	213.8	2	Ci.-S.	Cu. SE	4	A.-Cu. SW	Cu. NW
2..	NW	NbyW	NbyW	N	NbyW	NW	47.7	133.3	196.6	66	443.6	3	Ci.-S.	Cu. N	4	....	Cu. N
3..	NW	NbyW	NbyW	N	NbyW	NNW	58.7	72.9	155.3	105.1	392	9	A.-Cu. SE	Cu.	2	....	Cu.
4..	NNW	NNW	NNW	N	NNW	NbyW	64.1	65	138.4	53.9	321.4	3	Ci.-S.	S.-Cu. N	1	....	Cu.
5..	NbyW	Calm	N	NNW	NbyW	NNE	30.8	79.5	109.4	123.9	343.6	9	A.-Cu. S	S.-Cu.	9	A.-Cu.	S.-Cu. SE
6..	NE	NE	E	EbyN	E	NE	120.7	165.7	142.9	137.9	567.2	10	A.-Cu.	S.-Cu. S	5	A.-Cu. SW	Cu.
7..	ENE	ENE	EbyS	WNW	Calm	Calm	40.5	39.1	81.1	4.8	165.5	4	A.-Cu. S	S.-Cu.	1	A.-Cu.	Cu.
8..	NNE	NNE	NNW	NW	NNW	NW	24.9	35.6	110.4	46.9	217.8	1	A.-Cu.	S.-Cu.	1	....	Cu.
9..	NNW	NNE	NNW	NW	NW	NW	32.2	48.8	92.5	24.3	197.8	1	Ci.-S. NW	S.-Cu.	1	....	Cu.
10..	NW	E	Calm	W	W	WNW	36	45.1	50.5	19	150.6	1	....	Cu.	1	....	Cu.
11..	NNW	N	EbyN	WbyN	NW	NW	36.7	41.8	75.6	33	187.1	1	....	Cu.	4	A.-Cu. ENE	Cu. WNW
12..	NW	N	N	NW	NNW	NW	33.5	49.4	114.3	30.6	227.8	1	....	Cu.	1	Ci.-S.	Cu.
13..	N	N	NbyE	NNW	NNW	SE	38	47.3	143.2	41.8	270.3	2	Ci.-S.	Cu.	4	Ci.-S. SW	Cu.
14..	ENE	ENE	NNW	W	Calm	W	42.3	39.7	63.4	12.3	157.7	2	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu. E
15..	W	W	NbyW	WbyN	NW	NW	29.6	36.4	78.3	37	181.3	1	....	Cu.	2	Ci.-S.	Cu.
16..	N	N	Calm	NW	N	NW	22.8	42.1	136.8	52.5	254.2	2	....	Cu.	2	A.-Cu.	Cu. N
17..	Calm	NbyE	SSE	WNW	NNW	WSW	18.3	46.1	69.8	21.4	155.6	2	Ci.-S.	Cu. SE	3	A.-Cu. NE	Cu. NW
18..	SW	ESE	EbyS	WbyN	NNW	NW	42.9	43.5	83.2	16.6	186.2	1	....	Cu.	4	A.-Cu.	Cu. NNE
19..	NW	Calm	NW	NNW	NNW	NW	17.7	48.3	120.7	66.5	253.2	1	....	Cu.	8	A.-Cu.	Cu.-N. E
20..	NNW	NNW	NbyW	NNW	E	NNW	89.6	77.2	107.8	82.1	356.7	1	....	S.-Cu.	4	A.-Cu. SE	Cu. E
21..	E	E	NW	NW	WNW	NW	84	51.2	87.7	25.4	248.3	6	A.-Cu. SE	Cu.	1	....	Cu.
22..	NE	NE	NW	WNW	NNW	E	40.7	55.7	127.1	40.2	263.7	1	....	Cu.	1	....	Cu.
23..	E	SE	E	W	NW	NW	78.1	58.4	85.3	40.8	262.6	1	....	Cu.	1	....	Cu.
24..	E	ESE	SW	WSW	WNW	NW	37	52.5	72.6	39.2	201.3	2	Ci.-S.	Cu.	2	....	Cu. NW
25..	ENE	EbyN	WNW	NW	NbyW	NW	35.1	52.9	119.1	35.4	242.5	2	Ci.-S.	S.-Cu.	0	Ci.-S.	Cu.
26..	NW	ESE	ESE	SW	WNW	NW	36	79.5	70.8	26.6	212.9	2	Ci.-S.	S.-Cu.	1	....	Cu.
27..	NW	E	EbyS	SW	WbyN	WNW	47.5	64.4	74	24.1	210	2	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu.
28..	NNW	NE	NNW	WNW	WNW	N	31.4	37	71.9	26.9	167.2	2	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu. NE
29..	N	EbyS	E	W	NW	NW	34	53.9	93	25.1	206	3	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
30..	NW	NW	NNW	NW	NNW	NW	25.5	69.5	138.4	52.5	285.9	7	A.-Cu. SE	S.-Cu.	6	Ci.-S. W	Cu.
31..	NNW	EbyN	Calm	WbyN	WNW	NW	27.6	42.3	68.1	31.2	169.2	3	Ci.-S.	S.-Cu.	1	....	Cu.
Mean	......	......	......	......	......	......	43.1	58.9	102	44.8	248.8	2.8	....	....	2.6	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	7,713	....	....	....	....	....	....

VIGAN

[φ=17° 34′ N; λ=120° 23′ E; barometer above sea, 12.2 meters; gravity correction not applied, —1.61 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.12	61.25	62.73	61.24	61.80	62.24	61.73	21.9	21.5	29.5	29.4	25.7	23.1	25.2	30.8	20.1	80	78	53	56	71	82	70	....
2..	61.71	62.08	63.61	62.21	62.78	63.43	62.64	21.3	21.6	28.6	30.1	26.1	24.5	25.4	30.8	20.1	80	80	54	60	76	83	72.2	....
3..	62.76	63.09	63.83	61.88	62.91	63.69	63.03	23	21.5	29.5	29.4	26.5	23.5	25.6	30.9	20.5	87	87	48	64	76	87	74.8	....
4..	62.90	64.16	65.34	62.88	64.10	65.19	64.10	22.5	21.5	28	27.7	23.6	21.6	24.2	28.8	20.9	89	90	67	64	75	71	76	....
5..	64.80	65.20	65.68	62.35	63.56	64.85	64.41	20.2	23	28.5	31.5	25.8	24.4	25.6	31.6	19.4	76	59	40	34	44	48	50.2	....
6..	64.37	65.39	66.09	63.58	64.70	64.85	64.83	23.9	23.9	29.9	29.5	26.4	22.9	26.1	32.3	21.8	52	53	42	50	66	71	55.7	....
7..	63.79	64.77	65.59	63.05	64.21	63.88	64.22	21.8	22.4	29.4	30	26	24.5	25.7	30	20.5	71	63	59	56	76	83	68	....
8..	63.57	64.67	65.29	62.69	62.61	63.39	63.70	22.8	21.5	30.5	28.5	25.1	24.1	25.4	31.9	21	87	86	55	70	84	87	78.2	....
9..	62.72	63.57	64.56	62.31	62.68	63.44	63.21	23.4	21.6	28.5	29.2	27	23	25.4	30.2	21	85	90	60	55	66	79	72.5	....
10..	62.55	63.25	64.54	61.44	61.21	62.48	62.58	21.2	20.7	29.9	28.2	25.6	25	25.1	30.2	19.6	78	84	59	66	77	67	71.8	....
11..	62.54	63.19	64.46	61.84	61.55	63.04	62.77	24.9	24.5	28.6	29	26	24.5	26.2	29.7	23	65	74	60	52	68	76	65.8	....
12..	62.42	61.80	63	60.66	61.13	62.18	61.86	24.5	24	29.1	30.4	26	23.9	26.3	30.6	23	70	64	55	56	72	84	66.8	....
13..	61.92	62.06	63.65	61.41	61.50	63.09	62.27	23.2	21.6	29	28.5	25.8	23.4	25.2	30.9	21	85	88	57	60	78	88	76	....
14..	61.90	62.06	62.88	60.77	60.98	62.06	61.78	22	21.4	28	30.5	27.8	26.8	26.1	31.3	20.5	87	79	61	56	68	62	68.8	....
15..	61.90	62.53	63.33	61.61	62.63	63.44	62.57	26.2	24.8	29	29.6	26.8	24.6	26.8	30.7	24.1	73	85	68	63	71	85	74.2	....
16..	62.69	62.64	62.75	61.40	60.74	61.70	61.99	23.3	21.8	30.5	27.6	24.8	23.4	25.2	33.5	21.1	86	88	52	64	69	72	71.8	....
17..	61.21	61.22	61.86	59.93	59.87	60.41	60.75	22.3	21.3	26.5	27.6	24	21.4	23.8	28.3	19.9	74	79	59	59	73	83	71.2	....
18..	59.85	59.69	60.79	59.15	59.66	60.55	59.95	19.7	18.5	27.4	29.2	26	23	24	29.8	17.2	85	88	54	48	62	74	68.5	....
19..	59.89	60.55	61.50	59.54	59.76	60.87	60.35	23.1	22	29.7	29.8	26	23.3	25.6	31.6	21.3	65	72	48	56	73	84	66.3	....
20..	60.66	61.36	60.93	58.66	58.74	59.78	60.02	22	21.4	31.1	31.3	27.7	24.5	26.3	31.7	20.7	82	82	47	50	68	78	67.8	....
21..	58.81	60.15	61.31	59.04	59.12	59.63	59.68	24.3	23.5	30.5	31.1	26.5	23.9	26.6	31.7	22.3	57	81	58	56	74	84	68.3	....
22..	59.04	58.95	60.10	58.21	58.05	58.94	58.88	21.9	20.8	29	28.9	26.5	23.9	25.2	30.2	20	84	83	58	61	68	71	70.8	....
23..	58.60	59.07	60.94	58.93	59.32	60.34	59.53	22	21.6	30.8	30.5	26.4	24	25.9	32	20	73	69	42	56	70	85	65.8	....
24..	59.97	60.21	61.43	59.41	59.79	60.92	60.29	22.9	20.9	29	29.5	25.4	24	25.3	30.6	19.8	81	82	61	61	73	79	72.8	....
25..	59.94	60.17	61.49	58.69	58.89	59.81	59.83	22.2	20.6	29.9	30.6	27.2	25.4	26	31.7	20	85	85	53	47	68	48	64.3	....
26..	59.57	60.35	61.68	60.18	60.39	61.24	60.57	25.1	24.2	30	29.6	27.3	23.8	26.7	32.9	22.3	46	52	44	52	61	80	55.8	....
27..	60.65	61.36	62.69	60.34	60.21	61.14	61.06	22.2	22.6	29.6	30.8	26.3	24.3	26	31.3	21.5	82	74	58	49	73	85	70.2	....
28..	60.94	61.35	62.31	60.46	60.30	61.26	61.10	22.7	22	29.6	29.5	26	24.9	25.8	30.8	21	88	87	54	62	77	84	75.3	....
Mean	61.53	62	63.01	60.85	61.19	62.07	61.78	22.7	22	29.3	29.6	26.1	23.9	25.6	31	20.8	76.9	77.9	54.5	56.5	70.6	77.1	68.9	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	0

Day.	Wind.											Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NW	N	WbyS	WNW	NW	Calm	35.1	46.5	76.9	25.7	184.2	3	Ci.-S.	S.-Cu.	1	....	Cu.
2..	NW	ESE	SW	SW	NW	NW	35.6	66.8	69	39.4	210.8	3	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu. N
3..	NW	N	ESE	SSW	NNW	NW	28.5	63	75.3	37.5	204.3	3	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu. S
4..	NNW	NNW	NbyW	N	N	NW	31.7	87.2	238.8	111.2	468.9	3	....	Cu. NE	5	....	Cu. EbyN
5..	N	N	NbyE	EbyN	E	ENE	85	152.4	199.5	179.4	616.3	1	A.-Cu.	Cu. E	2	Ci.-S. SW	Cu.
6..	ENE	ENE	ENE	NW	WbyN	W	93.8	96.9	73	22.2	285.9	1	Ci.-S.	Cu.	0	Ci.-S.	Cu.
7..	NE	NE	WbyN	WSW	WbyN	WbyN	28.4	63.1	76.1	22.3	189.9	1	Ci.-S.	Cu.	1	Ci.-S.	Cu.
8..	SW	SW	E	NW	NbyW	Calm	21.4	42.6	119.1	30.4	213.5	2	Ci.-S.	Cu.	4	....	Cu. NW
9..	SW	SSW	W	NW	WNW	Calm	28.7	40.7	76.1	14	159.5	4	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu.
10..	N	N	Calm	NbyW	NbyW	SE	32.2	35.4	185	47.2	299.8	4	Ci.-S.	Cu. WNW	4	Ci.-S. SW	Cu.
11..	SSW	SSW	W	NbyW	N	NNW	46.9	49.3	123.4	19.8	239.4	10	A.-Cu. W	S.-Cu.	4	Ci.-S. W	Cu.
12..	N	ESE	SW	SW	NW	NW	51.5	60.4	67.8	33.3	213	4	A.-Cu. W	S.-Cu.	2	Ci.-S.	Cu.
13..	NW	NNW	NbyW	NW	NbyW	NW	26	37.8	118	50.2	232	2	Ci.-S.	Cu.	1	Ci.-S.	Cu.
14..	NNW	NbyW	NW	NNW	NW	ESE	62.5	91.2	114.8	42.1	310.6	4	Ci.-S.	S.-Cu.	3	Ci.-S. SE	Cu.
15..	NbyW	NbyW	WbyS	WNW	NW	NW	22.8	40.7	78.6	13.4	155.5	10	A.-Cu. SE	S.-Cu. E	4	Ci.-S.	Cu. WNW
16..	NbyW	N	NbyE	N	N	N	21.7	35.2	237.3	146.4	440.6	1	Ci.-S.	Cu.	4	A.-Cu. N	Cu. N
17..	N	NbyW	NW	NbyW	NbyW	NbyW	98	109.6	159.3	45.1	412	2	Ci.-S.	Cu.	2	Ci.-S.	Cu.
18..	NNW	Calm	W	WNW	NW	NW	16.6	35.6	70.2	19.8	142.2	1	Ci.-S.	....	1	Ci.-S.	Cu. SSW
19..	NNE	NE	E	W	NbyW	NW	61.8	58.4	90.6	32.2	243	3	A.-Cu.ssw	S.-Cu.	2	Ci.-S. SW	Cu.
20..	N	E	Calm	W	WNW	NW	38.6	54.2	57.3	22	172.1	6	Ci.-S.wsw	S.-Cu.	2	A.-Cu. SW	Cu.
21..	NW	NW	SW	W	NW	NW	15.6	40.7	82.4	19.8	158.5	8	A.-cu.wsw	S.-Cu.	3	A.-Cu. SW	Cu.
22..	N	N	NbyW	NNW	NbyW	N	26	75.6	127.4	37.2	266.2	2	Ci.-S.	Cu.	1	....	Cu.
23..	NE	ESE	ESE	WNW	NNW	NW	42.9	49.1	92.7	57.3	242	2	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
24..	N	N	WNW	NW	NbyW	NW	27.2	58.5	193.1	152.1	430.9	4	Ci.-S.NW	S.-Cu.	2	Ci.-S.	Cu. N
25..	NNW	NNW	WNW	NNW	NW	ENE	64.2	47.7	116.7	105.4	334	5	Ci.-S. SW	S.-Cu.	2	Ci.-S.	Cu.
26..	E	E	ENE	WNW	NW	NW	112.7	95	81.1	27.6	316.4	9	A.-Cu. S	S.-Cu. SW	4	Ci.-S. SW	Cu.
27..	NW	SE	SW	WbyN	NNW	NW	40	48	101.9	63.6	253.5	5	Ci.-S. SW	S.-Cu. N	6	Ci.-S. SW	Cu.
28..	NW	NW	SW	WbyN	NW	NW	33.5	59.8	86.9	26.4	206.6	4	Ci.-S.	S.-Cu. S	7	Ci.-S. SW	Cu. SW
Mean	......	......	......	......	......	......	43.9	62.2	113.9	51.5	271.5	3.8	....	....	2.8	....	....
Total	......	......	......	......	......	......	......	......	......	......	7,601.6	....	....	....	....	....	....

VIGAN

[φ=17° 34′ N; λ=120° 23′ E; barometer above sea, 12.2 meters; gravity correction not applied, —1.61 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.35	60.54	61.83	59.45	59.46	60.48	60.35	23.1	21.9	29	30.1	26.5	23.9	25.8	31.2	20.6	87	82	55	60	73	81	73	......
2..	60.19	60.51	62	59.90	59.75	61.12	60.58	21.9	20.5	28.7	31.3	26.5	24.3	25.5	31.3	20	86	78	49	49	73	85	70	......
3..	60.60	61.09	62.63	61.08	61.31	61.45	61.36	22.9	23.7	31.5	30.3	26.5	24.3	26.5	33.2	21.8	80	62	40	57	68	76	63.8	......
4..	61.35	61.65	63.04	61.20	61.49	61.80	61.76	22.8	23.1	30	30.6	27.1	24.1	26.3	31.7	22	81	77	55	58	66	82	69.8	......
5..	61.15	61.16	62.64	61.23	61.01	61.81	61.50	23	23	28.5	30	26.7	25.1	26	30.7	21.8	86	84	64	62	75	83	75.7	......
6..	60.75	61.19	62.36	60.79	60.85	61.65	61.26	23.8	22.4	29	29.5	26.9	24.8	26.1	30.8	21.6	86	88	62	61	70	81	74.7	......
7..	60.81	61.17	62.33	60.67	60.89	61.36	61.20	23.7	23	29	30.4	27	25	26.4	31.3	22	84	83	61	59	75	84	74.3	......
8..	60.54	60.41	61.88	60.62	60.54	61.58	60.93	24	22.9	28.7	30	27	24.9	26.2	31.7	22	86	88	66	65	73	84	77	......
9..	60.86	60.54	61.83	59.87	59.86	60.95	60.65	23.9	23.8	29.5	31	27.5	24.7	26.7	32.1	22.5	86	84	58	50	73	82	72.2	......
10..	60.55	61.05	62.19	59.78	60.28	61.13	60.83	23.1	22.2	30.5	31	27.5	27	26.9	32.2	21.6	84	85	59	59	73	79	73.2	......
11..	60.68	61.44	61.75	59.87	59.92	60.98	60.77	25.9	25	31.4	30	27.5	26.8	27.8	32.4	24	80	83	56	62	75	78	72.3	......
12..	60.86	61.55	63.39	60.92	60.52	61.94	61.53	25.7	24.5	30.4	31.5	28	25.5	27.6	32.1	23.8	79	78	63	57	70	83	71.7	......
13..	61.21	61.48	62.65	59.82	59.60	60.71	60.91	24.4	23.4	31	31.8	28.3	26.5	27.6	32.9	22.5	84	88	59	47	68	80	71	......
14..	59.80	60.70	62.60	60.29	60.40	61.63	60.90	26.3	25.5	29.9	32.4	28.9	26	28.2	32.4	24.6	80	80	62	46	65	76	68.2	......
15..	60.99	62.07	63.47	60.67	60.29	61.58	61.51	24.2	23.2	29.5	30.4	26.6	25.3	26.5	31.2	22.5	73	89	64	60	72	79	72.8	......
16..	61.02	61.26	62.33	59.84	59.57	60.50	60.75	23.4	22	31.5	31.3	28.3	26.6	27.2	33.8	21.4	80	87	47	53	65	69	66.8	......
17..	60.15	60.51	62.35	60.57	60.52	61.78	60.98	26.5	25.3	30.1	31.8	28.5	26.2	28.1	32.2	24.6	63	66	61	47	67	79	63.8	......
18..	61.11	61.74	62.92	60.75	61.23	62.53	61.71	24.8	23	30.9	30.8	27.8	25.4	27.1	32.1	22.4	80	83	46	57	68	79	68.8	......
19..	61.85	62.57	63.87	61.55	61.03	62.14	62.17	24.5	22.9	30.4	30.8	27	25.2	26.8	31.8	22.2	78	79	58	60	77	80	72	......
20..	61.05	61.37	62.47	60.08	60	61.13	61.02	24.1	24.5	31	31.6	28.9	27	27.8	33.3	22.6	79	64	53	59	63	77	65.8	......
21..	60.21	60.39	62.14	59.45	59.62	60.55	60.39	26.3	25.5	26	32	27.9	25.8	27.2	32.3	24	79	80	79	57	74	85	75.7	1.8
22..	59.33	59.92	60.70	59.22	59.08	60.34	59.76	24.5	23.7	31.5	32.2	28.5	26.2	27.8	32.8	23	86	89	57	78	85	90	80.8	......
23..	59.23	59.73	60.80	59.04	59.18	60.03	59.67	24.9	25	29.8	32.5	28.4	27	27.9	33.7	23.9	91	88	71	66	75	83	79	......
24..	59.14	59.45	60.90	58.98	58.84	59.87	59.53	26.4	25	30.3	31.8	28.1	26.4	28	32.5	24.4	85	88	72	62	77	81	77.5	......
25..	59.16	59.35	60.63	59.33	59.38	60.84	59.78	26.4	26.5	31.4	32.1	28.8	26.9	28.7	33.2	25	82	83	70	60	76	85	76..	......
26..	60	60.15	60.89	58.97	58.79	59.82	59.77	25.5	24	34.9	32.5	29.1	28.5	29.1	36.2	23.4	80	78	39	58	67	62	64	......
27..	59.15	59.78	60.68	58.59	58.97	59.85	59.50	27.5	25.4	29.3	31	28.1	26.3	27.9	32.5	24.5	56	61	56	56	65	74	61.3	......
28..	59.53	60.51	61.25	58.75	59.13	59.99	59.86	25.4	25.2	31.2	30.4	27.5	26.5	27.7	31.8	24.4	80	80	61	65	75	79	73.3	......
29..	58.75	59.49	60.72	59	58.87	60.17	59.50	25.8	26	32	32	28.8	27.3	28.6	33.3	24.5	79	62	52	57	66	78	65.7	......
30..	58.70	58.64	59.90	57.47	58.25	59.29	58.71	25.7	26.7	31	31	28	26.9	28.2	31.8	25	75	64	62	59	70	69	66.5	......
31..	58.60	58.62	59.65	57.78	57.68	59.18	58.58	26.7	24.6	28	29.7	28.6	27	27.4	30.8	24	71	87	70	63	63	69	70.5	......
Mean	60.25	60.65	61.90	59.86	59.88	60.91	60.57	24.7	24	30.2	31.1	27.8	25.9	27.3	32.3	23	80.2	79.6	58.9	58.4	71	79.1	71.2	......
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	1.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NW	N	SW	W	NW	NW	23.9	65.5	74.8	30.8	195	10	Ci.-S.	S.	3	Ci.-S.	Cu. S
2..	NW	N	NbyW	NW	NNW	NW	22.7	60	117.5	30.6	230.8	4	Ci.-S. W	S.-Cu.	1	Ci.-S.	Cu.
3..	ESE	ESE	SSW	WNW	NNW	NW	52.6	70	108.8	37	268.4	4	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu.
4..	SE	SE	SW	WbyN	WNW	NW	33.3	57.1	82.3	32	204.7	6	Ci.-S. NE	S.-Cu.	2	Ci.-S.	Cu.
5..	W	W	SW	SW	NW	NW	20.9	66	87.2	43.1	217.2	9	A.-Cu. NE	S.-Cu.	6	Ci.-S.	Cu. SW
6..	NNW	NNW	SW	WbyS	NW	NW	27.4	44.3	84.7	45.7	202.1	5	Ci.-S. SE	Cu.	3	A.-Cu. E	Cu. W
7..	NbyW	NbyW	SW	W	NNW	NW	29.2	59.3	90.9	57.9	237.3	4	Ci.-S. ESE	S.-Cu.	3	Ci.-S.	Cu. W
8..	NNW	NNW	SSW	W	WbyN	WNW	21.1	56.9	67.8	27.7	173.5	3	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu. W
9..	W	ESE	NW	WNW	NW	NW	27.1	77.9	88.5	27.6	221.1	4	Ci.-S. SW	S.-Cu.	3	Ci.-S.	Cu.
10..	W	EbyN	NW	WNW	WNW	Calm	27.7	39.7	69.2	18.5	155.1	4	Ci.-S. E	S.-Cu.	3	Ci.-S.	Cu. N
11..	E	E	WNW	W	W	Calm	20.6	53.1	96.6	10.8	181.1	10	A.-Cu. W	S.-Cu. E	4	A.-Cu. E	Cu. WNW
12..	W	SW	SW	WbyS	W	W	29.2	59.3	62.8	25.1	176.4	4	Ci.-S.	Cu. W	3	Ci.-S.	Cu. W
13..	WbyN	NbyW	Calm	W	NW	W	19.5	39.1	78.4	15.9	152.9	4	A.-Cu.	Cu. E	3	Ci.-S.	Cu.
14..	SW	S	SSW	WSW	SW	SW	31.4	73	76.7	11.8	192.9	4	A.-Cu. S	Cu. S	2	Ci.-S.	Cu.
15..	WSW	W	N	WNW	NbyW	N	20.1	90.1	148.1	88.5	346.8	5	Ci.-S.	Cu.-N. NW	2	Ci.-S.	Cu.
16..	NNW	WNW	ESE	WNW	NNW	SW	32.2	64.4	81.6	25.4	203.6	4	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu.
17..	ESE	S	SW	SW	Calm	Calm	65.2	72.4	78.4	14.8	230.8	8	Ci.-S.	S.-Cu. SSE	2	Ci.-S.	Cu.
18..	W	WNW	WNW	NNW	NW	NW	25.9	51.5	99.8	40.2	217.4	3	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu. NNW
19..	W	SSW	WbyN	NW	NNW	NW	24.7	44.5	128.7	54.1	252	4	Ci.-S.	Cu.	3	Ci.-S.	Cu.
20..	WNW	EbyS	WNW	WbyS	W	Calm	34.4	65.2	65	15.5	180.1	6	Ci.-S.	S.	4	Ci.-S. W	Cu.
21..	W	SW	WSW	WbyS	WNW	NW	21.7	39.4	63.9	17.4	142.4	9	A.-Cu.	Cu.-N. WSW	3	Ci.-S.	Cu.
22..	WNW	NW	WbyS	WSW	WNW	NW	16.9	41.8	64.9	37.5	161.1	8	A.-Cu.	Cu. SSW	3	Ci.-S. NW	Cu.- W
23..	NW	NNW	W	WbyS	NW	NW	23.9	37.8	74.8	21.4	157.9	10	Ci.-S.	S.-Cu. SSW	4	Ci.-S.	Cu. SW
24..	NW	NNW	WNW	WbyN	NW	NW	16.6	50.5	96.6	40.2	203.9	7	Ci.-S. SW	Cu.	4	Ci.-S.	Cu. W
25..	Calm	WSW	WbyS	WNW	NNW	NW	17.2	34.3	111	49.3	211.8	10	Ci.-S.	S.-Cu. SE	4	A.-Cu. WSW	Cu.
26..	NNW	WbyN	ENE	W	WNW	SSW	55.5	83.5	75	30	244	4	Ci.-S. W	Cu.	2	Ci.-S.	Cu. W
27..	ESE	S	SW	WNW	NW	NW	46.7	62.5	93.3	33.2	235.7	4	Ci.-S.	Cu. N	2	Ci.-S.	Cu.
28..	NW	NNW	NNW	NNW	NbyW	NW	19.3	60.2	147.3	71.6	298.4	8	A.-Cu.	Cu.-N. NW	5	Ci.-S.	Cu. N
29..	NW	SSE	SW	WSW	NW	WNW	37	54.7	78.9	11.3	181.9	5	Ci.-S.	Cu. N	3	Ci.-S.	Cu. SE
30..	SW	SSW	SW	W	NNW	NbyW	25.4	61.5	90.1	48	225	10	A.-Cu. SW	S.-Cu.	6	A.-Cu.	Cu. W
31..	SW	NNW	WNW	NNW	NNW	N	31.6	47.7	96.6	29.3	205.2	9	A.-Cu. W	S.-Cu. W	4	Ci.-S.	Cu. W
Mean	......	......	......	......	......	......	29.1	57.5	89.7	33.6	209.9	6.1	....	....	3.2	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	6,506.5	....	....	....	....	....	....

VIGAN

[ϕ=17° 34′ N; λ=120° 23′ E; barometer above sea, 12.2 meters; gravity correction not applied, −1.61 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.50	59.11	60.22	58.20	58.53	60.23	59.13	25.5	24.5	32	31.5	28	26.9	28.1	33.8	23.4	74	78	49	57	70	83	68.5	....
2..	59.47	60.21	61.09	59.42	59.12	60.38	59.95	25.4	25.2	31.9	31.4	29.1	27.1	28.4	33.3	23.5	87	82	58	60	67	80	72.3	....
3..	59.36	59.54	60.33	57.92	58.15	59.82	59.19	26.2	25.5	31.4	32.5	28.5	26.5	28.4	33.1	25	70	72	63	58	68	82	68.8	....
4..	58.65	58.78	59.80	58.18	58.08	59.77	58.88	25.3	24.3	30.5	31	29	27.3	27.9	32.7	23.1	80	82	62	56	66	75	70.2	....
5..	59.38	59.89	60.56	59.09	59.64	60.79	59.89	26.7	26	31.5	32.5	28.6	26.7	28.7	33.2	25.5	76	76	62	58	68	79	69.8	....
6..	59.52	60.01	60.98	59.25	59.22	60.07	59.84	25.2	24.5	31.9	31.9	29.5	28	28.5	32.8	23.7	83	83	57	57	61	67	68	....
7..	59.19	59.71	60.54	58.38	58.58	59.35	59.29	27.6	27.2	31.9	33.2	29.2	27.5	29.4	33.5	26.2	62	63	61	54	68	81	64.8	....
8..	58.21	58.67	59.54	57.72	57.77	59.10	58.50	25.9	25	31.8	31.6	29	26.9	28.4	32.7	24.6	85	83	61	59	71	81	73.3	....
9..	57.80	58.21	59.30	57.39	57.28	58.70	58.11	25.8	24.6	31.5	31.4	29	26.8	28.2	33	24	81	86	65	61	70	78	73.5	....
10..	57.19	57.49	58.55	56.81	57.23	59.03	57.72	25.3	24.6	33.3	31.3	29	27	28.4	33.6	24.1	83	87	52	64	70	80	72.7	....
11..	58.15	57.87	58.37	56.43	56.94	58.24	57.67	26.2	25	31.4	33.4	30.5	28.1	29.1	34.2	24.5	84	88	57	46	59	65	66.5	....
12..	57.44	57.53	59.08	56.56	56.61	58.57	57.63	26.8	25.5	32.5	33.5	31	29.1	29.7	34.4	25	72	79	55	52	63	74	65.8	....
13..	57.36	57.60	59.09	56.97	56.87	58.58	57.74	28.2	27	32.5	34	31.3	28.1	30.2	34.8	26.1	78	74	58	54	55	73	65.3	....
14..	57.99	57.90	59.94	57.60	57.80	59.50	58.46	26.8	26.5	30.8	33.4	31.1	28	29.4	34.3	25.9	75	73	67	42	69	74	66.7	....
15..	58.56	58.72	59.88	58.31	58.96	60	59.07	27	26	33	33.4	30	28	29.6	34.3	25.5	74	76	49	54	68	74	65.8	....
16..	59.41	59.52	60.42	58.41	58.24	59.19	59.20	26.7	25.5	32.1	33	29.9	27.5	29.1	33.4	24.8	77	78	52	48	63	76	65.7	....
17..	58.45	58.41	60.02	58.18	58.27	59.42	58.79	26.1	26	32.4	32.5	30	28	29.2	33.7	25.3	72	76	60	55	64	77	67.3	....
18..	58.20	58.37	59.64	57.46	57.48	59.42	58.43	26.4	25	31.9	33.6	30	28	29.2	34.7	24.3	80	83	58	57	65	74	69.5	....
19..	59.13	59.42	60.01	58.71	59.23	60.92	59.57	26.7	25.3	33.3	34	30.5	28.3	29.7	35.7	24.9	82	81	50	64	74	84	72.5	....
20..	59.87	59.95	61.04	59.44	59.46	60.64	60.07	27.3	26	32	33.5	30.4	28.1	29.6	33.9	25.3	87	80	72	64	74	84	76.8	....
21..	60	60.55	60.51	58.97	59.19	60.45	59.94	27	26.8	32.3	33	29.8	28.6	29.6	33.9	26.1	89	82	62	56	73	80	73.7	....
22..	59.90	59.75	60.36	58.58	58.54	60.49	59.60	26.4	26	32.5	32.5	29.5	27.9	29.1	33.6	25.4	79	72	61	63	72	78	70.8	....
23..	59.89	60.39	61.07	59.32	59.97	60.85	60.25	26.8	25.5	32.4	31.6	29.5	27.7	28.9	32.8	24.9	79	84	58	59	68	79	71.2	....
24..	60	60.59	61.02	59.46	59.83	60.95	60.31	26.1	26	32.5	32.6	29	28	29	34	25	83	77	58	54	71	77	70	....
25..	59.78	60.40	60.77	58.52	58.83	60.47	59.80	26.8	26	31.6	33.3	29.9	28.9	29.4	34.1	25.4	83	76	56	56	69	75	69.2	....
26..	59.32	59.36	60.24	58.18	58.60	59.57	59.21	28.4	26.5	32.4	32	29	27.5	29.3	33.5	26	79	80	60	60	73	76	71.3	....
27..	58.33	58.57	59.14	56.76	57.07	58.55	58.07	26.8	25.9	33	32.4	29.5	28.6	29.4	34.2	25.1	77	81	58	61	71	77	70.8	....
28..	57.33	57.91	58.79	56.46	57.18	59.04	57.78	28	27.5	33.5	34	30	28.4	30.2	35	27	82	77	53	56	65	77	68.3	....
29..	58.01	58.30	58.78	57.33	57.42	59.32	58.19	27.4	26.7	32.1	32.1	29.9	28.5	29.4	33.3	26.2	78	82	60	63	65	74	70.3	....
30..	58.41	58.80	59.34	57.60	57.18	58.57	58.32	27.9	27.4	33.5	33.8	30.1	28.5	30.2	34.8	26.6	81	74	54	60	68	78	69.2	....
Mean	58.76	59.05	59.95	58.05	58.24	59.67	58.95	26.6	25.8	32.2	32.7	29.7	27.8	29.1	33.8	25.1	79.1	78.8	58.3	56.9	67.6	77.1	69.6	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	ESE	SW	W	NNW	NW	24.4	49.3	91.4	34.4	199.5	3	A.-Cu. sw	Cu.	1	Ci.-S.	Cu.
2..	NW	Calm	WSW	NW	NW	NW	13.1	44	105.9	16.9	179.9	9	A.-Cu. sw	S.-Cu.	3	....	Cu. WNW
3..	W	SbyW	SSW	WbyS	NW	NW	39.9	62	71.3	22.2	195.4	6	Ci.-S. SW	Cu.	3	Ci.-S.	Cu. SSW
4..	NNW	NNW	W	NW	NW	NW	20.3	43.7	87.4	26.9	178.3	3	A.-Cu. SSE	Cu.	3	A.-Cu. SW	Cu.
5..	NW	W	SSW	WSW	NW	NW	20.1	63.6	88.5	42.3	214.5	9	A.-Cu. SSW	Cu.	6	Ci.-S.	Cu. SW
6..	Calm	NNW	WbyS	NW	NNW	SW	14.7	39.6	96.6	20.3	171.2	6	A.-Cu.WSW	Cu.	2	Ci.-S.	Cu.
7..	SE	SE	SW	SW	WNW	Calm	42.4	69.2	81.9	16.4	209.9	8	A.-Cu. sw	Cu. S	2	Ci.-S.	Cu.
8..	Calm	WbyN	WSW	W	NW	NW	9.9	59.2	80	33.8	182.9	3	Ci.-S.	Cu.	3	Ci.-S.	Cu. W
9..	NW	NW	WbyS	W	NW	NW	19.1	39.2	90.6	44.8	193.7	6	A.-Cu. sw	Cu.	2	Ci.-S.	Cu. W
10..	NNW	NNW	SW	NW	NNW	NW	35.7	46.9	114.5	59.5	256.6	7	Ci.-S. S	Cu.	3	Ci.-.S wsw	Cu. NW
11..	NNW	NNW	WNW	WSW	WbyN	ESE	23	51	60.9	59	193.9	7	Ci.-S. WSW	Cu.	3	Ci. WSW	Cu.
12..	ESE	E	WbyS	W	SSW	Calm	34	42.4	60.4	12.6	149.4	4	Ci.-S. W	Cu.	4	Ci.-S. W	Cu. S
13..	SW	S	W	W	SW	WbyN	18.7	47.7	66.8	27.2	160.4	3	Ci.-S.	Cu.	2	Ci.-S.	Cu.
14..	Calm	E	SW	W	NW	NW	18.2	57.1	85.6	31.6	192.5	6	A.-Cu. W	Cu.	1	A.-Cu.	Cu.
15..	NW	ENE	SW	W	NW	NW	25.7	48.3	83.2	44.3	201.5	2	Ci.-S.	Cu.	2	A.-Cu. SW	Cu.
16..	NNW	NNW	NW	WNW	NNW	NW	24.4	56	130	59	269.4	3	Ci.-S.	Cu.	3	Ci.-S.	Cu.
17..	NW	WNW	SW	W	NNW	NW	21.9	59	115.9	61.8	258.6	2	Ci.-S.	Cu.	2	A.-Cu. N	Cu.
18..	NNW	N	SSW	SW	NW	NW	28.8	60.7	77.2	42.8	209.5	3	Ci.-S.	Cu.	2	Ci.-S.	Cu.
19..	NW	NbyW	W	W	WNW	NNW	48.1	51.8	70.8	56.1	226.8	3	Ci.-S.	Cu.	3	Ci.-S. SW	Cu.
20..	NNW	NNW	SW	WbyS	WSW	Calm	25.5	74.8	66	7.5	173.8	4	A.-Cu. E	Cu.	3	Ci.-S.	Cu. S
21..	SW	SSW	WSW	SW	WbyN	NW	27.2	66.6	81.5	23.9	199.2	4	Ci.-S.	Cu. S	2	Ci.-S.	Cu.
22..	NW	ENE	SW	WSW	WbyN	NW	28.4	67.4	82.9	31.1	209.8	5	Ci.-S.	Cu. S	3	Ci.-S.	Cu. W
23..	NNW	NNW	NbyW	NNW	NNW	NW	29.5	73.8	152.9	46.7	302.9	4	A.-Cu. NE	Cu.	3	Ci.-S.	Cu.
24..	NNW	NbyE	SW	WbyN	NW	NW	19.8	60.7	95	37.3	212.8	5	A.-Cu. E	Cu.	2	Ci.-S.	Cu. WSW
25..	NNW	NE	SSW	SW	W	WbyN	26.6	69.7	71.1	25.5	192.9	3	Ci.-S.	Cu.	2	Ci.-S.	Cu. SSW
26..	WbyN	WbyN	W	WbyN	NNW	NW	14	49.7	118.6	73.4	255.7	3	Ci.-S.	Cu.	2	Ci.-S.	Cu.
27..	N	Calm	SW	WbyN	NW	NW	13.7	54.7	78.3	36.7	183.4	3	Ci.-S.	Cu.	2	A.-Cu. SW	Cu.
28..	NW	NW	SW	WSW	NW	NW	20.3	53.1	82.9	33.3	189.6	9	A.-Cu. SE	S.-Cu.	2	Ci.-S.	Cu.
29..	NNW	NNW	W	NbyW	NW	NW	20.9	58.4	128.7	56.3	264.3	4	A.-Cu. S	Cu.	3	Ci.-S.	Cu. NNW
30..	Calm	NNW	SSW	W	NW	NW	16.1	53.1	90.4	31.2	190.8	7	Ci.-S. E	Cu.	4	A.-Cu. NW	Cu.
Mean	......	......	......	......	......	......	24.1	55.8	90.2	37.2	207.3	4.8	....	....	2.6	....	....
Total	......	......	......	......	......	......	......	......	......	.....	6,219.1	....	....	....	....	....	....

VIGAN

[ϕ=17° 34′ N; λ=120° 23′ E; barometer above sea, 12.2 meters; gravity correction not applied, −1.61 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct*	*P.ct.*	*mm.*
1..	58.20	58.23	58.76	57.35	57.91	59.30	58.29	27.5	27.6	32.5	33.7	30.1	29	30.1	34.3	26.6	84	79	58	53	71	78	70.5	....
2..	58.96	59.13	59.18	57.56	57.79	59.81	58.74	27.8	26.5	33	33	29.9	28.5	29.8	33.9	25.9	79	80	57	47	62	64	64.8	....
3..	58.63	59.16	59.67	57.57	57.91	59.17	58.68	26.4	25.1	32.5	33	30.5	29.3	29.5	35.6	24.5	67	75	49	50	65	55	60.2	....
4..	58.54	59.20	59.87	58.23	58.34	59.58	58.96	28	27.3	32.7	31.9	30.4	29.6	30	34.7	26.9	61	74	57	59	56	58	60.8	....
5..	58.72	59.85	60.69	59.20	59.43	60.22	59.68	29.2	28	33.4	33	27.5	27.5	29.8	34.7	26.7	59	66	50	55	70	73	62.2	....
6..	59.44	59.76	60.51	58.97	58.74	59.64	59.51	27.1	26.9	33.5	33.9	29.9	28.5	30	34.8	26	77	77	56	59	72	81	70.3	....
7..	58.75	59.45	59.77	57.97	58.13	58.92	58.83	27.4	26.5	33	33.5	30.5	28.5	29.9	34.2	25.7	77	76	58	56	68	75	68.3	....
8..	57.60	58.10	59.14	57.96	58.78	59.41	58.50	26.9	26.5	32.4	33.5	25.5	26.1	28.5	34.6	25	77	76	62	56	84	83	73	4.6
9..	58.14	58.56	59.42	57.81	57.63	58.99	58.42	25.8	25.5	31.9	33.5	30.6	28.6	29.3	34	24.5	81	80	62	55	66	76	70	....
10..	57.70	57.95	58.89	56.97	57.21	57.86	57.76	27.1	26.5	32.9	33.5	30.6	26.5	29.5	34.7	25.4	78	76	65	58	74	82	72.2	3.6
11..	56.64	57.48	58	56.13	56.74	58.33	57.22	25.8	26	32	33.6	30	28	29.2	34.5	24.9	83	83	69	66	78	77	76	....
12..	56.70	56.91	58.43	56.21	56.48	58.44	57.20	27	26	32.7	33.5	30	29	29.7	34.7	25.1	76	80	62	67	75	79	73.2	....
13..	57.16	57.39	57.72	56.30	57.39	59.05	57.50	27.6	27	35.5	33.5	30.1	26.4	30	36.2	24.3	79	80	52	56	69	77	68.8	8.6
14..	57.22	57.06	57.85	56.33	56.33	57.68	57.08	25.7	25.5	31.3	32.6	30	28.3	28.9	33.7	24.7	87	84	64	59	71	81	74.3	....
15..	56.60	56.72	57.47	56.36	56.14	57.44	56.79	27.1	26.5	33.2	33	29.9	28.4	29.7	34.5	25.7	78	80	58	64	79	82	73.5	....
16..	56.01	56.05	56.73	55.75	56.06	57.47	56.34	26.7	26.5	33.7	33.4	30.1	28.6	29.8	34.8	25.5	83	81	60	68	71	76	73.2	....
17..	55.90	56.04	56.77	55.53	56.22	58.17	56.44	27	27	31	31	28.5	25.5	28.3	34.5	24.4	80	78	69	72	88	91	79.7	4.5
18..	55.33	55.52	56.38	54.62	55.31	56.66	55.64	25.4	25.8	32.2	32.8	30.1	27.1	28.9	33.8	24.4	84	81	69	68	77	80	76.5	11.7
19..	56.01	55.50	56.80	56.21	57.18	57.40	56.52	25.3	25.5	26.9	26.6	25.3	25.1	25.8	27	24.1	87	87	84	91	93	83	87.5	15.2
20..	56.60	56.64	57.47	55.28	57.43	58.25	56.94	25.2	26.4	31.4	32.1	28.9	26	28.3	33.6	24.4	86	80	63	69	78	91	77.8	31.6
21..	58.15	57.99	58.69	57.69	58.24	59.36	58.35	24.5	25.8	29.9	33	30.9	28.5	28.8	33.6	23.6	94	89	69	67	75	85	79.8	....
22..	58.55	58.24	59.08	56.98	57.83	58.83	58.25	27.3	27	33.5	32	30.4	28.1	29.7	35	25.9	86	83	56	66	72	77	73.3	....
23..	57.70	58.44	59.10	56.74	57.48	58.88	58.06	26.9	27	30.9	33	30.4	28.5	29.4	33.8	25.9	81	80	72	59	68	80	73.3	.5
24..	57.54	57.81	58.63	57.38	57.70	58.35	57.90	27.8	27	32.6	30.5	30	28.4	29.4	34.8	25.6	69	81	57	72	71	82	72	....
25..	57.44	58.23	59.06	57.43	57.72	58.75	58.10	26.8	27.5	26.9	29	28.9	27.6	27.8	31.2	25.7	80	76	91	80	75	84	81	5.6
26..	57.76	57.04	57.90	56.11	56.38	57.25	57.07	27.4	27.2	33	32.3	30.4	28.4	29.8	33.3	25.5	82	81	61	60	72	78	72.3	....
27..	56.38	56.26	56.43	54.89	54.77	56.15	55.81	26.4	25.6	30.1	32.5	30.2	27.5	28.7	33.2	25.5	86	91	78	62	71	75	77.2	....
28..	55.21	55.37	56.59	55.60	54.50	56.61	55.65	26.7	26.1	33	31.7	28.4	27.3	28.9	33.2	25.1	79	82	58	62	69	81	71.8	....
29..	55.79	55.98	57.13	55.75	55.90	57.50	56.34	26.5	25.6	30.4	32.6	30.4	28.2	29	32.8	25.2	79	79	61	57	66	67	68.2	....
30..	56.53	56.97	57.02	56.33	56.78	58.70	57.06	26.5	25.8	30.1	32.6	30.5	27.4	28.8	33.8	25.5	78	86	71	63	70	82	75	....
31..	58.28	58.09	57.89	56.77	56.78	58.14	57.66	26.6	26	32.8	32.5	31	27	29.3	33.1	25.6	85	87	56	60	71	75	72.3	....
Mean	57.36	57.58	58.29	56.77	57.14	58.40	57.59	26.8	26.4	32	32.5	29.7	27.8	29.2	33.9	25.3	79.4	80.3	63	62.5	72.5	77.7	72.5	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SW	SSE	SW	SW	WbyN	NW	25.7	97.2	95	34.9	252.8	4	Ci.-S.	Cu. SSE	2	Ci.-S.	Cu.
2..	NbyW	NbyW	WbyN	NNW	NNW	NW	17.2	65.4	207.6	127.1	417.3	6	A.-Cu. N	Cu.	3	Ci.-S.	Cu.
3..	NW	NW	WNW	NNW	WNW	E	37	74	104.3	39.7	255	7	Ci.-S. W	Cu.	2	Ci.-S.	Cu.
4..	SE	SE	NW	NW	NW	E	41.6	48.5	93.6	35.4	219.1	9	A.-Cu. E	S.-Cu.	7	A.-Cu. ESE	Cu.
5..	E	ESE	W	W	N	N	49.6	64.1	100.6	25.2	239.5	2	A.-Cu. SE	Cu.	2	A.-Cu. E	Cu.
6..	E	ESE	SW	WSW	NW	NW	50.7	76.4	88.7	40	255.8	2	Ci.-S.	Cu.	2	Ci.-S.	Cu.
7..	E	ESE	SW	W	NW	NbyW	41.2	71	85.3	39.9	237.4	4	Ci.-S. SW	Cu.	4	Ci.-S.	Cu.
8..	NbyW	EbyS	SSW	WbyN	SSW	EbyN	31.4	70.8	95	41.2	238.4	6	Ci.-S. W	Cu.	4	Ci.-S. NW	Cu.
9..	SE	ESE	SSW	SW	WNW	NNW	40.4	63	74.2	25.1	202.7	3	Ci.-S.	Cu.	4	Ci.-S. NW	Cu.
10..	NNW	ESE	SSW	WSW	WbyN	E	30.9	80.7	69.8	51.5	232.9	6	Ci.-S. NW	Cu.	5	A.-Cu. W	Cu.
11..	E	ESE	SSW	SW	W	E	50.9	59.8	74.3	35.1	220.1	8	Ci.-S. NW	Cu.	8	Ci.-S. N	Cu.
12..	E	E	SW	SW	WNW	WNW	48.1	67	74.6	21.2	210.9	7	Ci.-S. N	Cu.	9	Ci.-S.	Cu. SW
13..	EbyN	EbyN	WSW	WNW	NW	SE	26	54.2	88.5	60	228.7	9	A.-Cu. W	Cu.	7	Ci.-S. W	Cu.
14..	E	ESE	SW	WbyN	WNW	Calm	44.9	51.7	65.7	12.9	175.2	5	A.-Cu. SW	S.-Cu.	7	Ci.-S. NE	Cu.
15..	NW	E	SW	W	WbyN	WbyN	33.2	57.6	79.4	19.3	189.5	5	Ci.-S. W	Cu.	6	Ci.-S. NW	Cu.
16..	NW	ESE	SW	SW	W	E	34.4	53.6	77.2	18.5	183.7	7	A.-Cu. WSW	Cu.	7	A.-Cu. W	Cu. SW
17..	E	E	SSW	SW	W	SE	51.8	84.2	73.4	42	251.4	4	A.-Cu. W	Cu.	9	Ci.-S. NW	Cu.-N.
18..	E	ESE	SbyW	SW	SW	E	73.5	85.9	97.2	54.5	311.1	10	A.-Cu. W	Cu.	9	A.-Cu. WSW	Cu.
19..	SE	E	E	NNW,	SSW	SSE	40	49.6	65.5	53.3	208.4	10	Ci.-S. W	S.-Cu. SW	10	Ci.-S.	N. SW
20..	SSW	SSW	SSW	SSW	SW	SW	38	72.1	127.1	54.1	291.3	10	A.-Cu. NW	S.-Cu. WSW	9	A.-Cu. WSW	Cu.
21..	S	S	SW	SW	SW	SW	32.8	36.2	48.5	14.2	131.7	8	A.-Cu. WSW	S.-Cu. SW	5	A.-Cu.	Cu. WSW
22..	SW	SE	WbyN	WNW	NW	NW	23.9	32.5	76.4	14.8	147.6	7	A.-Cu. W	Cu.	5	A.-Cu.	Cu. NE
23..	NW	ESE	W	NW	WNW	WbyN	29.5	34.6	66.5	23.8	154.4	7	A.-Cu. W	Cu.-N.	7	Ci.-S. NE	Cu.
24..	WNW	NNE	WSW	WNW	NW	Calm	23.3	40	63.6	9.7	136.6	8	A.-Cu. W	Cu.	8	....	Cu.-N. SW
25..	NW	N	Calm	W	W	Calm	24.9	21.7	26	13.7	86.3	8	....	Cu.-N. NW	7	Ci.-S.	Cu.-N.
26..	SE	SE	SW	SW	WSW	E	20.7	42.4	66	29.5	158.6	6	A.-Cu. W	Cu.	6	Ci.	Cu. W
27..	E	ENE	SW	WNW	W	SE	33.3	41.8	64.4	48.6	188.1	8	Ci.	Cu.-N. NE	7	Ci.	Cu.
28..	SE	ESE	E	SW	E	S	45.7	52.1	62.8	29	189.6	6	Ci.	S.-Cu. N	6	Ci.	Cu.-N. S
29..	E	ESE	SW	W	NW	SE	37.5	28.8	34.6	40.4	141.3	7	Ci. W	S.-Cu.	7	Ci.-S.	Cu.-N. N
30..	S	SE	NW	NW	Calm	NW	14.2	42.4	91.4	38	186	8	Ci. NE	S.-Cu. N	6	Ci.	Cu.-N. N
31..	Calm	NNW	NW	NW	NW	NE	34.1	61.8	87.7	53.4	237	8	....	S.-Cu. NW	6	A.-Cu. W	Cu.-N.
Mean	......	......	......	......	......	......	36.3	57.5	81.4	37	212.2	6.6	....	....	6	....	....
Total	......	......	......	......	......	......	......	......	......	......	6,578.4	....	....	....	....	....	....

NOTE.—The maximum temperatures for May 25 to 31, are taken from a self-recording instrument.

VIGAN

[ϕ=17° 34′ N; λ=120° 23′ E; barometer above sea, 12.2 meters; gravity correction not applied, —1.61 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.70	58.46	59.34	57.06	57.08	58.73	58.06	26.8	26.7	32.5	33.2	30.7	28.5	29.7	35.2	25.6	75	75	63	56	68	77	69	....
2..	56.30	57.08	57.14	56.20	56.64	58.08	56.91	26.9	26.4	32.2	32.6	29.8	27	29.2	34.2	25.2	76	75	61	64	70	80	71	....
3..	57.14	56.80	56.82	55.46	56	57.64	56.64	26.4	25.7	33	31.3	29.6	25.6	28.6	34.5	24.7	80	78	58	65	77	88	74.3	11.7
4..	56.54	56.45	56.82	55.86	56.02	57.44	56.52	25.7	25.8	32.5	34	30	27.9	29.3	34.3	25.1	87	85	58	56	71	82	73.2	....
5..	56.80	57.45	57.74	56.71	56.73	58.99	57.40	27.8	27	32.3	34	30.8	25	29.5	34.7	24.3	82	83	62	53	69	88	72.8	11.4
6..	58.36	58.17	58.29	56.77	57.62	59.35	58.09	25.2	26	32.4	34.4	31.1	28.4	29.6	34.6	24.4	89	87	64	57	67	77	73.5	....
7..	58.48	58.90	58.84	56.86	56.90	58.75	58.12	27.4	27.3	33.5	34.2	31.3	29	30.4	34.4	25.9	78	79	58	55	70	71	68.5	....
8..	57.40	57.80	58.33	56.22	57.05	57.96	57.46	27.6	27.1	33.7	33.5	25.5	26	28.9	34.9	23.2	76	80	61	61	90	87	75.8	35.3
9..	55.77	55.99	55.92	54.12	53.91	54.45	55.03	26	25.9	32	30.9	27.1	27.9	28.3	33.5	24.7	87	88	63	69	87	89	80.5	7.9
10..	52.81	52.74	52.62	50.86	50.86	52.25	52.02	27.6	27	32	33.3	31.2	28.4	29.9	33.7	25.9	92	91	70	65	73	84	79.2	....
11..	51.53	51.22	51.96	51.07	51.44	54	51.87	27.8	27.5	33.2	31.1	29.4	28.8	29.6	34.4	26.7	87	84	60	65	68	65	71.5	....
12..	52.43	52.11	53.31	51.95	52.89	54.93	52.94	28.2	27.9	32.5	32.4	30.3	29.1	30.1	33.3	25.9	73	71	58	58	67	68	65.8	....
13..	54.01	53.12	54.57	53.59	53.69	55.67	54.11	28.9	27.7	32.6	32.5	29.9	28.7	30	33.4	26.5	69	76	60	58	75	76	69	4.8
14..	54.46	53.90	54.64	54.40	54.34	56.49	54.70	27.8	27.5	31.4	29.5	28.5	26.4	28.5	32.6	25.5	81	75	63	75	78	89	76.8	4.6
15..	55.41	55.49	55.87	55.96	55.35	56.29	55.73	26.5	27.6	30.4	26.5	27.5	28	27.8	32.4	25.5	88	81	66	87	84	74	80	8.9
16..	56.28	56.57	57.58	56.81	55.66	57.86	56.79	26.9	26.6	29	28.1	28	26.9	27.6	30	25.6	74	83	76	77	70	77	76.2	.3
17..	56.46	56.21	58.47	56.32	55.94	56.99	56.73	26.4	26.4	26.6	30.9	28.9	27.8	27.8	31.8	24.9	76	81	90	65	75	78	77.5	4.6
18..	55.95	56.36	57.10	55.84	55.86	56.61	56.29	26.5	26.4	31.6	31.5	27.9	26.9	28.5	33	25.5	81	81	60	66	74	77	73.2	....
19..	56.11	56.30	56.19	54.94	55.60	57.09	56.04	26.3	25.9	33.1	33.9	29.6	28	29.5	34.1	25	79	80	53	59	74	83	71.3	1
20..	55.92	56.26	56.87	55.48	56.21	57.60	56.39	26.2	25.6	31	32	27.5	25.5	28	32.5	24.3	90	84	66	63	88	92	80.5	66.3
21..	56.77	56.85	57.38	56.15	56.58	58.63	57.06	25.2	25.1	30	31	29	27.8	28	32	24	92	88	71	63	74	77	77.5	10.7
22..	57.46	57.60	57.59	57.12	57.17	57.95	57.48	26.5	26.4	31	32	29.6	27.3	28.8	32.5	24.5	82	81	62	64	77	76	73.7	....
23..	56.60	56.99	57.87	57.09	57.25	57.99	57.30	26.5	26	31.4	31.8	30	28	29	33	25.2	80	80	63	64	72	81	73.3	.3
24..	56.89	56.91	57.69	56.57	56.24	57.42	56.95	26.8	26.7	31.4	33	29.6	28.6	29.4	33.4	25.8	83	83	63	61	74	83	74.5	....
25..	56	56.32	56.70	55.04	54.99	55.99	55.84	27	26.6	31.5	31.5	29.1	25.8	28.6	33	24.7	83	83	66	66	76	87	76.8	30
26..	54.32	54.32	55.35	53.47	53.17	55.57	54.37	25.3	25	31.1	31.4	27.3	25.1	27.5	32.5	24.2	86	83	65	66	90	91	80.2	3.6
27..	54.64	54.57	55.13	53.82	54.03	56.78	54.83	24.4	25.1	30.5	33	29.5	28.5	28.5	33.5	23.7	92	87	65	60	74	74	75.3	....
28..	56.73	57.11	57.85	57.18	57.76	59.64	57.71	27.1	26.5	32.8	34.1	30	28.9	29.9	34.5	25.2	80	80	54	56	71	78	69.8	....
29..	59.64	59.94	59.29	57.69	57.62	59.34	58.92	26	25.4	31.5	32.1	29.5	26.9	28.6	33.3	24	82	88	68	60	77	85	76.7	....
30..	57.95	57.86	57.30	55.48	54.74	55.58	56.48	26.3	25.6	31.4	32.1	29.2	28	28.8	33.1	25	87	90	65	66	76	80	77.3	....
Mean	56.10	56.20	56.69	55.40	55.51	57.07	56.16	26.7	26.4	31.7	32.1	29.2	27.5	28.9	33.4	25	82.2	82	63.7	63.3	75.2	80.5	74.5	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	201.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	ESE	SW	W	NW	Calm	48.8	57.9	80.5	33.2	220.4	5	A.-Cu. NW	Cu.	6	Ci. E	Cu.
2..	S	SSE	SE	WSW	N	W	22.7	50.4	66.8	37.6	177.5	4	Ci.	S.	8	Ci.	Cu.-N. SW
3..	NW	ENE	W	NW	Calm	SE	30.8	38.6	78.9	39.9	188.2	2	....	Cu.	8	....	Cu.-N. N
4..	SE	ENE	SW	SW	WbyS	E	36.7	39.2	60	34.3	170.2	8	A.-Cu. E	Cu. SE	5	....	Cu. W
5..	E	EbyS	WSW	SW	WbyN	SSW	37	44.1	71.4	47.5	200	7	A.-Cu. S	Cu.	3	Ci.-S.	Cu. SW
6..	Calm	ESE	WSW	WSW	WNW	NW	19.9	40.5	58.7	30.6	149.7	6	Ci.-S. S	Cu.	3	Ci.-S. E	Cu.
7..	NW	NbyW	W	WNW	NNW	N	34.1	44.8	89.1	30.3	198.3	4	Ci.-S. SE	Cu. ENE	4	Ci.-S.	Cu. NE
8..	E	E	SW	WSW	SW	SSW	50.5	63.4	75.6	40.5	230	2	Ci.-S.	Cu.	5	A.-Cu.	Cu. W
9..	SSW	EbyS	SW	WNW	Calm	SW	28	44.1	59.5	24.9	156.5	4	Ci.-S.	Cu. NE	8	....	S.-Cu. NE
10..	SW	WSW	WNW	NW	SW	SSW	17.9	40.8	69.8	49.9	178.4	7	A.-Cu. E	Cu.	7	Ci.-S.	Cu. NNE
11..	WbyS	NW	EbyS	SSW	SbyW	S	23.5	41.8	167.6	155.1	388	9	Ci.-S.	S.-Cu. SE	10	Ci.-S.	S.-Cu. SSE
12..	SSE	SbyW	SSW	SW	SW	SW	67.6	180.8	186.6	138.4	573.4	5	A.-Cu. S	Cu. S	3	A.-Cu. ssw	Cu.
13..	SSW	SbyE	SW	SW	SW	SW	80.5	141.6	146.4	123.9	492.4	9	Ci.-S.	Cu. S	6	A.-Cu. S	Cu.
14..	S	SSW	SSW	SW	SbyE	SW	59.2	113	151.3	83.9	407.4	9	Ci.-S. NE	Cu.	10	Ci.-S.	S.-Cu.SSW
15..	SSW	SSW	SbyW	SSW	SSW	SbyW	70.6	133.6	119.1	68.9	392.2	8	A.-Cu.	S.-Cu. ssw	10	Ci.-S.	S.-Cu. SW
16..	SSW	SSW	SW	S	SSW	SSW	45.4	122.3	145.6	81.8	395.1	10	A.-Cu.	Cu.-N. ssw	10	Ci.-S.	S.-Cu.SSW
17..	SSE	SbyW	SWbyW	SW	SW	SW	44.5	119.3	108.4	62.2	334.4	3	A.-Cu.ssw	Cu. SSW	5	A.-Cu. S	Cu.
18..	S	SSW	SSW	SW	S	SE	42.4	78.3	119.1	48.9	288.7	7	A.-Cu.	Cu. SW	5	A.-Cu.	Cu. SSW
19..	SE	SE	SW	WSW	W	S	54.1	56.3	64.4	23.5	198.3	6	Ci.-S.	Cu.	4	Ci.-S.	Cu. WSW
20..	SSW	SE	SW	WSW	Calm	ESE	38.6	55.2	64.6	30.6	189	10	Ci.-S. NE	Cu.	7	A.-Cu.	Cu. W
21..	SW	SSW	SW	SSW	Calm	SW	17.2	76.1	83.1	76.4	252.8	4	A.-Cu. SE	Cu.	4	A.-Cu. E	Cu. SSW
22..	SSW	SSW	SSW	SSW	SSW	SSE	36.4	84.2	93.3	61.2	275.1	6	Ci.-S.	Cu. SSW	7	Ci.-S.	S.-Cu. S
23..	SE	ESE	S	SW	SSW	SSW	39.1	88	84.5	57.9	269.5	2	Ci.-S.	Cu.	10	A.-Cu.	S.-Cu. ssw
24..	SSW	SSW	SSW	SW	SW	SSW	38.4	83.1	90.4	43.1	255	5	Ci.-S. E	Cu.	4	Ci.-S. E	Cu. SSW
25..	S	S	SSW	SW	SW	SE	38.6	83.7	80.2	52.1	254.6	8	A.-Cu.	Cu. S	7	Ci.-S.	Cu. SW
26..	SE	ESE	SSW	SW	N	SSW	44.8	56.3	49.6	52.6	203.3	8	Ci.-S. E	Cu.	9	Ci.-S.	Cu.-N. SW
27..	SSW	SW	SW	SW	SSW	SSW	41	70.8	99	117	327.8	3	Ci.-S.	Cu.	3	....	Cu. SSW
28..	Calm	SE	WSW	SW	Calm	WbyS	29	46.4	68.4	18.8	162.6	2	Ci.-S. ESE	Cu.	2	Ci.-S.	Cu. SSW
29..	W	WNW	W	WbyS	WbyN	SW	43.8	42.1	66.3	24.9	177.1	8	A.-Cu.	S.-Cu. ENE	3	A.-Cu. NNE	Cu.
30..	NW	NbyW	NNW	NNW	NNW	NW	20.7	49.6	118.5	38.9	227.7	4	Ci.-S. N	Cu.	6	Ci.-S.	Cu. NNE
Mean	......	......	......	......	......	......	40.1	72.9	93.9	57.6	264.5	5.8	....	....	6.1	....	....
Total	......	......	......	......	......	......	......	......	......	......	7,933.6	....	....	....	....	....	....

VIGAN

[φ=17° 34′ N; λ=120° 23′ E; barometer above sea, 12.2 meters; gravity correction not applied, —1.61 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	54.75	54.84	54.02	53.13	52.58	53.68	53.83	26.8	25.5	31.5	31	29	28	28.6	32.7	25	85	88	59	67	74	78	75.2	8.7
2..	52.30	51.60	51.49	52.94	54.10	55.22	52.94	27.8	27.3	26.1	22.5	23.2	22.6	24.9	28.4	21.5	80	85	91	91	94	95	89.3	163.9
3..	55.21	55.32	57.04	56.73	56.43	57.56	56.38	22.8	23.4	22.6	24	24.1	25.2	23.7	26.2	21	90	80	94	91	86	76	86.2	25.4
4..	57.91	57.56	58.78	58.52	58.74	59.71	58.54	26.2	27	29.6	30.5	26.9	26.3	27.8	31.8	24.4	71	70	67	63	77	74	70.3	....
5..	58.87	59.42	60.03	58.32	57.99	58.84	58.91	25	24.9	28	31.5	29	27.3	27.6	32	24	79	76	77	66	74	68	73.3	2.3
6..	58.45	58.55	59.02	58.30	58.70	60	58.84	25.3	24.7	32	32	29	25.6	28.1	33.4	24	80	79	54	60	81	79	72.2	....
7..	59.30	59.59	60.55	59.42	59.24	60.04	59.69	25.1	24.5	31.4	31.5	29	27	28.1	32.9	23.5	81	82	63	63	77	86	75.3	....
8..	59.48	59.83	60.62	59.79	59.33	60.34	59.90	25.5	25	31.5	32	29.1	27.1	28.4	33.2	23.9	84	83	60	63	70	83	73.8	....
9..	59.11	59.37	59.87	58.25	58.07	59.40	59.01	26.5	25.6	32.5	31.7	29	27.2	28.8	33.5	24.6	85	87	60	62	71	83	74.7	....
10..	57.73	57.57	58.83	57.46	57.06	58.20	57.81	25.5	25.5	32.6	33.5	30.5	28	29.3	33.8	24.5	80	80	56	58	72	84	71.7	....
11..	57.80	57.90	58.85	57.61	57.65	59.58	58.23	26.5	25.9	32	33.1	30	27.5	29.2	33.6	24.9	84	84	54	58	71	83	72.3	....
12..	58.74	58.90	59.62	58.61	58.58	59.50	58.99	26	25	31.9	33.6	29.5	27.5	28.9	33.8	24	80	80	55	55	71	82	70.5	....
13..	59.02	59.25	59.33	58.09	58.08	59.21	58.83	25.9	25.2	32.1	31.8	28.8	27	28.5	32.5	24.4	86	87	66	64	79	80	77	....
14..	58.47	58.65	59.10	57.44	57.12	58.10	58.15	25.9	25.3	31.5	32.5	30	27.5	28.8	33	24.2	85	85	61	63	71	81	74.3	....
15..	57.35	57.54	57.72	56.92	56.67	57.85	57.34	26.3	26	30.9	32.5	29.8	27.4	28.8	33.5	25.2	86	87	64	58	72	81	74.7	....
16..	56.98	57.26	58.05	56.61	56.69	57.44	57.17	25.6	25	31.6	32.4	29.9	27	28.6	33.5	24	84	83	59	58	65	80	71.5	....
17..	57.15	57.80	58.47	57.28	57	58.20	57.65	25.6	25	31.5	32.2	29.7	26.7	28.4	33	24	84	85	63	59	67	80	73	....
18..	57.14	57.68	58.18	56.84	56.47	57.69	57.33	25.6	25	32	32.2	30.5	28.1	28.9	33.5	24	82	84	58	56	65	77	70.3	....
19..	56.81	56.79	57.09	56.19	56.09	56.25	56.54	26.4	26	32.6	33.9	30.4	27.7	29.5	34.6	25.5	79	76	58	59	76	82	71.7	.3
20..	55.65	56.17	56.18	56.15	56.14	56.25	56.09	27.5	26.5	32.4	30	28.6	27.2	28.7	34	25.6	81	83	61	71	78	83	76.2	....
21..	55.72	55.90	56.22	54.94	54.70	55.84	55.55	26.3	25.9	31.5	32	30	28.5	29	33	25	84	85	69	66	77	81	77	....
22..	55.08	55.57	56.14	54.53	54.70	56.86	55.48	27.4	26.5	32.8	33.3	26.4	25.6	28.7	34.5	24.5	83	84	56	59	89	92	77.2	48.5
23..	55.56	55.66	56.28	54.83	54.58	56.06	55.50	25.3	24.4	30.1	29.7	28.5	27	27.5	31.9	23.6	88	91	68	72	80	86	80.8	....
24..	54.63	54.67	54.72	53.25	53.31	55.07	54.28	26.2	25.5	31.5	30	26.5	24.5	27.4	32.4	23.4	85	87	66	75	92	91	82.7	49.6
25..	54.37	54.25	55.09	53.92	54.03	55.37	54.50	24.4	24.3	30.4	32	27	26	27.4	33	23.5	91	92	72	63	89	89	82.7	9.7
26..	54.44	53.92	54.49	53.10	52.70	54.06	53.78	25.6	25.4	30	30.6	29	25.6	27.7	31.3	24.5	90	88	69	69	78	87	80.2	1.6
27..	52.79	52.27	52.45	51.03	51.87	52.60	52.17	25.3	25.3	32	32	26.6	26.5	28	33.9	24.3	91	89	66	66	83	87	80.3	19
28..	52.15	52.12	53.14	52.11	52.20	53.31	52.50	25.8	25.5	27.2	30.5	28.5	25.4	27.2	31.1	23.8	90	92	83	68	74	93	83.3	35.3
29..	52.35	52.38	53.25	52.98	51.97	53.30	52.70	24.9	24.4	24.5	24	25.4	25.2	24.7	25.7	23.2	91	92	95	91	88	92	91.5	89.9
30..	51.66	51.66	52.46	50.92	51.52	52.81	51.84	25.2	25	26.5	26.1	25.5	24.6	25.5	27.9	23.2	89	91	84	88	94	95	90.2	116.9
31..	51.28	51.96	51.50	50.30	50.25	52.10	51.23	24.6	24.5	25.5	26.2	27	25.6	25.6	28.4	23.1	89	94	88	90	87	91	89.8	33.5
Mean	56.07	56.19	56.73	55.69	55.63	56.79	56.18	25.8	25.3	30.3	30.7	28.3	26.5	27.8	32.1	24	84.4	84.8	67.6	67.5	78.1	83.8	77.7	....
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	604.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	WNW	NNW	NW	NW	WNW	12.6	65	142.6	92.3	312.5	10	Ci.-S. E	Cu.	10	Ci.	Cu. N
2..	W	WbyN	SW	SSW	SW	SW	115.1	123.1	105.1	87.1	430.4	10	Ci.-S.	Cu.-N. NW	10	Ci.-S.	Fr.-N. SW
3..	SW	SSE	NE	ESE	SSW	SSW	79.9	91.7	69.8	97.6	339	10	Ci.-S.	S.-Cu. SSW	10	Ci.-S.	Cu.-N. SSW
4..	SSW	SSW	SSW	SSW	SSW	SSW	144.8	103	115.6	40.7	404.1	10	Ci.-S.	S.-Cu. SW	7	A.-Cu. SW	Cu.
5..	SSW	ESE	SW	SW	WSW	ESE	44.9	62.8	51.8	33	192.5	10	A.-Cu. NE	S.-Cu.	10	Ci.-S. N	S.-Cu.
6..	E	E	WbyN	WNW	Calm	E	52.9	42.4	58.5	54.1	207.9	3	Ci.-S. E	Cu.	4	Ci.-S. E	Cu.
7..	E	EbyN	Calm	WbyN	WNW	NW	47.3	38.9	54.1	25.1	165.4	9	A.-Cu. E	Cu.	9	A.-Cu. E	Cu.
8..	NW	NE	SSW	WNW	NNW	NW	32.2	51.8	73.5	23	180.5	2	A.-Cu. SSW	Cu.	4	....	Cu. S
9..	NW	NNW	SW	NNW	NNW	Calm	20.3	35.4	83.5	23.3	162.5	1	Ci.-S.	Cu.	6	Ci.-S. SE	Cu. NNW
10..	ESE	ESE	Calm	WSW	WSW	WSW	48.3	44.5	54.1	18.3	165.2	1	Ci.-S.	Cu.	4	Ci.-S.	Cu. SW
11..	ESE	ESE	SSW	SW	WbyS	WSW	39.2	66.6	56.1	16.9	178.8	1	....	Cu.	4	....	Cu. SW
12..	EbyS	E	W	W	WNW	NW	41.6	44	54.2	19.3	159.1	1	A.-Cu.	Cu.	2	Ci.-S.	Cu.
13..	NW	NNW	WNW	NW	NW	Calm	20.1	52.8	98.7	20.7	192.3	3	Ci.-S.	Cu.	4	Ci.-S.	Cu. N
14..	NW	NNW	NW	WNW	NNW	NW	24.6	53.9	115.6	41.6	235.7	3	A.-Cu.	Cu.	2	....	Cu.
15..	NW	NNW	WNW	WbyN	NNW	NW	19	44.3	94.8	28	186.1	4	Ci.-S. NNE	Cu.	6	Ci. NW	Cu.
16..	NW	ESE	WbyN	NNW	NNW	NNW	28.5	46.7	117.5	39.9	232.6	2	Ci.-S.	Cu.	1	Ci.-S.	Cu.
17..	NNW	NNW	NW	NNW	NNW	NW	27.7	38.6	107.8	44.5	218.6	8	Ci.-S. SW	Cu.	7	Ci.-S. SW	Cu. NNW
18..	NNW	NNW	WNW	NNW	NW	NW	24.3	41.5	123.9	44.3	234	8	Ci.-S. SE	Cu.	3	A.-Cu. SSE	Cu.
19..	NNW	ESE	SW	SW	NNE	Calm	46.7	59.5	71.9	24.6	202.7	2	Ci.-S.	Cu.	3	Ci.-S.	Cu. SW
20..	ESE	ESE	W	SW	Calm	Calm	47.8	44	44.5	9.7	146	7	Ci.-S. E	Cu.	10	A.-Cu.	Cu.-N. E
21..	SSW	SSW	W	WbyN	WbyN	Calm	19.5	35.9	50.7	27.7	133.8	9	Ci.-S. E	Cu.	9	Ci.-S.	S.-Cu. NNE
22..	SSW	SSW	SSW	WSW	SW	SW	34.3	59.5	65.4	49.6	208.8	9	A.-Cu. NE	Cu.	7	Ci.-S.	Cu. W
23..	SW	NNW	NW	WNW	NNW	NW	23.5	20.9	70.5	34.4	149.3	10	Ci.-S. E	S.	10	Ci.-S.	S.-Cu. N
24..	SSW	SSE	WSW	W	SSW	SW	34.8	29.3	48.1	61.4	173.6	10	Ci.-S.	S.-Cu. E	10	A.-Cu. ESE	S.-Cu. WNW
25..	SE	SE	Calm	W	NNE	Calm	33.8	24.9	55	27.4	141.1	10	Ci.-S.	S.-Cu. SSE	10	Ci.-S. S	Cu. SE
26..	SSE	SSW	W	SSW	SW	NE	31.4	41.5	87.2	44.5	204.6	10	Ci.-S.	S.-Cu. SSW	10	Ci.-S.	S.-Cu. SSE
27..	NE	EbyS	WNW	WbyN	SbyW	SW	32	32.7	86.6	33.6	184.9	9	A.-Cu. SE	Cu.	6	Ci.	Cu. W
28..	SW	SW	SSW	SSW	SSW	ESE	35.2	56.9	66	54.4	212.5	10	Ci.-S.	S.-Cu. SSW	10	Ci.-S.	S.-Cu. SSW
29..	ESE	EbyN	NNW	SW	SSW	SW	39.1	48.1	48.8	43.3	179.3	10	Ci.-S.	N. S	10	Ci.-S.	Fr.-N. SW
30..	SW	SSW	SSW	SbyW	SW	SW	80.2	88.5	86.1	60.4	315.2	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	N. SW
31..	SSW	SSW	SSW	SSW	SSW	SSW	82.1	146.4	149.7	144.8	523	10	Ci.-S.	N. SSW	10	Ci.-S.	N. SSW
Mean	......	......	......	......	......	......	44	56	80.9	44	224.9	6.8	....	....	7	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	6,972	....	....	....	....	....	....

VIGAN

[ϕ=17° 34′ N; λ=120° 23′ E; barometer above sea, 12.2 meters; gravity correction not applied, —1.61 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	50.87	51.09	52.08	51.60	51.72	53.37	51.79	26.4	26.1	27.9	29.5	24.9	27	27	30.7	23.3	85	87	79	78	87	91	84.5	41.9
2..	52.35	53.16	54.18	53.51	53.52	54.60	53.55	26	26	27.4	28.4	26.3	26.8	26.8	30.7	24.3	93	92	89	82	88	89	88.8	29.5
3..	53.91	54.16	54.63	53.54	53.64	55.20	54.18	26.2	26.1	29.6	30.4	28.1	26.4	27.8	31.6	24.1	89	87	76	72	84	89	82.8	5.5
4..	53.84	54.07	54.64	53.30	53.96	55.33	54.19	24.9	25	30	29.7	25.8	24.5	26.6	30.5	23.1	87	89	71	77	90	92	84.3	88.6
5..	54.34	54.75	55.47	53.70	53.28	53.94	54.25	24.1	24.4	24.5	28.7	26.8	25.5	25.7	29.5	22.7	93	92	92	73	85	91	87.7	172.7
6..	52.97	52.82	53.49	52.28	51.33	51.87	52.46	24.9	24.1	25	25.4	25	23.9	24.7	26.4	22.5	94	95	92	89	92	92	92.3	118.1
7..	50.15	49.79	50.25	49.22	48.72	49.87	49.67	24.3	24.2	23.5	23.5	25.5	24.4	24.2	26	22.4	89	93	96	95	88	94	92.5	355.9
8..	49.79	50.20	50.50	50.30	50.04	51.07	50.32	24.4	24.4	26	25.5	25.5	25.5	25.2	26.4	22.9	94	92	96	95	96	95	94.7	172.3
9..	50.12	50.53	51.28	51.20	51.52	52.93	51.26	25.5	26.4	27.3	26.2	26	25.5	26.2	30.3	24	95	93	89	90	92	87	91	60.5
10..	52.32	52.50	53.49	52.02	51.53	52.98	52.47	24.9	24.5	25.1	27.4	24.9	24.7	25.2	28.9	23.6	92	95	94	81	92	94	91.3	72.2
11..	51.83	51.88	52.27	51.05	50.98	52.20	51.70	24.4	24.3	25.6	25.4	25	25	25	26.8	23.3	97	97	96	97	98	95	96.7	55.2
12..	51.10	50.84	52.02	50.80	51.18	52.47	51.40	24.7	24.3	25.9	25.5	25	25.1	25.1	26.7	23.5	95	97	96	96	96	95	95.8	19
13..	51.77	52.07	53.57	52.47	52.98	54.13	52.83	24.6	24.4	27.1	26.8	26.5	25.1	25.8	27.6	23	97	97	94	94	94	96	95.3	26
14..	53.68	54.07	54.70	54.13	54.38	55.78	54.46	25.5	25.8	29	26.9	26	25.8	26.5	29.6	24.8	95	93	86	93	92	93	92	1.1
15..	54.61	54.57	55.61	54.34	54.91	56.24	55.05	26.1	26	25	26.5	24.8	24.4	25.5	27	23	91	92	96	92	93	96	93.3	75.9
16..	55.41	56.31	56.96	56.86	57.04	59.36	56.99	24.7	24.2	29	25.5	26.5	24.8	25.8	29.5	23.2	94	93	85	96	91	96	92.5	21.7
17..	57.35	57.59	57.82	56.74	57.15	59.23	57.65	24.4	24.4	28.2	29.1	25.4	23.8	25.9	30.1	23	91	92	84	85	93	97	90.3	20.8
18..	57.64	56.73	57.21	56.05	56.85	58.10	57.10	23.8	24.5	29.1	30	27.5	27	27	30.1	23	94	88	83	82	85	86	86.3	......
19..	57.10	57.11	57.50	56.43	57.02	57.98	57.19	26	25	30.5	31.4	27.5	26.1	27.8	31.8	24	88	88	75	76	89	91	84.5	2.3
20..	55.62	55.07	53.16	48.88	41.36	36.20	48.38	25	24.4	26.5	26.1	26.5	25.3	25.6	29.9	23.5	90	92	91	92	88	85	89.7	37.4
21..	43.38	49.06	53.49	53.23	54.25	56.65	51.68	24.6	27.4	25.5	25.9	27.1	27	26.2	29.4	22.4	78	67	84	88	80	80	79.5	8.9
22..	56.38	56.60	57.03	56.22	57.25	58.55	57	25.6	25.8	31.4	31.7	28	26.4	28.2	32.4	24.5	84	81	60	68	84	86	77.2	......
23..	57.16	57.41	58.29	56.74	56.48	57.52	57.27	26	25.5	27.5	30.1	28.5	26.8	27.4	31.5	23.4	85	88	84	71	78	90	82.7	12.4
24..	55.88	55.73	56.32	54.36	54.05	54.82	55.19	24.3	24.9	27.5	26.9	26.5	25.5	25.9	29.1	23.2	93	93	84	89	90	95	90.7	19
25..	53.13	52.37	52.57	51.54	51.40	53	52.34	26.2	26.3	28.8	28.7	27.5	26	27.2	29.8	24.4	92	90	83	83	87	94	88.2	.5
26..	53.08	54.06	55.39	55.03	55.20	57.05	54.97	26.1	25.9	27.6	25.6	25	25.1	25.9	28.9	24	87	81	79	88	92	90	86.2	8.4
27..	56.28	56.20	57.28	55.85	56.50	57.10	56.54	25.2	25	28.5	28.5	26.4	25.5	26.5	30.4	24.3	87	83	79	76	66	75	77.7	......
28..	56.39	56.38	57.55	56.34	56.30	57.74	56.78	24.5	24	29.5	31.3	28	26.1	27.2	32.1	22.9	86	87	68	64	77	85	77.8	......
29..	56.27	56.37	56.43	55.44	54.91	55.93	55.89	25.2	25.1	31.5	29	27.4	25.2	27.2	32.5	24.1	89	87	61	75	84	92	81.3	2
30..	55.07	54.55	55.18	53.15	52.93	54.18	54.18	25	24.6	25.2	26.6	25.5	24.2	25.2	28.7	23.6	92	94	93	91	88	96	92.3	38.3
31..	52.93	52.97	54.37	53.30	53.02	54.27	53.48	25.5	26.5	28.6	28.7	27	25.4	27	29.7	24.3	91	84	77	75	81	84	82	6.3
Mean	53.64	53.90	54.67	53.54	53.40	54.51	53.94	25.1	25.1	27.5	27.8	26.3	25.5	26.2	29.5	23.5	90.5	89.6	84.3	84	87.7	90.7	87.8	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,472.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SSW	SbyW	S	S	SSW	SSW	144.8	164.1	156.1	116.7	581.7	10	A.-Cu.	Cu.-N. S	10	Ci.-S.	Cu.-N. SWbyS
2..	SW	SSW	SSW	SSW	SbyW	SW	107	98.2	89.3	41.5	336	10	Ci.-S.	N. SSW	6	A.-Cu. SW	S.-Cu.
3..	SSW	SSW	SSW	SSW	SW	SSW	32.4	72.6	86.7	62.2	253.9	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. S
4..	SSW	SW	SSW	SSW	WSW	SW	32.5	53.6	81.9	39.7	207.7	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Cu.-N. ssw
5..	SW	W	SSW	SW	SW	SSW	25.1	28.7	56.1	59.7	169.6	10	Ci.-S.	Fr.-N. ssw	10	Ci.-S.	S.-Cu. ssw
6..	SSW	NW	SW	WbyS	WbyS	SW	65.2	72.4	96.6	72.4	306.6	10	....	Fr.-N. NW	10	Ci.-S.	N. W
7..	SW	SW	SSW	SSW	WSW	SW	142.1	189.4	207.6	210.8	749.9	10	Ci.-S.	N. SW	10	Ci.-S.	N. SW
8..	SSW	SSW	SW	WSW	NW	SW	160.9	72.4	58.7	41	333	10	Ci.-S.	N. SW	10	Ci.-S.	N. W
9..	SW	SW	SSW	SW	SbyW	SSW	71.6	87.7	84.5	91.7	335.5	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	N. SW
10..	SbyW	S	SW	SSE	SSE	SSW	84.5	86.1	94.4	75.3	340.3	10	Ci.-S.	S.-Cu. ssw	10	A.-Cu.	S.-Cu. ssw
11..	SSW	SSW	SSW	SW	SbyW	SSW	60	63.9	66.8	76.4	267.1	10	Ci.-S.	N. SSW	10	Ci.-S.	N. SW
12..	SSW	SSW	SSW	SSE	SSW	S	61.2	122.3	109.4	80.5	373.4	10	Ci.-S.	N. SSE	10	Ci.-S.	S.-Cu. S
13..	SSW	SbyW	SSW	SSW	SSW	SSW	62.8	95	85.9	82.1	325.8	10	Ci.-S.	N. SW	10	A.-Cu.	Cu.-N. SW
14..	SSW	SbyW	SbyW	SbyW	SSW	S	89.1	80.8	148.1	103	421	10	Ci.-S.	S.-Cu. ssw	10	Ci.-S.	N. SSW
15..	S	S	SSW	SbyW	SSW	SSW	144	148.9	136.2	107.2	536.3	10	Ci.-S.	S.-Cu. S	10	A.-Cu.	Cu.-N. ssw
16..	SW	SSW	SSW	SSW	SbyW	SSW	63.9	85.5	113.5	102.8	365.7	10	A.-Cu.	S.-Cu. ssw	10	Ci.-S.	S.-Cu. ssw
17..	SSW	SSW	SbyW	SSW	SSW	SSW	43.3	70.3	98.2	62.8	274.6	10	A.-Cu.	S.-Cu. ssw	9	A.-Cu. ssw	Cu.
18..	SSW	SE	SbyW	SbyW	SSW	SE	40.2	80.5	82.1	34.8	237.6	10	A.-Cu. sw	Cu.	10	A.-Cu. S	Cu. SSW
19..	SE	SSE	SW	WSW	NNW	Calm	40.2	60.2	42.1	22.7	165.2	9	Ci.-S. E	Cu.	6	A.-Cu. E	Cu.
20..	NNW	NNW	NNW	NbyW	N	SE	28.8	39.9	246.2	288	602.9	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Cu.-N. N
21..	SE	S	SbyW	S	SSW	SSW	313	205.2	72.4	74	664.6	10	Ci.-S.	S.-Cu. S	10	A.-Cu.	S.-Cu. S
22..	SSW	SSW	SSW	SbyW	SSW	SE	52.3	62	82.1	33.5	229.9	10	A.-Cu. S	S.-Cu.	9	A.-Cu. S	Cu.
23..	SE	SSE	SW	SSW	SW	SW	42.1	53.1	60.2	18.8	174.2	8	A.-Cu. sw	Cu.	9	A.-Cu. NW	Cu.
24..	SW	SW	SSW	WSW	WSW	SSW	23.5	72.9	73.4	74.6	244.4	7	A.-Cu. NW	Cu.	9	A.-Cu.	Cu.-N. SW
25..	SW	WbyS	SW	SW	SW	SSW	70.8	[a]90.1	.....	112.7	[b]273.6	10	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu.-N. SW
26..	SSW	SSW	SbyW	SSW	SSW	SbyW	150.5	138.4	81	78.4	448.3	10	A.-Cu.	Cu.-N. ssw	10	Ci.-S.	Cu.-N. ssw
27..	SSW	SSW	SSW	SSW	SSW	Calm	112.1	97.1	140	43.3	392.5	10	A.-Cu.	Cu. SSW	10	A.-Cu.	S.-Cu. ssw
28..	E	ESE	SbyW	SW	SSW	SW	21.4	78.6	70.2	24.7	194.9	10	A.-Cu.	Cu. S	8	A.-Cu. ssw	Cu.
29..	SE	ESE	Calm	W	NW	Calm	37	45.1	61.2	22.2	165.5	6	A.-Cu. ESE	Cu.	10	A.-Cu.	S.-Cu. WNW
30..	WNW	WNW	NNW	WbyN	WNW	NW	17.5	26.2	53.1	56.6	153.4	10	Ci.-S.	Cu.-N. N	10	A.-Cu.	Cu.-N. NNW
31..	WNW	WNW	WbyN	W	SW	SW	131.7	111	91.7	65.7	400.1	10	A.-Cu.	S.-Cu. WNW	10	Ci.-S.	S.-Cu. WNW
Mean	......	......	......	......	......	......	79.7	88.8	97.5	76.6	339.5	9.7	....	....	9.5	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	[b]10,525.2	....	....	....	....	....	....

[a] 1 hour missing.

[b] 7 hours missing.

VIGAN

[ϕ=17° 34′ N; λ=120° 23′ E; barometer above sea, 12.2 meters; gravity correction not applied, —1.61 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	53.34	53.43	53.72	53.17	53.85	55.20	53.78	25.3	25.4	29	28.8	26.7	26.1	26.9	30.9	24	86	88	74	81	80	87	82.7	5.7
2..	54.98	55.26	56.80	55.99	57.27	58.77	56.51	25.5	25.7	26.9	26.5	25.6	25.2	25.9	29.3	24.3	88	86	85	84	87	89	86.5	6.1
3..	57.65	57.50	59.63	58.63	59.40	60.61	58.90	24.9	24.4	29.5	31.4	28	26.2	27.4	31.6	23.5	85	85	75	65	81	92	80.5	....
4..	59.43	59.36	60.32	58.89	59.69	60.30	59.66	25.5	24.5	31.4	31.2	28.8	26.6	28	32.7	23.9	89	91	63	64	76	90	78.8	....
5..	59.31	58.82	59.97	58.33	58.49	59.95	59.14	25.2	24	30	31	27.9	26.1	27.4	31.3	23.1	91	91	71	68	78	91	81.7	....
6..	58.58	58.22	58.81	57.03	57.16	58.38	58.03	24.7	24.3	30.6	30.6	27.5	25.5	27.2	31.3	23.4	87	88	68	68	84	94	81.5	6.1
7..	56.53	56.08	57.39	55.53	56.26	57.62	56.57	25	24.4	29.7	31.1	25.7	25.1	26.8	31.5	23.5	92	92	72	70	86	92	84	3.6
8..	56.48	56.36	57.28	55.92	55.76	57.21	56.50	24.8	24	29.9	31	28.3	27.1	27.5	31.2	23.4	87	91	72	69	82	93	82.3	....
9..	56.44	56.78	57.99	56.45	56.58	57.85	57.02	26.3	25.6	31	31.9	29.5	27	28.6	32.9	25	91	87	67	67	75	90	79.5	....
10..	56.69	56.73	57.52	55.52	55.62	56.65	56.46	25.9	25	30	32.6	29	27.8	28.4	32.9	24.3	88	92	71	62	77	86	79.3	....
11..	55.75	55.26	55.84	54.40	53.66	54.73	54.94	26.4	24.9	31.2	31.6	29.4	27.1	28.4	33.1	24	86	85	68	65	74	69	74.5	....
12..	54.61	54.89	54.79	53.27	53.29	54.13	54.16	25.2	23.9	31	32	28	27	27.8	32.5	20.2	74	80	60	57	80	77	71.3	....
13..	53.42	53.78	54.49	53.46	53.99	55.44	54.10	25.2	24.3	31.2	31.1	28.4	27.4	27.9	32.3	23.5	80	77	61	65	71	78	72	....
14..	55.13	54.88	56.04	54.72	55.24	56.72	55.46	26.4	26	29.5	31.8	29	26.6	28.2	32.9	25.4	86	76	74	64	74	80	75.7	....
15..	55.90	55.88	56.73	55.59	56.03	57.64	56.30	25.7	25.5	31	30.5	29	25.5	27.9	32	24.9	78	76	62	68	77	92	75.5	4.8
16..	56.86	57.15	58.21	56.72	57.64	59.24	57.64	25.1	24.9	31.4	31.2	28	25.3	27.6	33.2	24.1	95	80	59	67	77	93	78.5	7.1
17..	58.21	58.27	59.21	58.14	58.85	59.82	58.75	25	24.4	29.6	30	24.5	24.8	26.4	31.3	23.5	81	84	73	71	87	92	81.3	29.5
18..	59.15	59.67	60.24	58.78	58.79	60.18	59.47	24.5	24	32	30.1	26.4	24.9	27	33.8	23.4	89	86	58	69	88	87	79.5	2.8
19..	59.46	59.54	59.99	57.79	58.13	59.70	59.10	24.8	24	31	31.4	29.2	26.6	27.8	31.6	23.4	72	79	65	57	72	67	68.7	....
20..	58.72	58.53	59.24	57.78	58.26	59.66	58.70	25.4	24.5	31.5	30.7	28.4	27.1	27.9	32.7	24	72	79	60	64	75	81	71.8	....
21..	58.37	57.98	59.28	57.83	58.80	60.11	58.73	26	25	32.9	30	26.5	25.6	27.7	33.4	24.4	67	74	56	71	76	81	70.8	....
22..	58.85	58.68	59.75	57.98	57.95	59.16	58.73	25	24.1	31	31.9	28.5	26.6	27.8	32.5	23.5	81	82	52	63	70	83	71.8	....
23..	58.35	58.23	59.44	58.02	58.40	59.27	58.62	25.3	25	31.5	31.3	28	26.2	27.9	32.9	24.4	78	70	54	64	74	79	69.8	....
24..	58.35	58.53	59.48	58.33	58.54	59.47	58.78	25.4	24	31.9	30.3	28.3	26	27.6	32.8	23.5	77	74	49	66	75	83	70.7	....
25..	58.47	59.07	60.25	58.69	58.65	59.74	59.14	25.5	24	32.2	31	28.5	27	28	33.1	23.4	81	83	54	62	75	88	73.8	....
26..	59.20	59.66	60.07	58.14	58.38	59.53	59.16	26.1	25.9	31.7	32	29.5	27.3	28.8	33.5	25.1	85	81	62	60	75	86	74.8	....
27..	59.01	59.08	59.82	57.84	57.95	59.32	58.84	26.2	26	32	32.6	29.5	25.5	28.6	33.5	24.9	82	79	63	65	75	91	75.8	11.4
28..	58.72	58.88	59.40	57.80	58.04	59.16	58.67	25.5	25.5	31.8	30.6	28.5	27.4	28.2	33	24.8	91	88	61	71	78	89	79.7	....
29..	58.50	59.26	59.43	57.72	58.12	58.80	58.64	26.5	25.7	30.5	31.2	28.3	26.5	28.1	33.8	25	87	88	68	62	77	84	77.7	....
30..	58.47	58.85	59.42	57.49	57.47	58.51	58.37	25.6	24.8	31.1	32	29.5	27.2	28.4	33	23.9	86	85	63	63	77	78	75.3	....
Mean	57.43	57.49	58.35	56.86	57.21	58.43	57.63	25.5	24.8	30.8	31	28.1	26.3	27.7	32.4	23.9	83.7	83.2	64.7	66.4	77.8	85.4	76.9	....
Total	.....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	77.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SW	SSW	SSW	SSW	SSW	S	66.3	104.6	118	155.4	404.3	10	Ci.-S.	Cu.-N.	10	A.-Cu.	S.-Cu.
2..	SSW	SSW	S	SW	SW	SSW	101.9	104.1	106.7	56.5	369.2	10	A.-Cu.	S.-Cu. ssw	10	A.-Cu.	S.-Cu. ssw
3..	SSW	S	SSW	SW	SW	SW	34.1	71.4	66.5	20.7	192.7	6	A.-Cu. sw	Cu.	6	A.-Cu.	Cu. SW
4..	SW	SSW	EbyS	NW	WNW	NW	28.7	37	70.8	27.1	163.6	10	A.-Cu. W	S.-Cu.	4	Ci. SE	Cu.
5..	NW	NNE	WNW	WNW	NW	Calm	34.4	48	94.6	30.3	207.3	1	....	Cu.	3	....	Cu. NNE
6..	E	E	WbyN	WNW	WNW	E	39.2	45.9	109.1	33.3	227.5	2	....	Cu.	7	Ci.-S.	Cu. WNW
7..	E	NNE	NW	NNW	NE	SW	33.2	44.1	103.2	24.7	205.2	2	Ci. E	Cu.	7	A.-Cu.	Cu. NNW
8..	SSE	SSE	NW	NW	NNW	NW	31.2	47.5	105.6	34.6	218.9	6	Ci. NE	Cu.	3	....	Cu. NNW
9..	WSW	SE	SSW	W	WNW	SbyW	34.1	56.8	64.6	27.6	183.1	2	....	Cu.	5	A.-Cu.	Cu. WSW
10..	SE	ESE	SW	WSW	WNW	Calm	38.3	59.5	61.2	25.5	184.5	8	Ci.-S. SE	Cu.	4	Ci.-S.	Cu. WSW
11..	ENE	ENE	NNW	W	W	SE	30.8	40.2	57.3	39.7	168	8	Ci.-S. E	Cu.	7	Ci.-S. SE	Cu.
12..	E	EbyN	NW	NW	NE	ESE	31.1	35.2	74.8	45.1	186.2	10	Ci.-S.	Cu. E	7	Ci.-S. E	Cu.
13..	ESE	ESE	ESE	W	WNW	WNW	44.1	49.3	59.5	17.4	170.3	10	Ci.-S. S	Cu.	8	Ci.-S.	Cu. SW
14..	SE	E	W	WbyS	WNW	SE	42.4	46.4	57.9	40.4	187.1	10	A.-Cu.	Cu. W	5	Ci.-S.	Cu. WNW
15..	SE	EbyS	Calm	W	Calm	SW	46.4	43.7	48.5	15.9	154.5	8	A.-Cu.	S.-Cu. S	8	A.-Cu. SW	Cu. S
16..	SSW	EbyS	WbyN	WbyN	NNW	SW	25.7	53.1	62.3	38.8	179.9	10	A.-Cu.	S.-Cu. S	9	A.-Cu.	Cu. SW
17..	SE	ESE	WNW	W	S	ESE	32.5	45.1	70.6	21.1	169.3	10	A.-Cu. sw	Cu.	10	A.-Cu.	S.-Cu. NW
18..	ESE	Calm	SSE	NW	ENE	ENE	24.3	43.3	64.6	33	165.2	4	A.-Cu. E	Cu.	8	A.-Cu. E	Cu. NW
19..	E	EbyS	NW	NW	WNW	ESE	40	47.5	69.5	50.4	207.4	8	A.-Cu. SE	S.-Cu.	4	Ci.-S.	Cu. NW
20..	E	E	NNW	NW	NW	NW	49.4	38.3	74.8	23	185.5	4	Ci.-S.	Cu. ESE	7	Ci.-S.	Cu. NW
21..	E	E	Calm	WbyS	SSW	ESE	67.9	40.2	69.8	47	224.9	8	Ci.-S.	Cu. NW	9	A.-Cu.	Cu. W
22..	Calm	ESE	SSE	WbyS	WNW	Calm	28	54.7	70.2	21.1	174	7	A.-Cu. W	Cu.	6	Ci.-S.	Cu. WSW
23..	E	ESE	WNW	NW	NW	NW	37.5	40.2	97.7	31.2	206.6	3	A.-Cu. sw	Cu.	3	....	Cu. NNE
24..	ESE	E	W	NW	WNW	SW	45.7	42.6	71	29.2	188.5	7	Ci. W	Cu.	9	Ci.-S.	Cu. N
25..	ESE	ESE	NNW	NW	NW	Calm	64.1	38.6	85.9	23.5	212.1	2	Ci.-S.	Cu.	1	....	Cu.
26..	ESE	ESE	NNW	W	WNW	NbyE	40.2	52.8	66.8	28.8	188.6	1	....	Cu. NE	2	Ci.-S.	Cu. NE
27..	ESE	SE	SW	WSW	WbyN	S	53.6	58.7	71.8	42.4	226.5	2	Ci.-S.	Cu.	5	A.-Cu.	Cu. WSW
28..	SE	SE	WSW	WSW	W	W	33	47.8	57.3	15.1	153.2	9	A.-Cu. W	Cu.	8	Ci.-S.	Cu. SW
29..	SSW	SSW	WNW	WNW	NW	NW	31.2	40.8	82.6	33	187.6	8	A.-cu. ssw	Cu.	2	....	Cu. WNW
30..	NW	EbyS	SSW	W	WbyN	W	31.4	75.1	53.3	19.1	178.9	1	....	Cu.	3	....	Cu. WNW
Mean	......	......	......	......	......	......	41.4	51.8	75.6	33.7	202.4	6.2	....	....	6	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	6,070.6	....	....	....	....	....	....

VIGAN

[ϕ=17° 34′ N; λ=120° 23′ E; barometer above sea, 12.2 meters; gravity correction not applied, −1.61 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	57.75	58.08	58.67	57.34	57.47	58.54	57.98	26.1	24.9	32.4	32.2	29.1	27.5	28.7	33.4	24	76	79	53	62	74	86	71.7	....
2..	57.55	57.26	57.74	55.85	55.97	57.29	56.94	26.1	25	31.5	32.2	28.5	26.5	28.3	33.1	24.5	88	88	63	62	75	82	76.3	....
3..	56.97	57.05	58.09	55.92	55.97	57.36	56.89	26.2	25.3	31.1	31.9	28.5	26.1	28.2	33.1	23.5	85	85	68	64	75	85	77	....
4..	57.32	57.48	58.30	56.29	56.39	57.96	57.29	25	24	31	31.3	27.7	26	27.5	32.1	23.4	84	91	62	63	79	89	78	....
5..	57.22	57.18	57.80	55.85	56.13	57.36	56.92	25	24	31	31.2	28	26.3	27.6	31.9	23.4	88	91	62	62	81	90	79	....
6..	56.80	57.14	58.27	56.12	56.94	58.37	57.27	26	26	31.4	32.1	29.5	26.8	28.6	33.5	25.4	89	80	66	65	78	87	77.5	....
7..	57.74	58.31	59.31	57.50	57.79	58.91	58.26	26.7	25.3	32	31.1	27.5	26.1	28.1	34	24.7	84	89	55	71	85	87	78.5	4.1
8..	57.71	57.60	58.11	55.55	55.29	56.25	56.75	25.3	24.3	30.4	32.5	29.6	26.9	28.2	33.6	23.2	84	85	62	54	77	85	74.5	....
9..	55.81	56.09	57.42	54.60	54.70	56	55.77	26.9	25.4	24.5	26.5	26	24.8	25.7	27.1	23.9	79	88	92	82	87	92	86.7	2.5
10..	55.12	55.35	55.88	54.44	55.09	56.35	55.37	24.9	24.5	31.7	30.5	25.4	25.5	27.1	32.6	23.5	92	92	65	68	93	93	83.8	46.7
11..	55.78	56.23	57.16	56.03	56.91	58.45	56.76	25.1	25.3	30.3	30.3	28.1	26.5	27.6	30.8	24	95	88	76	76	86	89	85	1
12..	58.25	58.36	60.20	58.32	59.33	61.03	59.25	26	25.4	30.1	30	28.1	26.2	27.6	32	24.6	89	93	74	75	82	84	82.8	....
13..	60.33	59.94	60.70	59.15	59.36	60.69	60.03	25.4	24.5	30.9	30.5	28.4	27	27.8	32.3	23.5	87	90	67	68	82	90	80.7	....
14..	58.70	58.71	59.20	56.88	56.53	58.16	58.03	25.9	24.6	32,2	31.9	28.7	26	28.2	33.9	24	86	92	48	64	69	78	72.8	....
15..	56.90	56.03	56.80	54.44	54.80	55.90	55.81	25.1	25	32.5	34	29.4	27.4	28.9	35	24	73	71	55	56	77	78	68.3	....
16..	55.21	55.52	56.23	54.44	55.72	57.25	55.73	26.4	25.7	33.5	31.4	28.9	28.5	29.1	34.7	25.2	85	86	55	72	78	84	76.7	....
17..	56.63	57.51	58.64	55.98	57.19	58.51	57.41	27.3	25.9	28.4	30	28.4	25.8	27.6	30.5	25	87	89	82	75	82	92	84.5	6.6
18..	57.33	57.45	58.28	55.78	56.89	58.47	57.37	25	25	31	30.5	27.8	24.9	27.4	31.5	24.2	93	92	71	72	85	87	83.3	1.3
19..	57.26	57.35	58.33	56.42	57.24	58.36	57.49	25.2	25	31.5	31.7	27.7	26.6	28	33.2	24.1	85	87	66	67	82	83	78.3	....
20..	57.21	57.76	59.20	57.14	58	59.62	58.16	25.6	25.1	29.7	30	27.2	26.9	27.4	31.5	24.4	88	87	66	68	65	60	72.3	....
21..	58.91	59.20	59.74	58.27	59.15	60.59	59.31	25.8	24.6	31.6	31	28.5	26.7	28	32.9	24	65	72	51	59	67	75	64.8	....
22..	59.86	59.75	60.27	58.48	58.89	60.45	59.62	26	24.9	31.9	31	28.1	26.3	28	32.1	24.2	74	80	58	62	80	86	73.3	.3
23..	59.76	59.50	60.64	58.94	59.43	60.60	59.81	25.6	25	31.5	32	28.5	25.5	28	33.2	23.8	88	88	60	60	76	91	77.2	2.3
24..	59.61	59.73	59.95	57.80	58.18	59.63	59.15	24	23	30.5	31.6	29.2	27.9	27.7	32	22.1	90	88	65	62	74	57	72.7	....
25..	58.96	59.49	60.15	57.69	58.22	59.45	58.99	26.9	26	31.6	31.9	29.5	27.3	28.9	32.6	25	62	68	58	55	75	70	64.7	....
26..	58.90	59.65	60.10	57.94	58.74	59.62	59.16	25.7	24.8	31	31	28.4	25.8	27.8	32.4	24	75	81	62	62	68	81	71.5	....
27..	59.43	59.81	61.14	58.95	59.67	60.79	59.96	25.5	24.7	31.4	31.8	27.9	25.9	27.9	33.5	24	80	86	60	61	71	83	73.5	....
28..	59.45	59.31	60.07	58.23	58.44	59.91	59.24	25.1	24	30.4	31.1	28.6	26.8	27.7	32.2	23.5	89	88	64	65	77	87	78.3	....
29..	58.86	59	59.94	58.12	58.64	59.80	59.06	25.3	25	31	29.5	28.5	26.3	27.6	32.5	24.1	89	80	63	79	84	92	81.2	5.4
30..	59.06	59.12	59.63	57.69	58.02	59.49	58.84	25.8	25.4	31.4	32.5	29.4	27.2	28.6	32.9	24.7	91	93	64	58	72	75	75.5	....
31..	58.55	58.50	59.73	57.20	57.78	59.10	58.48	26.1	25.3	32	31	28.6	26.6	28.3	34.1	24.6	82	81	60	65	76	81	74.2	....
Mean	57.90	58.05	58.89	56.88	57.38	58.72	57.97	25.7	24.9	31	31.2	28.3	26.5	27.9	32.6	24.1	83.9	85.4	63.6	65.6	77.8	83.2	76.6	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	70.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	ESE	SW	W	WNW	WNW	40.8	51.7	60.2	20.6	173.3	2	Ci.-S. W	Cu.	5	....	Cu. W
2..	NW	NNE	WbyN	W	NW	SW	37	42.3	75.6	31.9	186.8	3	Ci.-S.	Cu.	3	....	Cu. NE
3..	SW	S	WNW	WNW	NbyW	NW	33.3	41.8	80	30	185.1	4	Ci.-S. E	Cu.	4	Ci.-S.	Cu. NW
4..	NbyW	NbyW	NNW	NbyW	NbyW	NNW	32.2	60.7	135.2	80.5	308.6	7	Ci.-S.	S.-Cu. N	6	Ci. NE	Cu. N
5..	NbyW	NbyW	NNW	NW	NNW	NW	33.2	56.9	109.4	23.8	223.3	6	Ci.-S. E	Cu.	5	Ci.-S.	Cu. NNE
6..	SE	SE	SW	SW	WNW	E	42.1	59.5	69	38.6	209.2	4	Ci.-S.	Cu. SW	4	A.-Cu.	Cu. S
7..	ESE	ESE	SSE	N	ESE	SE	26.9	56	58.9	17.7	159.5	4	Ci.-S. W	Cu.	9	A.-Cu.	Cu. NE
8..	WNW	WNW	WNW	NbyW	NW	W	16.1	40.2	56.3	23.8	136.4	8	Ci.-S. SW	Cu.	8	Ci.-S.	Cu. E
9..	NW	NNE	NbyE	N	NNW	WSW	36.5	61.5	82.7	29.6	210.3	10	Ci.-S.	S.-Cu. ESE	10	Ci.-S. E	S.-Cu.
10..	WNW	WNW	WSW	WSW	W	SW	16.9	29	56.8	24.4	127.1	9	A.-Cu. SE	Cu.	10	Ci.-S.	S.-Cu. E
11..	Calm	SbyW	NW	WNW	NbyW	NW	27.6	39.2	64.4	40.2	171.4	10	Ci.-S. SE	Cu.	10	A.-Cu. SE	Cu.
12..	NNW	NNW	WNW	NbyW	Calm	E	23.6	21.4	74.2	29.3	148.5	10	Ci.-S.	S.-Cu. NNE	10	Ci.-S.	Fr.-S. N
13..	NW	ESE	NNW	WNW	NNW	NW	39.9	44.9	88.5	43.5	216.8	4	Ci. N	Cu.	9	A.-Cu.	Cu. NE
14..	NNW	Calm	NE	WNW	Calm	NW	30.9	49.9	50.2	19.5	150.5	6	Ci.-S. E	Cu.	5	A.-Cu.	Cu. NE
15..	WNW	WbyN	NNE	WSW	SW	SW	33.3	39.9	57.9	30.3	161.4	10	A.-Cu.	S.-Cu. ESE	8	Ci.-S. S	Cu.
16..	WNW	WNW	ENE	W	W	W	29.3	44.5	63.4	17.7	154.9	9	Ci.-S. S	S.-Cu.	7	A.-Cu. S	Cu. ENE
17..	Calm	Calm	WNW	WNW	WNW	SW	28	43.1	76.9	38.9	186.9	9	A.-Cu.	S.-Cu. SSE	9	A.-Cu.	Cu. NW
18..	ESE	ESE	NW	WNW	NW	N	31.9	38.6	62.2	61.8	194.5	9	A.-Cu.	S.-Cu. ESE	6	A.-Cu. E	Cu. NW
19..	N	E	SW	WSW	NNE	SE	50.2	43.1	67	39.2	199.5	6	A.-Cu. S	Cu.	6	Ci.-S.	Cu. W
20..	ESE	ESE	SW	W	ENE	SE	32.7	38.1	66.6	37.2	174.6	9	A.-Cu.	Cu. S	9	A.-Cu.	Cu. W
21..	NW	NbyW	N	NW	NW	ESE	24.6	48.6	61.7	28.5	163.4	10	A.-Cu. SE	S.-Cu.	5	A.-Cu. S	Cu.
22..	ESE	SE	NNW	NW	NW	NW	30.1	45.6	70.8	18	164.5	6	A.-Cu. W	Cu.	3	Ci.-S.	Cu. N
23..	WSW	WSW	W	W	W	NbyW	22.2	38.6	51.8	38.6	151.2	2	A.-Cu.	Cu.	3	....	Cu. W
24..	NbyW	NbyW	NNW	NW	NW	E	51.2	75.6	67.6	49.6	244	2	A.-Cu.	Cu.	2	....	Cu. E
25..	E	E	NNW	NW	Calm	SE	27.4	37.3	61.7	33.5	159.9	9	A.-Cu.	S.-Cu. E	2	Ci. S	Cu.
26..	SE	SE	WNW	WNW	SE	SE	30.8	39.9	50.9	51.7	173.3	2	A.-Cu.	Cu.	2	A.-Cu.	Cu. ENE
27..	ESE	ESE	NNW	W	E	SE	52.8	45.1	64.4	30.8	193.1	4	Ci.-S. SW	Cu.	6	Ci.-S.	Cu. NW
28..	ESE	SE	NW	NNW	Calm	WNW	39.7	42.9	62	18.2	162.8	2	A.-Cu.	Cu.	4	A.-Cu. ENE	Cu. W
29..	WNW	SbyE	NW	WbyN	Calm	Calm	30.8	45.3	44	10.8	130.9	4	Ci. W	Cu.	9	A.-Cu.	Cu.-N. N
30..	WNW	NNW	NW	W	SW	SW	17.7	41.8	44.6	24.1	128.2	2	A.-Cu.	Cu.	6	A.-Cu. S	Cu.
31..	NW	N	W	SW	SW	WNW	29.5	26.6	35.2	33.6	124.9	9	Ci.-S. SW	Cu.	9	Ci.-S.	S.-Cu. SW
Mean	......	......	......	......	......	......	32.2	44.8	66.8	32.8	176.6	6.2	....	....	6.3	....	....
Total	......	......	......	......	......	......	......	......	......	......	5,474.8	....	....	....	....	....	....

VIGAN

[$\phi=17°$ 34′ N; $\lambda=120°$ 23′ E; barometer above sea, 12.2 meters; gravity correction not applied, —1.61 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.72	58.95	60.01	58.20	59.14	59.68	59.12	26.1	25.4	31.5	29.6	25.6	24.8	27.2	32.5	24.2	83	88	63	74	83	88	79.8	3.6
2..	58.68	59.79	60.64	58.95	59.23	59.69	59.50	24.5	24	29.5	30.5	27.9	26.3	27.1	31.8	23.4	88	87	72	68	82	89	81	....
3..	59.35	59.72	60.64	58.14	58.58	59.33	59.29	25.1	23.9	31.5	31.4	28.8	26.6	27.9	33.4	23.2	88	88	61	63	79	89	78	....
4..	58.67	59.27	59.59	57.65	58.78	59.73	58.95	25.4	24.5	31.5	31.5	28.9	26.5	28	32.3	23.9	79	79	63	63	77	86	74.5	....
5..	58.50	58.77	59.45	57.17	57.83	59.05	58.46	24.8	23.5	31	31.8	29	27.9	28	32.9	23	92	91	64	58	74	84	77.2	....
6..	57.96	58.16	58.72	57.05	58.04	59.50	58.24	26.2	24.5	32.4	31.6	28.4	26.9	28.3	33.2	24	90	83	52	62	75	86	74.7	....
7..	58.12	58.65	59.85	57.73	58.33	59.79	58.74	26.1	24.9	30.9	31.1	28.5	26.8	28	31.9	23.8	78	76	66	60	76	85	73.5	....
8..	58.67	59.15	59.67	57.75	57.99	59.16	58.73	26	24.5	31.9	31.4	28	26.2	28	33	23.8	78	83	58	63	79	91	75.3	....
9..	57.90	57.99	58.54	56.34	56.69	58.14	57.60	25.1	23.9	30.5	31.9	28.6	26.6	27.8	33.5	23.2	89	87	62	58	76	75	74.5	....
10..	57.03	57.71	58.05	55.87	56.25	57.22	57.02	25.8	24.1	31.9	31	28.3	26.1	27.9	33.1	23.2	73	82	58	62	73	82	71.7	....
11..	56.65	56.97	57.60	55.67	56.34	57.71	56.82	24.9	23.5	30	32	28	25.4	27.3	32.1	22.5	85	88	61	60	77	80	75.2	....
12..	57.47	57.57	58.24	56.35	57.03	58.13	57.46	23.9	23	30.5	31	27.9	24.7	26.8	32.2	22.2	85	87	59	59	71	80	73.5	....
13..	57.62	58.21	59.21	57.20	58.14	59.83	58.37	24.7	23.5	30.5	31.5	28	24.7	27.2	32.2	22.8	70	83	59	54	53	66	64.2	....
14..	58.73	59.53	59.93	57.78	58.54	59.77	59.05	24.1	22.8	30	30.8	25.2	22.8	26	32.5	22	68	78	47	54	66	74	64.5	....
15..	59.18	59.29	59.86	56.80	57.45	58.81	58.56	22.5	22	29.6	31.5	28	26.3	26.6	32.6	21.3	72	78	49	43	48	52	57	....
16..	58.36	58.41	58.76	56.33	57.14	58.28	57.88	25.3	23.9	31.5	30 9	28	25.3	27.5	32	23	60	72	48	54	73	79	64.3	....
17..	57.36	57.73	58.74	56.62	57.94	58.87	57.88	24.8	24.5	31.6	30.5	27.9	26.1	27.6	33.9	23.6	78	79	54	63	78	83	72.5	....
18..	57.75	57.81	57.78	55.38	56.34	57.85	57.15	24.9	23.8	30.4	31.6	28.2	25.9	27.5	32.1	23.1	87	89	63	63	75	78	75.8	....
19..	57.53	57.50	58.75	56.52	57.54	58.80	57.77	25.1	24.6	31	31.4	28.3	26	27.7	32.9	23.7	80	82	53	60	78	82	72.5	....
20..	57.58	57.87	58.50	56.92	57.88	58.80	57.92	24	22.4	30.9	31.8	28.6	26.6	27.4	32.6	21.5	81	83	56	56	73	79	71.3	....
21..	57.97	57.88	58.35	56.46	57.45	59.17	57.88	24.6	23.5	28.2	28.2	24.9	23.7	25.5	29.3	22.1	85	87	67	66	72	73	75	....
22..	58.36	58.82	59.58	57.46	58.26	59.01	58.58	22.4	20.8	28.5	29	25.6	24.6	25.2	30.9	20.1	76	79	57	54	71	57	65.7	....
23..	58.63	59.28	60.38	58.54	59.43	60.25	59.42	24.3	24	26.6	27.5	25.6	23.9	25.3	29.6	22.4	56	61	62	63	79	67	64.7	.3
24..	59.44	60.22	60.94	59.01	59.82	61.32	60.12	22	21.4	27	29	23.5	21.4	24	30.4	20.2	74	78	56	46	64	75	65.5	....
25..	60.50	60.60	61.25	58.65	59.10	60.62	60.12	20.5	20.5	28	29.1	25.9	24.5	24.8	29.9	19	72	69	47	54	50	60	58.7	....
26..	60.61	60.70	61.15	58.45	59.06	59.62	59.93	21.9	20	28.9	29.1	25.5	23.6	24.8	30.5	19.5	74	86	58	58	73	79	71.3	....
27..	59.21	59.44	60.31	58.32	59.80	59.48	59.43	23.4	23.1	26.9	27.6	27	24.1	25.4	28.3	22.1	81	84	75	79	84	91	82.3	1.3
28..	58.61	59.31	60.09	59.13	60.20	60.86	59.70	24.5	24.1	28.4	26	24.7	23.8	25.2	30.4	22.8	87	91	89	92	92	92	90.5	1
29..	60.37	60.26	60.98	58.53	59.11	60.43	59.95	24.2	22.9	29	31	27.8	26.1	26.8	31.4	22.1	86	92	85	85	89	93	88.3	....
30..	59.73	59.96	60.93	59.24	60.10	60.71	60.11	25.5	24.4	30	30.5	27.6	26.1	27.4	31.9	23.5	94	92	85	82	87	85	87.5	....
Mean	58.51	58.85	59.55	57.47	58.25	59.32	58.66	24.4	23.4	30	30.4	27.3	25.3	26.8	31.8	22.5	79.6	82.7	61.6	62.5	74.2	79.3	73.4	....
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	6.2

Day	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	WNW	WSW	NW	WNW	SSW	SW	22.8	50.7	67.9	36.7	178.1	7	Ci.-S. W	Cu.	9	A.-Cu.	Cu. NE
2..	SSW	SbyW	NW	NW	N	N	27.9	47.8	70.8	21.5	168	10	A.-Cu. W	Cu.	10	A.-Cu.	Cu.-N. NE
3..	SW	SSW	NNE	NW	WNW	WbyN	26.8	41.8	76.4	15	160	7	Ci.-S. W	Cu.	3	Ci.-S.	Cu. ENE
4..	ESE	ESE	NNW	WbyN	W	W	36.5	60.7	65.4	25.5	188.1	2	Ci.-S.	Cu.	3	Ci.-S.	Cu. NE
5..	SW	SW	WNW	WbyN	WbyN	WbyN	29.5	40.2	58.4	14.7	142.8	1	....	Cu.	2	A.-Cu. E	Cu.
6..	SE	SE	SW	W	WNW	WNW	33.2	49.9	58.7	14.7	156.5	1	....	Cu.	3	....	Cu. W
7..	SE	ESE	NW	WbyN	NW	NW	53.1	59.3	70.3	19.8	202.5	1	....	Cu.	4	A.-Cu.	Cu. NNE
8..	NW	SSW	WNW	WNW	NW	WNW	29.5	51	88.7	26.4	195.6	6	Ci.-S. NW	Cu.	4	Ci.-S.	Cu. N
9..	WNW	SW	NW	W	Calm	SE	27.7	36	51.5	30.4	145.6	6	Ci.-S. SW	Cu.	4	A.-Cu. E	Cu. W
10..	SE	ESE	NW	NW	NW	WNW	37.3	42.3	82.7	34.8	197.1	7	Ci.-S. NW	Cu.	4	Ci.-S.	Cu. N
11..	Calm	N	NW	NNW	N	NW	14.5	37	95.8	59	206.3	4	Ci.-S. W	Cu.	4	A.-Cu. NE	Cu. N
12..	NW	N	NNW	NbyW	N	NW	41.5	62.8	117.5	35.1	256.9	4	Ci.-S. S	Cu.	3	A.-Cu. E	Cu.
13..	NNW	NNW	WNW	NbyW	EbyN	NbyW	30.9	41.8	112.3	71.1	256.1	7	Ci.-S. SE	Cu.	5	Ci.-S.	Cu. ENE
14..	NNW	NNW	NNE	NbyW	NNE	NW	41.5	61.5	144.8	65.7	313.5	8	A.-Cu. S	S.-Cu.	7	Ci.-S. SW	Cu. ENE
15..	NNW	Calm	N	ENE	NNE	NE	50.7	46.2	86.9	95	278.8	9	Ci.-S. W	Cu. S	8	Ci.-S. NW	Cu.
16..	NW	Calm	WbyN	WbyN	Calm	NW	63.8	42.4	66.5	12.7	185.4	5	Ci.-S. W	Cu.	6	Ci.-S. WNW	Cu.
17..	NW	ENE	SW	NW	NNW	WNW	30	40.5	77.2	30.6	178.3	9	Ci.-S.	S.-Cu. SE	6	A.-Cu. S	Cu.
18..	N	NbyE	N	NNW	NbyW	NW	44.3	103	147.3	84	378.6	7	Ci.-S. S	Cu.	5	Ci.-S. S	Cu.
19..	NNW	NNW	N	NbyW	WSW	WNW	56	63.4	36.8	23.6	179.8	6	A.-Cu. SE	Cu.	9	A.-Cu. S	S.-Cu.
20..	NNW	N	WbyN	WbyS	W	WNW	21.9	44.1	44.1	39.2	149.3	3	Ci.-S.	Cu.	5	Ci.-S. SW	Cu.
21..	NNW	N	NbyE	N	N	NW	86.9	174.1	219.4	116.9	597.3	6	Ci.-S. SE	Cu.	6	A.-Cu. E	Cu.
22..	NNW	N	NNW	NNW	Calm	ENE	82.1	61.2	105.2	67	315.5	4	A.-Cu. S	S.-Cu.	3	Ci.-S. S	Cu.
23..	ENE	ESE	ESE	WNW	Calm	SbyW	70	53.9	53.1	27.6	204.6	10	A.-Cu.	S.-Cu. SW	10	A.-Cu.	S.-Cu. SW
24..	NW	N	NbyE	N	N	NbyE	64.2	125.5	176.7	137.1	503.5	7	A.-Cu. E	S.-Cu.	4	A.-Cu. E	Cu. NE
25..	N	NNE	N	NNW	NNE	NE	115.1	115.1	135.2	75	440.4	6	Ci.-S. SW	Cu. E	2	Ci.-S. SW	Cu. E
26..	NNW	Calm	NNW	NbyW	NbyW	NW	15.9	45.9	128.7	99.2	289.7	3	Ci.-S. SW	Cu.	2	Ci.-S.	Cu. E
27..	NNW	N	N	N	NNE	NW	82.7	111	114.3	127.1	435.1	4	Ci.-S. SW	Cu. E	9	A.-Cu. E	S.-Cu. NE
28..	N	N	N	NNW	NW	WNW	111	78.9	42.4	27.9	260.2	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	S.-Cu. ESE
29..	W	W	WNW	NW	SSW	W	41.5	42.6	64.1	25.9	174.1	6	Ci.-S. SW	Cu.	9	A.-Cu. SE	Cu.
30..	NW	NW	W	WSW	NW	SE	17.9	35.4	49.4	33	135.7	6	Ci.-S.	S.-Cu. SE	10	A.-Cu.	Cu. ENE
Mean	......	......	......	......	......	......	46.9	62.2	90.3	49.7	249.1	5.7	....	....	5.6	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	7,473.4	....	....	....	....	....	....

VIGAN

[ϕ=17° 34′ N; λ=120° 23′ E; barometer above sea, 12.2 meters; gravity correction not applied, —1.61 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.60	59.67	60.03	57.58	59.12	60.08	59.35	25.4	25.5	31.9	33	29.5	28.2	28.9	34.3	24	86	92	73	73	71	70	77.5	....
2..	59.65	59.73	60.84	58.20	58.94	59.80	59.53	27.6	25.5	29	31.6	29.1	28	28.5	32.1	24.6	70	84	78	68	72	66	73	....
3..	59.40	59.30	59.80	57.67	58.11	58.41	58.78	25.3	23.9	30.7	32.5	28	26.3	27.8	33.1	22.7	71	80	71	72	77	76	74.5	....
4..	57.70	58.08	58.64	55.17	56.03	57	57.10	24.8	23.6	30.5	32	28.2	27.2	27.7	33	22.6	83	85	72	72	82	80	79	....
5..	56.21	56.14	57.27	54.95	56.08	56.95	56.27	26.9	26.5	31.1	30.5	28.5	26.8	28.4	33.3	25.9	80	83	69	69	80	92	78.8	....
6..	56.41	56.53	57.81	55.79	56.68	57.71	56.82	26	25.5	29.5	28.5	26.6	25.8	27	30	25	90	87	75	81	87	91	85.2	....
7..	57.35	57.88	58.76	56.58	57.43	58.52	57.75	25.5	24.5	29	31	28	26.2	27.4	31.1	24	86	92	81	72	77	85	82.2	....
8..	58.38	58.33	59.58	57.90	58.20	59.39	58.63	25.3	25.3	29.4	29	27.5	25.4	27	30.9	24.5	87	88	75	78	81	84	82.2	....
9..	58.53	58.56	59.75	57.94	58.50	59.79	58.84	24.4	23.4	30.5	29.5	26.7	25	26.6	31.8	22.7	87	92	72	75	83	90	83.2	....
10..	59.28	60	60.93	58.59	59.15	60.73	59.78	23.9	23	31.1	30.6	27.9	25.7	27	32	22.1	91	95	62	64	77	73	77	....
11..	60.07	60.40	60.75	59.08	59.83	60.61	60.12	23.6	22.5	31.3	29.6	27.9	25.3	26.7	33	21.9	84	87	58	68	77	86	76.7	....
12..	59.65	59.52	60.54	58.85	59.07	59.75	59.56	24.2	23.5	29	29.3	26.1	24.3	26.1	30.3	22.1	89	87	71	73	84	90	82.3	....
13..	59.10	59.27	59.26	56.78	57.47	58.62	58.42	23	22.5	27.6	29	26.3	22.8	25.2	30	21.9	93	92	72	64	70	83	79	....
14..	58.01	58.35	59.07	56.28	57.01	58.25	57.83	22.2	21.9	28.1	30	26.5	25.4	25.7	30.5	21	84	85	62	59	76	68	72.3	....
15..	58.01	58.88	60.29	57.95	58.70	59.43	58.88	23.8	22.4	28.2	28	24.5	22.3	24.9	29.5	21.5	73	78	62	67	75	81	72.7	....
16..	58.78	58.83	60.34	58.40	59.17	60.34	59.31	21.4	20.9	28.3	29.5	26.9	25.3	25.4	30.4	20	83	87	61	58	75	73	72.8	....
17..	59.86	60.62	61.41	59.55	60.25	61.21	60.48	23.1	21.5	29.8	29.5	26.9	24.7	25.9	30.9	20.6	80	87	54	55	74	75	70.8	....
18..	60.81	61.19	62.24	59.84	60.38	61.75	61.04	23	21.5	28.9	30	26.6	24.2	25.7	30.5	20.9	75	86	59	59	79	79	72.8	....
19..	61.26	61.46	62.38	60.18	61.19	62.36	61.47	22.4	21.6	29	30	27.5	25.4	26	30.6	21	82	83	57	55	70	68	69.2	....
20..	61.41	61.76	62.93	61.14	61.91	62.80	61.99	25	24	29	28.5	25	23.2	25.8	30.8	22.4	67	70	58	68	83	83	71.5	....
21..	62.01	62.07	62.85	60.65	61.70	63.06	62.06	22.1	21	28.5	30.1	27.1	25.9	25.8	31.7	20.1	88	90	63	59	53	56	68.2	....
22..	61.95	62.05	62.63	60.28	61.30	62.53	61.79	23.8	22.6	29.4	29.2	28.2	25.7	26.5	31.4	21.4	71	74	55	63	56	64	63.8	....
23..	62.07	61.52	61.74	59.38	60.35	61.25	61.05	22.7	22.1	29	31	27.4	26.4	26.4	32.5	21.1	74	81	61	62	73	76	71.2	....
24..	60.32	60.47	61.46	58.71	58.80	59.51	59.88	24.7	24	28.9	27.6	24.9	22.7	25.5	29.8	21.7	86	83	65	70	83	87	79	....
25..	58.86	59.69	60.56	58.39	59.03	60.20	59.46	21.9	21.4	28.5	29.4	25.6	24.2	25.2	30.7	20.6	88	87	61	62	79	74	75.2	....
26..	59.67	60.04	60.58	58.61	59.27	59.71	59.65	22.9	21.5	29.2	30.6	26.7	24.4	25.9	31.5	20.5	79	84	57	57	75	83	72.5	....
27..	59.62	60.32	61.61	59.23	60.24	60.94	60.33	23.5	22.8	29.7	29.9	27.4	23.8	26.2	30.9	21.7	83	84	63	51	70	78	71.5	....
28..	60.91	61.27	62.31	59.75	60.41	61.34	61	22.3	21.7	27.4	27.9	25.5	23.4	24.7	28.7	20.6	85	87	61	61	66	73	72.2	....
29..	60.91	61.53	62.45	59.96	61.50	62.98	61.56	22	21	27.1	27.6	22.9	19.9	23.4	28.5	18.9	76	77	55	59	71	74	68.7	....
30..	62.46	62.91	63.34	60.85	61.72	62.53	62.30	19.9	19.9	26	28.2	23.5	22.6	23.4	29	18.6	71	68	45	38	46	43	51.8	....
31..	61.82	62.47	63.66	61.46	62.31	62.84	62.43	22.1	21.4	26.8	27.5	24.8	23	24.3	30	20.5	47	54	50	47	59	61	53	....
Mean	59.68	59.96	60.83	58.57	59.35	60.34	59.79	23.7	22.9	29.1	29.7	26.7	24.8	26.2	31.1	21.8	80.3	83.5	63.8	63.8	73.6	76.2	73.5	....
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	0

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	WbyN	WbyN	EbyN	NE	NNE	NE	24.3	67.1	96.6	76.1	264.1	9	A.-Cu.	S.-Cu.	6	A.-Cu. S	Cu.
2..	NW	WNW	NNW	N	NNE	E	41.3	38.6	85.3	93.8	259	9	A.-Cu.	S.-Cu. E	8	A.-Cu. SE	S.-Cu. E
3..	ENE	Calm	W	SW	SW	NW	49.7	43.1	54.4	36.2	183.4	4	Ci.-S. S	Cu.	5	A.-Cu.	Cu. E
4..	Calm	WbyN	WNW	WNW	SW	NW	22.5	36.5	66.3	23.8	149.1	6	Ci.-S.	Cu. ESE	6	Ci.-S. S	Cu.
5..	NW	NW	WSW	WNW	SW	Calm	25.4	32.[illegible]	41.6	17.9	117.4	10	A.-Cu. E	S.-Cu.	10	A.-Cu. S	S.-Cu. S
6..	SW	SW	SW	NW	NNW	NW	14.7	20.7	63.6	19	118	10	A.-Cu. S	Cu.	9	A.-Cu. S	Cu.-N. NE
7..	SW	SSW	NW	NNW	EbyS	N	16.6	39.2	68.9	38.9	163.6	5	Ci.-S. SE	Cu.	4	Ci.-S.	Cu. NW
8..	EbyS	EbyS	WbyN	WbyN	WNW	WNW	34.8	40.8	49.1	16.9	141.6	9	A.-Cu.	S.-Cu. E	9	A.-Cu.	Cu. WSW
9..	WNW	Calm	SW	N	NW	WNW	10.8	10	47	18.5	86.3	6	A.-Cu. S	Cu.	9	A.-Cu.	Cu.-N. ENE
10..	NW	NW	Calm	WNW	W	SSW	16.1	31.2	52.9	37.5	137.7	3	Ci.-S.	Cu.	3	Ci. SW	Cu.
11..	N	NNE	SbyW	WbyN	W	W	19.9	40.8	57.9	23.5	142.1	2	Ci.-S.	Cu.	3	Ci.-S.	Cu. NE
12..	S	ESE	NbyW	NW	N	NW	38.8	54.4	110.2	55.2	258.6	3	Ci.-S.	Cu.	5	A.-Cu.	Cu. NW
13..	N	N	N	N	N	NW	53.4	129.5	182.4	50.9	416.2	2	Ci.-S.	Cu.	2	....	Cu.
14..	NW	NNW	NW	NW	NNW	SE	25.5	38.8	84	47.3	195.6	3	A.-Cu. S	Cu.	3	A.-Cu. SW	Cu.
15..	E	EbyN	N	N	N	NW	36.7	67	191.5	67.1	362.3	3	A.-Cu.	Cu.	3	Ci.-S.	Cu. N
16..	NNW	NNW	NW	WNW	Calm	SE	31.9	51.5	75.6	27.7	186.7	2	Ci.-S.	Cu.	1	....	Cu.
17..	Calm	SE	ESE	NW	NW	NW	14.2	32.5	73	22	141.7	1	....	Cu.	1	A.-Cu.	Cu.
18..	NW	NNE	NW	NNW	NbyW	NW	26	43.5	112	25.7	207.2	2	A.-Cu. N	Cu.	2	....	Cu.
19..	NNW	NNW	WNW	WNW	WNW	S	23.1	37	62.2	41.3	163.6	7	A.-Cu. NW	Cu.	4	Ci.-S. W	Cu.
20..	SE	E	NW	NNW	N	N	34.6	55	151.3	144.8	385.7	9	A.-Cu. W	S.-Cu.	9	A.-Cu. W	Cu. N
21..	N	N	NbyW	NNW	NE	EbyN	40.2	61.2	109.1	126.9	337.4	4	Ci.-S. SW	Cu.	5	A.-Cu.	Cu. ENE
22..	N	NbyW	NbyW	NW	ESE	NW	52.6	63.8	91.7	55.3	263.4	4	Ci.-S. SW	Cu.	6	A.-Cu.	Cu. E
23..	NNW	NNW	NW	WNW	SSW	SW	35.1	48	75.4	46.1	204.6	2	Ci.-S.	Cu.	7	A.-Cu. SE	Cu. E
24..	E	E	N	NbyE	NbyW	NW	33.2	81.9	207.6	75.6	398.3	7	Ci.-S.	Cu. N	8	Ci.-S.	Cu. N
25..	NW	N	NbyW	NNW	NNW	NW	19.3	51.5	130.4	44.3	245.5	6	Ci.-S.	Cu. E	3	Ci.-S.	Cu.
26..	NW	NW	NW	SW	W	WNW	29.8	43.5	48.8	19	141.1	2	Ci.-S.	Cu.	3	Ci.-S.	Cu.
27..	W	W	NNW	NW	NNW	NW	28.8	49.9	108.3	55.3	242.3	6	Ci.-S. SE	Cu.	6	Ci.-S. S	Cu.
28..	N	N	NbyE	NNW	N	N	56.5	158	228.8	107.5	550.8	6	Ci.-S. S	Cu.	2	Ci.-S.	Cu.
29..	N	NNW	N	N	NbyE	NbyW	69.2	98.2	185.3	114	466.7	2	Ci.-S. W	Cu.	2	Ci. W	Cu.
30..	NbvW	NbyE	EbyN	ENE	NE	NE	75.9	99.5	151.3	172.2	498.9	6	A.-Cu. W	Cu.	2	Ci.-S.	Cu.
31..	NE	ENE	ESE	NW	NbyW	ESE	137.4	96	83.2	36.8	353.4	3	Ci.-S.	Cu.	3	Ci.-S. SW	Cu.
Mean	......	......	......	......	......	......	36.7	56.8	101.5	56	251	4.9	......	......	4.8	......	......
Total	......	......	......	......	......	......	......	......	......	......	7,782.3	......	......	......	......	......	......

TUGUEGARAO

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 22 meters; gravity correction not applied, −1.61 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	mm.
1..	62.41	63.14	64.19	61.28	61.63	62.84	62.58	20.7	20.4	24.5	30.6	26.4	22.5	24.2	31	19.7	96	95	87	53	75	92	83	....
2..	62.39	63.25	64.57	61.55	62.27	63.78	62.97	21	21	26	30	24.6	23	24.3	30.6	20	95	95	78	62	84	90	84	....
3..	62.86	63.55	64.78	62.71	63.16	63.94	63.50	22.6	22	25.2	28	25	23.2	24.3	29.1	21.6	91	94	79	69	80	92	84.2	....
4..	63.90	64.01	65.18	63.20	63.79	65.10	64.20	22	22.2	25.2	29.1	24.7	22.6	24.3	29.8	21.3	95	95	91	69	79	90	86.5	3.3
5..	64.83	65.19	66.61	65.28	66.40	68.20	66.08	22.5	22	23.5	25	22.4	20.5	22.6	26.7	19.9	94	96	91	76	89	83	88.2	....
6..	67.98	68.52	69.06	67.36	67.61	67.97	68.08	19.8	19	22.4	25.2	22	20.7	21.5	25.6	18.5	92	91	79	74	81	88	84.2	....
7..	66.96	66.88	67.08	64.78	65.15	65.46	66.05	19.9	19.3	23.2	26.5	23.5	22.5	22.5	27.5	19	92	95	77	67	82	90	83.8	....
8..	64.58	65	65	61.68	62.06	62.92	63.54	21.3	20.7	24.4	31.1	25.3	23.1	24.3	31.1	20.4	95	99	82	59	81	91	84.5	....
9..	61.45	61.88	62.68	60.04	61.09	61.64	61.46	20.8	20.5	25.3	31.7	22.7	23	24	33.2	20.2	95	99	83	58	92	87	85.7	87.1
10..	60.02	60.47	61.88	58.71	58.86	60.44	60.06	21.7	21.7	24	31.8	26.2	23	24.7	32.2	21	95	98	90	55	79	92	84.8	....
11..	59.81	59.87	61.23	58.71	59.12	60.80	59.92	21.8	21.6	24.6	30.3	27	22.5	24.6	31.6	21.1	96	96	83	66	77	89	84.5	....
12..	59.65	60.04	61.82	59.38	59.54	61.12	60.26	21.3	21.5	24.4	30	25.3	21.7	24	31.1	21	98	97	86	59	78	91	84.8	....
13..	60.24	61.07	62.91	60.27	61.13	62.51	61.36	20.7	19	23.8	30	25	21.4	23.3	30.3	18.7	92	95	80	53	73	92	80.8	....
14..	62.20	62.93	65.34	63.53	63.60	64.03	63.60	20.3	21	22.6	26	24	22.7	22.8	26.1	19.3	93	96	89	80	96	92	91	....
15..	63.39	63.80	64.44	61.96	62.05	63.77	63.24	21.8	21.1	24.5	30.7	27.5	22.8	24.7	31.8	20.8	98	96	83	58	78	97	85	....
16..	63.27	63.26	63.90	62.08	62.52	64.28	63.22	22.8	22.8	24.1	29.4	25.8	23.2	24.7	31.1	21.8	97	95	89	72	75	90	86.3	10.2
17..	63.53	64.39	66.08	63.90	64.03	65.58	64.58	22	21.2	24.8	30	25.8	23.1	24.5	31	20.9	92	95	85	62	78	90	83.7	....
18..	64.53	65.09	66.78	64.13	64.03	65.04	64.93	20.7	19.5	23.1	30.2	26.7	22.5	23.8	31.8	19.3	99	99	86	58	75	91	84.7	....
19..	64.84	65.35	66.71	65.28	66.03	66.63	65.81	20.7	19.4	22.8	24.5	23.5	21.7	22.1	27	19.1	94	98	89	90	79	86	89.3	....
20..	66.07	66.12	66.93	64.47	65.08	66.01	65.78	21.1	20.3	23.6	26.3	22	21.4	22.4	27.5	19.7	89	92	75	63	77	82	79.7	....
21..	64.91	65.91	66.86	64.08	64	64.78	65.09	20.3	20	22.2	27.5	23.5	20.8	22.4	27.5	19	95	95	86	64	79	88	84.5	....
22..	64.19	65.20	66.21	63.42	63.60	64.50	64.52	19	19	22.7	30.1	24.6	20	22.6	31.8	18.4	94	95	84	47	72	89	80.2	....
23..	63.32	64.36	65.24	62.30	61.98	63.49	63.45	19.4	18.5	23.3	30.1	24.9	20.3	22.8	31	18.2	91	95	72	47	63	84	75.3	....
24..	62.87	63.55	63.93	61.30	61.41	62.53	62.60	18.3	15.8	23.5	30.5	26.2	20.1	22.4	31.2	15.5	97	96	72	41	69	85	76.7	....
25..	61.97	62.82	64.75	61.99	61.79	63.35	62.78	18.2	16.7	20.4	30	25.6	20.1	21.8	31.4	15.8	93	93	91	53	59	90	79.8	....
26..	62.60	63.86	65.55	62.39	62.78	63.93	63.52	17.7	17	22.2	30.1	25	20.5	22.1	33.2	15.8	95	96	81	48	64	86	78.3	....
27..	63.12	64.13	65.33	62.13	62.77	64.09	63.58	17.5	15.8	24.9	30.5	25.5	20.4	22.4	31.5	15.5	93	94	65	58	67	82	76.5	....
28..	63.42	64.25	64.95	62.28	62.10	63.08	63.35	18.2	16.4	23.2	29.3	25	22.2	22.4	29.7	16	95	94	73	54	73	89	79.7	....
29..	62	63.07	64.09	61.09	61.27	62.60	62.35	21.1	19.5	24.5	32	28	24	24.8	32.7	19	92	97	79	49	66	83	77.7	....
30..	61.58	62.56	64.37	61.19	61.16	63.29	62.36	21	18.7	24.4	32.2	27.7	22.6	24.4	33.6	18.6	89	96	76	46	62	89	76.3	....
31..	61.46	62.05	63.65	60.43	60.47	61.86	61.65	21.3	21	24	31.2	25.4	21.6	24.1	33	20.4	95	93	79	49	90	93	83.2	....
Mean	63.11	63.73	64.91	62.35	62.66	63.86	63.43	20.6	19.8	23.8	29.4	25.1	21.9	23.4	30.4	19.2	94.1	95.5	81.9	60	76.5	88.8	82.8	....
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	100.6

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction.		Amount.	Form and direction.	
															Upper.	Lower.		Upper.	Lower.
		0–12		0–12		0–12		0–12		0–12		0–12	0–12	0–10			0–10		
1..	SW	1	S	1	SW	1	SSE	2	Calm	....	Calm	....	0.8	7	....	Cu.-N.	0	....	....
2..	Calm	....	Calm	....	NE	1	NE	3	N	3	NW	2	1.5	0	....	....	5	....	Cu. N
3..	NW	1	NE	1	NE	1	N	2	N	3	NW	3	1.8	7	....	S.-Cu. N	9	....	Cu.-N. N
4..	NW	2	Calm	....	NW	1	NW	1	NE	3	NW	2	1.5	8	....	Cu.-N. N	6	....	Cu. N
5..	NW	2	NW	3	WNW	2	NE	3	NW	1	NW	3	2.3	10	....	N. N	10	....	Cu.-N. NE
6..	NW	3	NW	2	N	1	NW	1	NW	1	Calm	....	1.3	7	....	S.-Cu. N	8	....	Cu. N
7..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	SE	1	.2	5	....	Cu. S	10	....	Cu.-N. NE
8..	S	1	SW	1	SE	2	S	1	SE	2	SW	1	1.3	6	....	S.-Cu.	3	....	Cu.
9..	SE	1	S	1	SE	1	SE	1	S	1	Calm	....	.8	0	....	....	5	....	Cu. S
10..	Calm	....	Calm	....	S	1	S	1	Calm	....	Calm	....	.3	8	....	Cu.-N.	2	....	Fr.-Cu. S
11..	SE	1	Calm	....	S	1	SW	1	NE	1	N	1	.8	6	....	S.-Cu.	0	....	....
12..	S	2	SE	2	S	1	SW	1	N	2	NE	1	1.5	0	....	....	2	....	Fr.-Cu. S
13..	NW	1	Calm	....	SW	1	NW	1	NW	1	NW	2	1	7	....	S.-Cu. E	3	....	Cu. N
14..	Calm	....	Calm	....	SW	1	S	1	Calm	....	Calm	....	.3	10	....	S.-Cu. N	10	....	Cu.-N. S
15..	SW	1	SW	1	SW	1	SW	1	Calm	....	Calm	....	.7	9	....	S.-Cu. S	5	....	Cu. S
16..	Calm	....	Calm	....	Calm	....	NE	1	Calm	....	NW	1	.3	10	....	N.	4	Ci.-Cu.	Cu.-N.
17..	N	1	Calm	....	Calm	....	NW	1	Calm	....	Calm	....	.3	5	....	S.-Cu.	7	....	Cu.-N. S
18..	Calm	....	Calm	....	SSW	1	SSW	1	NW	1	Calm	....	.5	1	Ci.	....	2	....	Cu.
19..	Calm	....	Calm	....	SE	1	N	1	NNW	3	NE	3	1.3	0	....	....	10	....	Cu.-N. N
20..	NW	1	NW	2	N	3	NE	2	N	1	NW	2	1.8	10	....	Cu.-N. N	8	....	Cu.-N. NE
21..	N	1	Calm	....	Calm	....	E	1	N	1	Calm	....	.5	10	....	N.	6	....	Cu. N
22..	NE	1	Calm	....	N	1	W	1	NNE	1	N	1	.8	3	....	S.-Cu.	5	....	Cu. NW
23..	SE	1	S	1	S	2	SE	1	SE	1	Calm	....	1	4	....	S.-Cu.	0	....	....
24..	Calm	....	Calm	....	SE	1	SW	1	Calm	....	Calm	....	.3	0	....	....	0	....	....
25..	Calm	....	Calm	....	SW	1	E	1	Calm	....	Calm	....	.3	0	....	....	0	....	....
26..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	0	....	....	0	....	....
27..	Calm	....	Calm	....	S	1	NE	1	NE	1	Calm	....	.5	4	....	Cu. S	0	....	....
28..	Calm	....	Calm	....	Calm	....	W	1	Calm	....	Calm	....	.2	0	....	....	10	....	Cu.-N. N
29..	Calm	....	Calm	....	SE	1	S	2	S	1	Calm	....	.7	0	....	....	4	....	Cu. S
30..	Calm	....	Calm	....	W	1	SW	1	Calm	....	Calm	....	.3	2	Ci.	....	2	....	Fr.-Cu.
31..	SE	1	SE	2	E	1	NNW	1	Calm	....	Calm	....	.8	10	....	N. S	0	....	....
Mean	......	0.7	......	0.5	......	1	......	1.2	......	0.9	......	0.7	0.8	4.8	....	....	4.4	....	....

TUGUEGARAO

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 22 meters; gravity correction not applied, —1.61 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	62.05	62.37	62.87	61.38	61.52	62.80	62.16	20.2	19.1	23.8	32	27.6	22.5	24.2	33	18.3	93	96	74	50	67	87	77.8	....
2..	62.08	63.25	64.30	61.90	62.13	63.78	62.91	20.8	18.8	25	33.2	29.5	24	25.2	34	18.5	91	96	76	44	58	69	72.3	....
3..	63.65	64.71	65.28	62.25	62.51	64.48	63.81	22	21	25.8	32.5	28.4	24.1	25.6	33.9	20.6	91	95	84	34?	63	91	76.3	....
4..	64.19	64.91	66.58	64.90	66.83	68.08	65.92	23.1	22.1	25.6	25.6	21.7	20.2	23	29	19.3	92	95	77	83	95	91	88.8	....
5..	67.36	68.35	69.56	67.25	68.50	69.08	68.35	19.8	19.5	21.6	23.5	20.4	19.4	20.7	24.6	18.3	87	86	77	70	82	90	82	....
6..	67.07	68.77	69.43	66.71	66.83	67.50	67.72	18.2	18.8	22.2	27	25	21.5	22.1	28.1	17.2	93	97	85	65	83	83	84.3	....
7..	66.34	67.41	67.98	64.82	65.63	66.25	66.40	18.2	17	24	29	26	22.2	22.7	30.2	16.6	91	94	72	62	69	85	78.8	....
8..	65.15	65.35	66.60	62.86	63.27	65.66	64.82	19.7	18.7	24.6	33.3	28	24.2	24.8	34	17.8	94	93	75	46	59	69	72.7	....
9..	64.05	65.07	66.32	62.87	63.30	64.53	64.36	21	19.5	23	32.3	27.2	22.6	24.3	33.1	19.2	87	94	97	45	63	88	79	....
10..	63.66	64.07	65.53	62.51	62.86	64.05	63.78	21	19.3	24.4	30.8	25.8	22.3	23.9	31.8	18.8	92	97	76	54	75	90	80.7	....
11..	63.66	64.88	65.37	62.18	62.53	64.73	63.88	21.3	20.3	24.9	32.2	27.5	22.1	24.7	33.1	20	94	92	66	42	61	81	72.7	....
12..	63.68	64.04	64.75	61	61.35	62.91	62.96	21.9	19.9	25.2	32.6	28.4	24	25.3	33.6	19.2	86	91	68	38	57	78	69.7	....
13..	62.70	62.60	64.21	60.91	61.26	62.74	62.40	21.2	19.8	25.8	33.8	28.2	25.4	25.7	35.1	19.4	84	90	65	49	70	98	76	2.5
14..	62.63	63.22	64.58	62.38	62.63	63.95	63.23	24.3	22.8	26	30.3	26	23.7	25.5	32	22.4	91	96	88	60	78	88	83.5	2
15..	63.38	63.91	64.83	62.54	61.94	63.35	63.32	22.9	22.8	25	32.8	26.8	24.4	25.8	33.5	21.9	96	98	83	48	79	82	81	....
16..	63.28	63.10	63.80	60.96	61.56	62.23	62.49	23.9	21.6	25.1	32	25.4	22.9	25.2	33.8	20.4	85	90	83	54	68	88	78	....
17..	61.69	62.04	62.37	59.69	60.15	61.20	61.19	22.3	20.9	24.6	30.6	25.5	22	24.3	31.5	19.7	85	87	68	50	76	86	75.3	....
18..	60.66	61.24	62.28	59.53	60.34	62.03	61.01	20.4	20.1	24	30	24.2	21.9	23.4	31	19.5	92	90	75	50	86	95	81.3	....
19..	61.78	62.85	63.15	60.40	60.23	62.30	61.78	20.7	19.6	24.8	31	26.8	22.6	24.2	33	18.9	97	99	74	47	69	78	77.3	....
20..	61.75	62.64	62.69	58.87	59.48	60.17	60.93	21	20.2	25	32	27.6	23.5	24.9	32.6	19.8	91	93	78	48	63	83	76	....
21..	60.18	60.44	61.23	57.85	58.36	59.62	59.61	21.6	20	27.4	34.5	27.5	23.9	25.8	35.1	19.6	88	92	67	42	70	84	73.8	....
22..	59.54	60.01	61.13	58.15	58.53	60.32	59.61	22	21.7	26.2	34.1	27.6	24.6	26	34.9	21.2	95	92	76	48	69	82	77	....
23..	59.32	60.10	61.02	58.23	58.97	60.90	59.76	23.3	21.3	27.3	35	30	23.8	26.8	35.9	20.7	89	93	76	56	58	85	76.2	....
24..	60.81	61.45	62.08	58.81	60.04	62.12	60.88	22	20	26.6	33.8	26.6	24.1	25.5	35.5	18.8	94	93	73	40	67	81	74.7	....
25..	61.48	62.35	63.99	61.83	62.09	63.55	62.55	22.4	21.8	26.1	27	23.5	22.5	23.9	28.8	20.8	93	96	61	59	63	68	73.3	....
26..	62.78	63.70	64.50	61.62	61.48	63.38	62.91	20.1	17.6	24.9	31.1	26.8	22.1	23.8	31.5	17	77	89	62	45	54	75	67	....
27..	62.13	63.02	64	60.87	60.20	62.19	62.07	19.8	17.5	25.8	32.9	28.3	22	24.4	34.5	17.1	82	91	61	36	54	81	67.5	....
28..	62.04	62.94	63.09	60.67	59.98	62.18	61.82	21.3	20.6	26.5	32.4	29.4	24.1	25.7	33.1	20.5	84	90	64	37	50	76	66.8	....
Mean	62.82	63.52	64.41	61.57	61.95	63.43	62.95	21.3	20.1	25	31.3	26.6	23	24.6	32.5	19.3	89.8	93	74.3	50.1	68.1	83.3	76.4	....
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	4.5

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	S	1	SE	1	SE	1	W	1	N	1	Calm	....	0.8	0	....	....	3	....	Fr.-Cu.
2..	S	1	Calm	....	SE	1	SE	1	Calm	....	Calm	....	.5	0	....	....	4	....	Fr.-Cu. S
3..	Calm	....	SE	1	SE	2	SE	1	Calm	....	NE	1	.8	10	....	N.	2	....	Fr.-S.
4..	SE	1	SE	1	W	1	N	3	NE	2	NE	3	1.8	10	....	S.-Cu. S	8	....	Cu.-N. N
5..	NE	3	NE	4	N	3	NE	4	NE	4	NE	1	3.2	10	....	Cu.-N. N	8	....	Cu.-N. N
6..	NE	1	NE	1	Calm	....	Calm	....	Calm	....	Calm	....	.3	10	....	N.	8	....	Cu.-N. N
7..	Calm	....	Calm	....	SE	1	NE	1	SE	1	Calm	....	.5	0	....	....	7	....	Cu.-N. N
8..	Calm	....	Calm	....	Calm	....	NW	1	NE	1	Calm	....	.3	0	....	....	4	....	Fr.-Cu. N
9..	Calm	....	Calm	....	N	1	W	1	N	1	Calm	....	.5	0	....	....	5	....	Cu. N
10..	SE	1	S	1	SW	1	NE	1	NW	1	N	1	1	10	....	N.	2	....	Fr.-Cu.
11..	S	1	SE	1	SW	1	N	1	NW	1	SE	1	1	0	....	....	5	Ci.	Fr.-Cu. N
12..	SE	1	Calm	....	SW	1	SE	1	NE	1	Calm	....	.7	8	....	Cu.	0	....	....
13..	Calm	....	Calm	....	Calm	....	Calm	....	NE	1	NE	3	.7	0	....	....	0	....	....
14..	NE	1	Calm	....	NW	1	NE	1	N	1	Calm	....	.7	10	....	N. N	8	....	Cu.-N. N
15..	NE	1	N	1	E	1	Calm	....	N	1	Calm	....	.7	10	....	Cu.-N. N	6	....	Cu. NE
16..	NE	1	Calm	....	Calm	....	NNW	1	NE	1	N	1	.7	6	....	Cu. N	6	....	Cu. N
17..	NW	1	Calm	....	N	1	N	1	NNW	1	N	1	.8	5	....	S.-Cu. N	6	....	Cu. NW
18..	Calm	....	Calm	....	W	1	N	1	N	1	Calm	....	.5	8	....	S.-Cu. S	8	....	Cu. NW
19..	Calm	....	Calm	....	SW	1	NW	1	N	1	Calm	....	.5	0	....	....	6	....	Cu. N
20..	Calm	....	Calm	....	SW	1	SW	2	SW	1	Calm	....	.7	8	A.-Cu.	S.-Cu.	4	....	Cu.
21..	Calm	....	Calm	....	SW	1	Calm	....	NW	2	NW	2	.8	3	....	Cu.	6	....	Cu.
22..	Calm	....	Calm	....	Calm	....	Calm	....	NbyW	2	NW	1	.5	9	....	Cu.	7	....	Cu.
23..	Calm	....	Calm	....	SW	1	Calm	....	NW	2	NW	2	.8	0	....	....	4	....	Cu.
24..	Calm	....	Calm	....	SW	2	NW	2	NW	3	NW	2	1.5	0	....	....	3	....	S.-Cu.
25..	Calm	....	NW	1	NbyW	3	N	4	NbyW	3	NW	2	2.2	5	....	S.-Cu.	8	....	Cu.
26..	Calm	....	Calm	....	SW	2	N	1	NW	2	Calm	....	.8	0	....	....	6	....	Cu.
27..	Calm	....	Calm	....	SW	2	NW	1	NW	1	Calm	....	.7	4	Ci.-S.	....	8	Ci.-S.	Cu.
28..	Calm	....	Calm	....	NW	2	NW	1	SW	1	SW	2	1	7	....	S.-Cu.	7	Ci.-S.	S.-Cu.
Mean	......	0.5	......	0.4	......	1.1	......	1.1	......	1.3	......	0.8	0.9	4.8			5.3		

NOTE.—The temperatures for February 10 to 25, are taken from a self-recording apparatus.

TUGUEGARAO

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 22 meters; gravity correction not applied, —1.61 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	mm.	mm.	mm.	mm.	mm.	mm.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	P.ct.	mm.
1..	61.65	62.48	63.04	59.58	59.18	61.22	61.19	21.6	19.1	25.9	34	29.3	23	25.5	34.8	18.9	91	89	66	38	54	79	69.5	....
2..	60.68	61.71	63.18	60.56	60.43	62.78	61.56	21	19	26.7	32.1	28.5	22.8	25	34.6	18.9	90	92	62	43	49	72	68	....
3..	62.09	63.65	64.48	62.06	61.99	63.16	62.90	20.6	18.4	27.8	31.7	29	24	25.2	32.1	18	76	91	58	47	57	74	67.2	....
4..	62.20	63.50	64.58	61.53	61.19	62.86	62.64	21.7	19.3	27	32.9	30.3	25.2	26.1	34.8	19	80	88	63	44	51	71	66.2	....
5..	61.98	62.80	63.78	61.01	60.41	62.74	62.12	22.8	20.4	28.2	34.8	30.7	24	26.8	35.9	20.2	78	87	53	36	46	75	62.5	....
6..	62.06	62.64	63.47	60.90	60.30	62.51	61.98	21.6	19.2	27.5	34.9	31.8	23.9	26.5	36.4	18.9	81	88	52	30	40	76	61.2	....
7..	61.70	62.78	63.46	60.56	60.14	62.63	61.88	21.9	19.9	28.1	34.4	31	24.5	26.6	35.5	19.4	83	91	58	37	45	75	64.8	....
8..	61.28	63.05	63.49	60.12	59.94	62.46	61.72	21.4	18.3	28.4	34.6	31.3	23.8	26.3	36.2	17.7	79	84	52	34	43	79	61.8	....
9..	61.68	62.79	63.06	60.21	59.96	62.52	61.70	21.3	18.8	28.9	34.1	30	26	26.5	36.4	18.6	86	95	55	40	54	72	67	....
10..	61.87	63.03	63.93	60.49	60.56	62.83	62.12	23.9	21.8	28.8	35.3	30.4	25.3	27.6	36.6	21	78	84	56	34	48	70	61.7	....
11..	62.02	63.40	64.33	61.46	61.17	62.33	62.45	23.6	21.8	28	31.5	27	23.8	26	34.3	21.5	76	84	62	52	66	77	69.5	....
12..	61.33	62.86	63.88	60.34	60.01	62.27	61.78	22.5	21.3	28.9	36.4	30.9	25.5	27.6	37	20.6	81	84	53	32	48	72	61.7	....
13..	61.49	62.82	63.98	60.36	59.81	61.80	61.71	23.8	22.1	28.9	35.4	31.3	26.4	28	36.6	21.9	79	87	61	38	44	68	62.8	....
14..	60.94	62.33	63.82	60.14	60.02	62.31	61.59	24.1	21.9	29.8	35.9	32.5	26	28.4	36.9	21.6	78	88	53	32	36	75	60.3	....
15..	60.88	62.70	64.12	60.79	60.58	62.48	61.92	23.4	20.8	29.8	35.2	29.8	24.5	27.2	36.2	20.5	80	88	56	39	55	79	66.2	....
16..	62.19	63.20	64.32	60.55	60.10	62.41	62.13	24	23.5	28.5	35.9	30	25.2	27.8	37.5	22.9	83	90	62	33	47	78	65.5	....
17..	61.67	62.43	63.62	60.74	60.14	63.02	61.94	23.7	22.3	30	35.5	31.9	25	28.1	37.1	21.9	84	88	44	35	44	68	60.5	....
18..	62.15	63.07	64.26	60.76	60.83	63.56	62.44	21.9	18.8	29.3	36.8	30.8	25.1	27.1	38.4	18.6	75	83	47	24	47	79	59.2	....
19..	62.95	63.65	64.68	61.49	61.04	63.66	62.91	24.7	20.4	29.3	36.3	31.4	24.9	27.8	38.8	20.3	70	91	53	29	43	76	60.3	....
20..	62.69	63.63	64.34	61.46	60.36	61.98	62.41	22.6	20.3	29.3	32.4	31.3	26.3	27	35.2	20	82	88	60	47	49	67	65.5	....
21..	61.05	61.63	62.27	58.66	58.72	60.86	60.53	23.7	21.2	29.4	37	31.5	26	28.1	38.4	20.9	76	87	56	32	49	75	62.5	....
22..	59.95	61.01	61.30	58.13	58.83	60.87	60.02	24.5	23	29.8	36.2	30	26.8	28.4	38.8	22.4	71	88	56	39	62	76	65.3	....
23..	59.84	60.94	61.16	58.28	58.32	59.96	59.75	25.2	23.5	25.6	37.8	32.1	26.4	28.4	38.4	23	82	89	88	37	52	73	70.2	....
24..	59.73	60.29	61.81	58.44	58.56	60.41	59.87	25.2	24	29.8	35.8	30.6	26	28.6	38.5	23.6	80	87	65	41	60	81	69	....
25..	59.93	60.25	61.17	58.61	59.24	61.91	60.18	25.4	24.8	31.4	36.9	31	27.3	29.5	38.4	24	84	89	62	39	55	71	66.7	....
26..	61.57	62.90	63.26	59.76	59.44	62.40	61.56	24.4	21.5	31.2	36.8	30	24.6	28.1	38	21.4	80	91	47	27	50	69	60.7	....
27..	61.09	61.60	62.53	58.76	58.17	60.61	60.46	22	19.4	29	35.5	30.4	25.4	27	38	19.2	77	87	52	35	52	75	63	....
28..	60.25	61.61	62.21	58.49	59.02	61.38	60.49	23.3	21.3	29.5	37.3	30.3	25.4	27.8	38.5	21	82	88	55	33	53	77	64.7	....
29..	60.59	61.02	62.27	59.02	58.86	61.41	60.53	24.4	23.3	29.8	36.3	29.8	27.6	28.5	38.4	22.3	81	85	54	35	54	62	61.8	....
30..	60.26	60.71	61.28	57.74	58.56	60.78	59.89	25.4	24.5	30.7	34.2	27.7	25.8	28	35.4	24.2	73	79	55	45	68	76	66	2.5
31..	59.78	59.41	60.72	57.87	58.64	60.12	59.42	24.8	23.8	27.3	29.6	24.3	23.8	25.6	32.7	23	84	93	76	64	93	91	83.5	17.8
Mean	61.28	62.25	63.15	59.96	59.82	62.01	61.41	23.2	21.2	28.8	35	30.2	25.2	27.3	36.6	20.8	80	87.8	57.8	37.8	52.1	74.5	65	....
Total	.....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20.3

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		0–12		0–12		0–12		0–12		0–12	0–12	0–10			0–10		
1..	Calm	....	Calm	....	NW	2	SW	2	Calm	....	Calm	....	0.7	4	A.-Cu.	S.-Cu.	3	....	Cu.
2..	Calm	....	Calm	....	SW	1	Calm	....	N	2	Calm	....	.5	6	....	Cu.	7	....	Cu.
3..	Calm	....	Calm	....	NE	2	NE	1	SW	1	Calm	....	.7	3	....	S.-Cu.	10	....	Cu.
4..	Calm	....	Calm	....	SW	2	NE	2	SE	2	Calm	....	1	0	....	....	9	....	Cu.
5..	Calm	....	Calm	....	SW	3	SE	3	Calm	....	Calm	....	1	0	....	....	3	....	Cu.
6..	Calm	....	NE	2	NE	2	NW	2	NW	2	Calm	....	1.3	0	....	....	0	....	....
7..	Calm	....	Calm	....	SW	2	SW	3	SE	2	Calm	....	1.2	3	Ci.-S.	....	4	....	Cu.
8..	Calm	....	SE	1	SE	2	SW	3	SE	2	Calm	....	1.3	0	....	....	0	....	....
9..	Calm	....	Calm	....	SW	2	SW	3	SE	2	Calm	....	1.2	0	....	....	7	....	Cu.
10..	Calm	....	Calm	....	Calm	....	NW	2	SE	2	SW	2	1	10	....	Cu.	7	....	Cu.
11..	Calm	....	Calm	....	N	1	NE	1	NE	1	Calm	....	.5	7	Ci.-S.	S.-Cu.	10	....	Cu.
12..	Calm	....	Calm	....	SE	2	NW	2	NW	2	NW	2	1.3	7	....	Cu.	6	....	Cu.
13..	Calm	....	Calm	....	W	1	NW	1	N	2	Calm	....	.7	8	....	Cu.	7	....	Cu.
14..	Calm	....	Calm	....	NE	2	SW	2	NW	1	Calm	....	.8	10	....	Cu.	4	....	Cu.
15..	Calm	....	Calm	....	N	2	NW	2	NW	2	NW	3	1.5	0	....	....	6	....	Cu.
16..	Calm	....	Calm	....	SW	2	NW	1	NW	3	NW	1	1.2	8	....	Cu.	6	....	Cu.
17..	Calm	....	SW	1	SE	2	SW	2	N	1	Calm	....	1	3	....	S.-Cu.	0	....	....
18..	Calm	....	Calm	....	SW	3	N	1	NW	2	Calm	....	1	0	....	....	0	....	....
19..	Calm	....	NE	1	SW	2	NE	1	NW	2	NW	2	1.3	0	....	....	3	....	Cu.
20..	Calm	....	Calm	....	NW	2	SW	2	SW	2	Calm	....	1	0	....	....	9	....	Cu.
21..	Calm	....	Calm	....	NW	1	N	2	NW	2	NW	1	1	3	Ci.-S.	....	7	....	Cu.
22..	Calm	....	Calm	....	SE	2	Calm	....	N	3	NW	3	1.3	0	....	....	9	Ci.-S.	Cu.
23..	Calm	....	NW	1	NW	2	SW	1	NW	3	NW	2	1.5	9	....	Cu.	7	....	Cu.
24..	Calm	....	NW	1	NW	2	N	1	NW	2	NW	2	1.3	4	Ci.-S.	....	6	....	Cu.
25..	Calm	....	Calm	....	N	1	N	1	NW	2	NW	1	.8	10	....	Cu.	8	....	Cu.
26..	Calm	....	Calm	....	NW	2	NW	1	NW	2	NW	1	1	3	Ci.-S.	....	4	....	Cu.
27..	Calm	....	Calm	....	NW	2	SE	2	SW	3	Calm	....	1.2	0	....	....	6	....	Cu.
28..	Calm	....	Calm	....	NW	2	N	1	NW	1	NW	1	.8	7	....	Cu.	7	....	Cu.
29..	Calm	....	Calm	....	NW	2	N	1	N	2	NW	1	1	0	....	....	8	....	Cu.
30..	Calm	....	Calm	....	NW	2	NW	1	NW	2	NW	1	1	10	....	Cu.	10	....	Cu.
31..	Calm	....	Calm	....	NE	1	NW	2	NW	2	NW	1	1	10	....	Cu.	10	....	Cu.
Mean	......	0	......	0.2	......	1.8	......	1.6	......	1.8	......	0.8	1	4	....	....	5.9	....	....

TUGUEGARAO [a]

[φ=17° 36′ N; λ=121° 40′ E; barometer above sea, 22 meters; gravity correction not applied, −1.61 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.56	60.54	61.47	58.21	58.38	60.75	59.82	23.7	23.7	27.6	34	27	25.8	27	34.9	22.8	93	94	76	49	80	84	79.3	....
2..	60.33	61.38	62.46	59.61	59.92	62.12	60.97	24.9	24	29.6	33.9	27.8	25.4	27.6	35.1	23.4	87	91	67	48	71	83	74.5	....
3..	60.26	60.97	61.05	57.64	57.39	60.23	59.59	24.7	24	30.1	36.1	30.4	29	29	37.1	23.9	87	91	64	42	63	69	69.3	9.4
4..	59.19	60	61.10	57.88	58.42	61.27	59.64	26.9	24.8	29.4	34.1	25	25.3	27.6	34.4	24.5	81	95	70	52	80	88	77.7	....
5..	60.32	60.72	61.31	58.38	59.77	61.01	60.25	24.1	22.9	29	34.8	27.3	26	27.4	35.6	22.6	91	97	71	50	78	88	79.2	....
6..	60.96	61.29	61.17	59.07	60.02	61.68	60.70	25.4	24.8	30.3	35.8	27.4	25.8	28.2	36.5	24.4	88	89	64	43	82	88	75.7	1
7..	60.84	61.07	61.21	58.58	58.32	60.11	60.02	24.9	24	29.9	35.8	31.3	26.8	28.8	36.5	23.8	91	93	64	44	58	80	71.7	....
8..	58.89	59.41	59.88	57	57.02	59.53	58.62	26	25.2	30.8	37.2	32	27.3	29.8	38.3	25	85	90	56	38	69	76	69	....
9..	58.04	58.85	59.59	56.82	56.89	59.01	58.20	26.9	26.4	31.8	37.1	31.2	27.7	30.2	37.8	25.8	83	85	52	33	58	76	64.5	....
10..	57.34	58.43	59.16	56.09	56.14	59.53	57.78	26.4	25	31.8	37.8	33.1	28.3	30.4	38.3	25	82	92	58	40	55	77	67.3	....
11..	57.27	58.75	59.65	57.86	58.85	59.76	58.69	27.4	26.5	30.8	27.7	24.8	24.8	27	32.6	24.1	81	85	64	79	94	94	82.8	31.7
12..	58.23	59.10	59.37	57.04	56.86	59.34	58.32	24.3	23.8	28.8	33.8	29.3	27.7	28	34.3	23.5	94	95	71	54	76	79	78.2	....
13..	57.87	58.79	59.81	56.63	57.81	59.60	58.42	25.7	23.8	29.6	28.2	26.8	24.8	26.5	32.2	23.5	85	91	58	67	77	91	78.2	....
14..	58.20	59.20	59.51	57.67	57.79	59.56	58.66	24.4	24	30.2	36.4	31.1	25.8	28.6	....	23.5	90	90	56	35	54	81	67.7	....
15..	58.98	59.85	60.38	57.67	59.31	60.54	59.46	24.7	23.5	30.3	37.9	24.8	25	27.7	38.5	23.3	86	91	63	41	85	88	75.7	8.1
16..	59.39	60.39	60.22	58.05	58.14	59.93	59.35	24.5	24.1	30	35.8	31.3	26.6	28.7	37.2	23.6	92	95	65	45	63	80	73.3	....
17..	58.49	59.74	60.41	57.44	58.39	60.11	59.10	25.6	24.5	30.9	37.6	28.9	25	28.8	39	24.3	85	92	57	34	68	91	71.2	....
18..	58.29	59.72	60.53	57.39	57.69	59.48	58.85	24	23	30.2	37.2	32	26.8	28.9	38	22.8	89	87	62	33	53	82	67.7	....
19..	59.03	60.78	60.51	58.83	58.71	61.46	59.89	25.8	24.9	31.2	37.5	32	26.5	29.6	39	24.4	85	88	58	38	55	80	67.3	....
20..	60.10	61.67	61.35	59.67	59.20	61.76	60.62	25.2	24	30.8	37.5	32.1	26.7	29.4	39	23.5	83	86	51	30	48	75	62.2	....
21..	60.79	62.23	61.90	58.85	58.34	61.20	60.55	24.2	21.7	30.5	37.3	32.5	26.4	28.8	38.3	21.1	78	81	45	35	60	70	61.5	....
22..	60.21	61.07	61.08	57.93	57.76	60.64	59.78	24.1	21.8	30	38.4	32.8	27.2	29	39.2	21.4	79	87	50	33	49	73	61.8	....
23..	59.82	61.52	62.08	59.28	59.31	61.17	60.53	25.5	23.8	29.5	36.9	30.8	27	28.9	38.3	23.6	80	88	61	42	54	79	67.3	....
24..	60.30	62.03	61.99	59.10	59.24	61.44	60.68	25.4	23.8	30.8	37.7	31.9	27.3	29.5	39	23.4	83	87	52	30	55	71	63	....
25..	60.27	61.32	61.51	57.92	57.99	60.98	60	25.7	24.1	31.8	38	32.7	27.3	29.9	38.6	24	75	78	48	35	51	75	60.3	....
26..	59.79	60.23	60.65	57.60	58.16	59.93	59.39	25.9	24.5	30.7	39.5	30.8	27.7	29.8	39.8	23.7	82	91	50	27	67	79	66	....
27..	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	....
28..	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	....
29..	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	....
30..	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	....
Mean	59.34	60.35	60.74	58.01	58.30	60.47	59.53	25.2	24.1	30.2	35.9	29.9	26.5	28.7	37.1	23.6	85.2	89.6	59.7	42.2	65.5	80.7	70.5	....
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	[a]50.2

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction.		Amount.	Form and direction.	
															Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	Calm	....	Calm	....	SW	1	NE	1	NW	4	NW	4	1.7	10	....	Cu.	6	....	Cu.
2..	Calm	....	NW	1	N	2	N	2	NW	3	Calm	....	1.3	10	....	Cu.	8	....	Cu.
3..	Calm	....	Calm	....	NW	1	SW	1	N	1	Calm	....	.5	6	....	S.-Cu.	8	Ci.-S.	Cu.
4..	Calm	....	Calm	....	NW	1	N	1	N	3	NW	2	1.2	10	....	Cu.	6	....	Cu.
5..	Calm	....	Calm	....	SW	2	NW	1	NNW	2	NW	2	1.2	9	....	Cu.	7	Ci.-S.	Cu.
6..	Calm	....	SE	1	SE	1	ESE	1	NE	1	Calm	....	.7	10	....	Cu.	8	....	Cu.
7..	Calm	....	NE	1	NE	1	WSW	1	NW	2	N	1	1	7	....	S.-Cu.	4	....	Cu.
8..	Calm	....	NE	1	SSE	2	SSW	2	NNW	3	NNW	3	1.8	0	....	....	7	Ci.-S.	Cu.
9..	Calm	....	ENE	1	NE	2	ESE	1	NNE	3	N	1	1.3	9	....	Cu.	7	Ci.-S.	Cu.
10..	Calm	....	Calm	....	SE	2	SSE	2	SSE	3	SE	2	1.5	6	Ci.	....	7	Ci.-S.	Cu
11..	Calm	....	N	1	N	1	NE	1	NE	1	Calm	....	.7	10	....	Cu.	10	....	Cu.-N.
12..	Calm	....	Calm	....	SE	1	SE	1	NNW	1	SE	1	.7	6	Ci.-S.	....	9	Ci.	Cu.
13..	Calm	....	SW	1	SW	1	SW	1	NW	2	Calm	....	.8	5	Ci.-S.	....	7	Ci.-S.	Cu.
14..	Calm	....	Calm	....	SW	1	SW	1	NW	1	Calm	....	.5	8	Ci.-S.	Cu.	4	....	Cu.
15..	Calm	....	Calm	....	NE	1	NNE	1	NNW	1	Calm	....	.5	0	....	....	7	....	Cu.
16..	Calm	....	Calm	....	NE	1	Calm	....	N	2	N	1	.7	0	....	....	6	....	Cu.
17..	Calm	....	NE	1	SE	2	SE	1	NW	2	Calm	....	1	8	....	Cu.	6	....	Cu.
18..	Calm	....	NE	1	NW	1	ESE	2	NW	2	N	1	1.2	4	....	Cu.	0	....	....
19..	Calm	....	ESE	1	NE	1	N	1	NW	2	Calm	....	.8	7	Ci.	Cu.	5	....	Cu.
20..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	0	....	....	0	....	....
21..	Calm	....	Calm	....	SE	2	SE	2	Calm	....	Calm	....	.7	0	....	....	0	....	....
22..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	0	....	....	0	....	....
23..	Calm	....	NNE	1	Calm	....	N	1	NW	2	Calm	....	.7	6	Ci.-S.	S.-Cu.	7	....	Cu.
24..	Calm	....	SE	1	SW	2	WSW	1	SW	3	Calm	....	1.2	0	....	....	5	....	Cu.
25..	Calm	....	Calm	...	Calm	....	SW	1	SW	1	Calm	....	.3	3	Ci.	....	4	....	Cu.
26..	......	....	Calm	....	Calm	....	Calm	....	N	3	NW	2	1	0	....	....	0	....	....
27..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
28..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
29..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
30..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
Mean	......	0	......	0.5	......	1.1	......	1	......	1.9	......	0.8	0.9	5.2	....	....	5.3	....	....

NOTE.—The maximum temperatures for April 2 to 13 are taken from a self-recording instrument.

[a] 26 days of observation.

TUGUEGARAO

[φ=17° 36′ N; λ=121° 40′ E; barometer above sea, 22 meters; gravity correction not applied, —1.61 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
2..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
3..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
4..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
5..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
6..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
7..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
8..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
9..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
10..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
11..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
12..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......
13..	54.93	54.50	54.60	52.88	53.11	55.74	54.29	27.6	26.2	31.8	35.5	34.2	29	30.7	37.6	25.5	79	87	58	53	59	76	68.7	......
14..	55.24	54.89	54.76	53.40	54.54	56	54.80	27.5	26.7	32.4	37	31.6	29	30.7	37.1	25.6	77	80	57	41	75	74	67.3	......
15..	55.43	55.56	55.34	53.85	54.99	56.55	55.29	27.2	25.6	32	36.4	24.2	24.5	28.3	37.2	23.2	84	95	61	43	98	93	79	24.9
16..	56.16	56.49	57	55.29	54.96	57.22	56.19	24.3	24	30	35	30.2	28.2	28.6	36.2	23.3	95	97	74	54	64	79	77.2	......
17..	56.63	56.93	57.40	55.68	55.27	56.50	56.40	27.8	25.6	31.5	36.4	31.1	28.2	30.1	36.8	24.9	78	88	63	41	65	81	69.3	......
18..	55.93	56.77	56.95	54.70	56.18	56.83	56.23	26.9	26	31	37	28.1	25.6	29.1	38	24.9	84	92	67	39	73	81	72.7	......
19..	56.29	57.05	56.75	54.41	55.52	56.98	56.17	25	24.8	29.4	35.5	30.2	28	28.8	37.9	24.3	88	90	71	44	65	82	73.3	......
20..	56.33	56.89	57.01	55.23	55.86	57.44	56.46	27.6	25.6	29.5	35	29	27.4	29	35.2	25.1	81	92	75	54	75	84	76.8	......
21..	56.71	56.96	57.18	55.34	56.09	58.29	56.76	27	25.6	30.2	36.7	30.2	27.5	29.5	38	25.1	87	90	66	40	64	78	70.8	......
22..	57.17	57.59	57.38	55.61	56.84	58.05	57.11	26.9	26.2	30.8	37	28.3?	23.9	28.8	38.2	23	84	90	66	42	65 ?	90	72.8	34.8
23..	57.38	57.90	57.78	56.29	56.11	57.63	57.18	23.9	23.5	27.8	33.4	31.3	27.8	28	35	22.8	91	94	81	57	70	87	80	1
24..	57.04	57.25	57.21	55.81	56.06	57.25	56.77	25.7	24.6	29.3	34.4	30.4	25.8	28.4	35.4	24	88	91	76	57	70	89	78.5	......
25..	56.05	56.85	56.26	54.14	54.61	56.25	55.69	25.4	25	30	35.1	28.1	27	28.4	35.2	24.5	93	95	74	54	85	86	81.2	......
26..	54.90	54.77	55.38	53.68	53.86	55.38	54.66	25.8	25.7	29	28	27.7	25.8	27	32	25	94	94	78	83	80	94	87.2	9.4
27..	54.60	55.18	55.95	53.94	54.48	57.13	55.21	25.4	25	30	34.5	31.2	27.8	29	35	24.5	93	96	69	50	62	79	74.8	......
28..	57.29	58.16	58.39	56.88	57.29	59.45	57.91	26.2	25.1	31.5	36	35.8	29	30.6	36.8	24.8	87	88	57	41	48	79	66.7	......
29..	59.48	59.81	59.31	57.29	56.74	58.93	58.59	27.4	26.6	31.5	36.6	31.2	28	30.2	37.4	26.3	86	92	63	41	55	77	69	......
30..	57.95	57.83	57.63	55.62	54.79	55.64	56.58	27.1	25.2	30.5	35	30.4	26.8	29.2	36.6	24.8	83	90	67	49	63	84	72.7	......
Mean	56.42	56.74	56.79	55	55.41	57.07	56.24	26.4	25.4	30.5	35.2	30.2	27.2	29.1	36.4	24.5	86.2	91.2	67.9	49.1	68.7	82.9	74.3	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	......

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	......	....	......	....	......	....	......	....	......	....	......	....	....	....		....	....	....	....
2..	......	....	......	....	......	....	......	....	......	....	......	....	....	....		....	....	....	....
3..	......	....	......	....	......	....	......	....	......	....	......	....	....	....		....	....	....	....
4..	......	....	......	....	......	....	......	....	......	....	......	....	....	....		....	....	....	....
5..	......	....	......	....	......	....	......	....	......	....	......	....	....	....		....	....	....	....
6..	......	....	......	....	......	....	......	....	......	....	......	....	....	....		....	....	....	....
7..	......	....	......	....	......	....	......	....	......	....	......	....	....	....		....	....	....	....
8..	......	....	......	....	......	....	......	....	......	....	......	....	....	....		....	....	....	....
9..	......	....	......	....	......	....	......	....	......	....	......	....	....	....		....	....	....	....
10..	......	....	......	....	......	....	......	....	......	....	......	....	....	....		....	....	....	....
11..	......	....	......	....	......	....	......	....	......	....	......	....	....	....		....	....	....	....
12..	......	....	......	....	......	....	......	....	......	....	......	....	....	....		....	....	....	....
13..	SE	2	SE	1	S	3	S	3	SE	3	S	1	2.2	3	Ci.	Cu.	4	Ci.	Cu. S
14..	SE	3	SE	2	SE	3	SE	2	NW	1	Calm	....	1.8	8	Ci.-S. NE	....	7	....	Cu.-N. SW
15..	SW	1	Calm	....	ESE	1	SE	1	NE	1	Calm	....	.7	6	Ci. E	....	7	....	Cu. W
16..	Calm	....	Calm	....	ESE	1	S	1	Calm	....	Calm	....	.3	0	....	....	4	....	Cu. S
17..	S	1	Calm	....	SE	1	SW	1	NE	1	Calm	....	.7	0	....	....	5	....	Cu. W
18..	Calm	....	Calm	....	S	1	Calm	....	NE	1	Calm	....	.3	0	....	....	0	....	....
19..	Calm	....	SE	1	NNE	1	NE	1	N	2	Calm	....	.8	7	Ci. W	S.-Cu. S	6	....	Cu. S
20..	SE	1	SE	1	SSE	1	SE	1	SE	1	SE	1	1	8	Ci.	Cu.-N. S	7	Ci.	Cu.-N. ESE
21..	SE	2	SE	1	S	2	Calm	....	NE	2	NE	1	1.3	7	....	Cu.-N. S	4	....	Cu. S
22..	Calm	....	Calm	....	SE	1	S	2	NE	2	NE	1	1	0	....	....	7	....	Cu. S
23..	NW	1	SE	1	S	1	Calm	....	NW	2	Calm	....	.8	10	....	N. S	4	Ci. E	Cu. S
24..	SE	1	SE	1	S	1	Calm	....	NW	2	Calm	....	.8	3	Ci.	Cu.	6	Ci.,Ci.-S.	....
25..	SE	1	Calm	....	Calm	....	NNE	1	NW	1	NW	1	.7	3	Ci. E	....	7	Ci.	Cu.-N. NE
26..	Calm	....	SE	1	Calm	....	Calm	....	Calm	....	Calm	....	.2	7	....	Cu.-N. SE	10	....	Cu.-N. NW
27..	SE	1	SE	1	S	3	SE	3	S	2	S	1	1.8	3	....	Cu. S	0	....	....
28..	Calm	....	Calm	....	SE	3	SE	3	Calm	....	NW	4	1.7	7	Ci. W	....	2	Ci.	....
29..	NE	1	Calm	....	NE	1	NE	1	NE	1	N	1	.8	4	....	Cu. NW	4	....	Cu. N
30..	Calm	....	Calm	....	NW	2	N	3	NE	2	NW	1	1.3	0	....	Cu. N	8	Ci.	Cu.-N. NW
Mean	......	0.8	......	0.6	......	1.4	......	1.3	......	1.3	......	0.7	1	4.2	....	....	5.1	....	....

NOTE.—This station was temporarily closed from May 1 to June 12.

TUGUEGARAO

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 22 meters; gravity correction not applied, −1.61 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	55.10	55.22	54.54	52.47	51.81	52.03	53.53	25.4	25.4	28.6	33.6	30.4	27	28.4	34	24.5	90	95	75	48	64	86	76.3	39.7
2..	50.63	49.74	49.62	50.23	51.12	52.08	50.57	24.3	24	22	22.2	22	22.4	22.8	25.8	21.5	96	100	100	95	92	93	96	151.3
3..	52.24	54.71	55.87	55.39	56.98	58.38	55.60	21.7	22.1	27.2	31.6	28	26.7	26.2	32	21.5	94	90	72	59	68	67	75	....
4..	57.78	57.97	58.46	58.01	59.23	59.72	58.53	25.6	25.1	30.7	33.5	26.2	25.5	27.8	34.1	24.1	72	75	61	53	82	94	72.8	....
5..	59.50	59.67	60.11	58.74	59.11	59.59	59.45	24.2	23.5	29	33.5	28	25.2	27.2	34	23.6	92	99	75	53	71	87	79.5	....
6..	59.20	59.55	59.23	57.99	58.09	59.71	58.96	23.6	23	27.8	33.8	30.2	26.8	27.5	34.2	22.5	93	96	76	54	64	86	78.2	....
7..	58.93	59.74	60.86	59.55	59.43	60.63	59.86	26.5	24.5	30.1	32.1	29.2	25.6	28	34.1	24	78	89	64	56	70	84	73.5	....
8..	60.03	60.57	62.11	59.11	59.47	60.38	60.28	25.1	23.5	28.9	35	31	27.6	28.5	35.1	22.8	87	91	71	49	60	72	71.7	....
9..	59.76	59.87	59.82	57.96	58.31	59.72	59.24	25.3	24.1	29	33.4	28.4	26.2	27.7	35.2	23.6	82	94	71	48	70	81	74.3	....
10..	58.26	58.10	58.71	56.92	56.38	58.02	57.73	25.5	24.4	29	35.2	32	27.2	28.9	36.5	23.5	82	88	71	51	55	76	70.5	....
11..	57.56	58.21	58.50	56.89	57.38	59.23	57.96	25.4	24.1	29.6	36.2	29.6	27	28.6	37	23.5	86	91	69	42	58	85	71.8	....
12..	59.10	59.68	59.72	56.72	58.11	59.61	58.82	26.8	25.3	29.4	34.6	30.2	27.8	29	37.4	25	81	87	65	55	73	82	73.8	....
13..	59.20	59.74	59.83	57.43	57.54	59.06	58.80	26.3	26	30	36.1	31	27.2	29.4	36.8	25.2	91	92	72	41	73	87	76	....
14..	58.30	58.88	59.08	56.89	56.90	58.13	58.03	26.4	26	30.6	36.1	31.2	27.2	29.6	36.8	25.4	91	93	68	42	62	86	73.7	....
15..	57.50	57.78	58.03	56.52	56.35	57.67	57.31	26.5	25	30.2	35	31	27.2	29.2	35.8	24.4	87	89	69	49	64	81	73.2	....
16..	57.03	57.70	58.02	56.14	56.41	57.63	57.16	26.4	25	30.2	36	30.4	27.2	29.2	36.5	24.1	83	87	71	42	61	84	71.3	....
17..	57.25	57.98	58.38	56.74	56.99	58.46	57.63	25.7	26	29.7	33.2	30.1	26.5	28.5	33.5	25	88	87	68	63	58	86	75	....
18..	58	58.40	58.38	56.54	56.53	57.87	57.62	24.7	24.6	29.3	36.2	28.4	26.8	28.3	36.4	23.6	86	87	69	42	75	86	74.2	....
19..	57.33	58	58.22	56.43	55.79	57.13	57.15	25.7	24	29.7	36.4	31.2	27.6	29.1	36.8	23.5	91	91	70	42	61	84	73.2	....
20..	56.87	57.01	57.83	57.75	57.37	57.61	57.41	27.1	25	28.3	26.2	26	25	26.3	30	24	87	92	77	90	92	97	89.2	7.6
21..	57.26	57.02	57.51	56.43	56.36	56.90	56.91	24.2	23.7	25.2	30.1	27.2	25.1	25.9	30.4	23.2	95	96	98	74	91	94	91.3	3.8
22..	56.35	56.60	57.26	55.26	55.36	57.49	56.39	24.7	24.6	28.5	31.1	28.6	26.3	27.3	32.7	24	95	95	81	68	81	90	85	....
23..	56.45	56.72	57.26	55.49	55.13	56.73	56.30	25.6	24.4	28.6	32	29.6	26.8	27.8	32.8	23.8	84	90	77	63	77	87	79.7	6.9
24..	55.60	55.97	55.95	54.33	54.16	56	55.34	26	25.1	26.4	28.8	28.8	25.1	26.7	30.7	24.4	89	95	90	80	74	96	87.3	22.3
25..	55.61	55.91	56.23	54.17	54.92	56.50	55.56	25.2	25	28.7	33.4	28.1	25.8	27.7	34.3	24.1	97	96	81	59	77	95	84.2	8.1
26..	55.89	55.98	55.52	53.41	52.59	55.32	54.78	25.1	25	29.8	34.3	31.1	28	28.9	34.7	24.6	94	96	73	55	73	78	78.2	....
27..	53.76	53.70	53.56	51.54	52.49	53.30	53.06	26.6	24.5	29.7	34	28.5	25.9	28.2	34.6	24	86	96	75	59	80	89	80.8	5.6
28..	52.70	53	53.28	52.23	53.35	53.86	53.07	25.3	25	28.4	31	24.9	24.6	26.5	31	24	91	92	80	69	92	95	86.5	15.7
29..	52.61	52.97	52.94	52.30	51.58	52.46	52.48	24.1	24	26.1	27.8	27.6	26.2	26	28.4	23.5	97	96	89	83	86	93	90.7	....
30..	51.35	51.55	52.20	50.83	50.79	51.27	51.33	25.6	25	26	29.1	27	25.4	26.4	30	24	93	96	95	77	92	95	91.3	16.2
31..	50.08	50.64	50.70	49.35	49.45	51.41	50.27	25	24.5	27.1	32	30.4	27	27.7	32.8	24	97	98	84	70	81	86	86	....
Mean	56.36	56.73	57.02	55.48	55.66	56.90	56.36	25.3	24.6	28.5	32.7	28.9	26.3	27.7	33.7	23.8	88.9	92.2	76	59.1	73.5	86.5	79.4	....
Total	.....	.....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	277.2

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
														Amount.	Form and direction.		Amount.	Form and direction.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.			Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	NE	1	NW	1	NE	1	NW	4	NE	2	NE	1	1.7	10	....	Cu.-N. NE	10	....	Cu.-N. N
2..	Calm	....	SE	1	S	1	SE	3	SE	3	SE	4	2	10	....	N. S	10	....	N. S
3..	SE	1	S	1	SE	3	SE	2	SE	1	SE	2	1.7	10	....	Cu.-N. S	7	Ci.	Cu.-N. S
4..	SE	2	S	3	SE	1	SE	1	Calm	....	Calm	....	1.2	8	A.-Cu.	S.-Cu. SW	8	Ci.	Cu.
5..	Calm	....	Calm	....	ESE	1	Calm	....	SE	3	Calm	....	.7	8	....	S.-Cu. SE	8	A.-Cu.	Cu.-N. NE
6..	Calm	....	Calm	....	SW	1	W	1	WNW	1	Calm	....	.5	0	....	....	8	Ci.-S.	Cu.-N. NE
7..	Calm	....	Calm	....	N	1	NW	2	NW	1	N	1	.8	10	....	S.-Cu. W	8	Ci.-S.	Cu.-N. NE
8..	Calm	....	Calm	....	S	1	Calm	....	SE	1	SW	1	.5	0	....	....	4	Ci.	Cu. S
9..	Calm	....	Calm	....	WSW	1	Calm	....	Calm	....	Calm	....	.2	0	....	....	8	Ci.-S.	Cu.
10..	SE	1	SE	1	SE	2	SW	1	SW	1	SE	1	1.2	2	....	Fr.-S. S	4	....	Cu. S
11..	SW	1	SW	1	Calm	....	Calm	....	WSW	1	Calm	....	.5	0	....	....	6	....	Cu. S
12..	Calm	....	SW	1	Calm	....	Calm	....	NW	1	NW	1	.5	8	....	Cu.-N. SW	2	....	Fr.-Cu.
13..	Calm	....	Calm	....	SW	1	Calm	....	NW	1	NW	1	.5	7	....	Cu. NE	5	....	Cu. S
14..	Calm	....	Calm	....	Calm	....	NW	2	NW	1	NW	1	.7	0	....	....	0	....	....
15..	Calm	....	Calm	....	Calm	....	NW	1	NW	2	Calm	....	.5	8	....	Cu. SW	8	Ci.-S.	Cu. NW
16..	Calm	....	SW	1	S	1	NW	1	NW	1	NW	1	.8	0	....	....	2	....	Cu.
17..	Calm	....	Calm	....	S	1	NW	1	NW	1	NE	1	.7	10	....	Cu.-N. S	8	Ci.-S.	Cu.
18..	Calm	....	SW	1	Calm	....	Calm	....	NW	1	NE	1	.5	8	....	Cu. S	4	Ci.	Fr.-Cu.
19..	SW	1	Calm	....	Calm	....	SW	1	W	1	NE	1	.7	4	....	S.-Cu. N	5	....	Cu. SE
20..	Calm	....	Calm	....	NW	1	NW	1	Calm	....	Calm	....	.3	10	....	Cu.-N.	10	....	N.
21..	NE	2	Calm	....	Calm	....	NW	1	Calm	....	Calm	....	.5	10	....	N.	10	....	Cu.-N. N
22..	SW	1	Calm	....	SW	1	SW	1	Calm	....	Calm	....	.5	10	....	N.	6	....	Cu.-N. SW
23..	SE	1	SW	1	SSW	1	Calm	....	S	1	Calm	....	.7	8	Ci.	S.-Cu. SW	8	Ci.-Cu.	Cu.-N. NE
24..	NW	1	NW	1	Calm	....	NW	2	NW	1	Calm	....	.8	10	....	N.	10	Ci.	Cu.-N. NW
25..	Calm	....	Calm	....	S	1	S	2	SW	2	Calm	....	.8	10	....	Cu.-N. E	4	....	Fr.-Cu.
26..	SW	1	SSW	1	S	2	SW	1	Calm	....	Calm	....	.8	8	A.-Cu.	S.-Cu. S	6	Ci.-Cu.	Cu. E
27..	SW	1	S	2	SW	1	NW?	1	SE	1	Calm	....	1	10	....	Cu.-N. S	7	Ci.-S.	Cu. W
28..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	8	....	S.-Cu.	8	....	S.-Cu.
29..	SE	1	Calm	....	SW	1	Calm	....	Calm	....	Calm	....	.3	10	....	N. S	10	....	N. S
30..	Calm	....	Calm	....	Calm	....	S	2	Calm	....	N	1	.5	10	....	N.	7	....	Cu.-N. S
31..	Calm	....	Calm	....	SW	1	SW	1	Calm	....	SE	1	.5	10	....	N. W	10	....	Cu.-N. S
Mean	......	0.5	......	0.5	......	0.8	......	1	......	0.9	......	0.6	0.7	7	....	....	6.8	....	....

TUGUEGARAO

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 22 meters; gravity correction not applied, —1.61 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	51.15	50.88	51.47	50.64	50.74	52.93	51.30	25.2	24.6	30.7	34.1	32.7	28	29.2	35.7	24.3	88	91	69	61	68	91	78	3.3
2..	52.42	52.79	53.38	52.08	53.16	54.55	53.06	27.1	25.7	30.1	35.1	29.8	26.2	29	35.2	25	92	88	80	55	76	94	80.8	37.6
3..	53.64	54.02	54.12	52.86	52.71	55.72	53.84	25.2	25.1	29.8	31.4	30.1	23.5	27.5	32	22.9	97	97	82	76	81	98	88.5	121.6
4..	53.87	54.12	54.95	53.64	53.55	54.54	54.11	23.3	23	26.2	29.5	28.2	26.4	26.1	29.8	22.7	97	97	90	79	85	95	90.5	......
5..	53	54.27	54.98	53.41	53	52.92	53.60	26	25.4	25.4	26.7	26.4	25.7	25.9	27	24.5	95	96	97	89	89	95	93.5	22.3
6..	52.27	51.42	52.32	51.16	49.58	49.59	51.06	24.6	24	24	24.3	24.2	24	24.2	25.7	23.5	95	97	100	99	95	98	97.3	32.5
7..	47.61	47.35	47.04	46.74	46.05	47.01	46.97	23.5	23	23.8	24.9	25	23.8	24	25	22.5	97	96	97	93	88	88	93.2	20.5
8..	47.26	47.49	48.90	48.73	48.52	49.50	48.40	23.2	23	24.8	26	25.5	24.8	24.6	26	22.5	99	100	95	92	96	95	96.2	9.6
9..	49.57?	49.65	50.96	50.12	51.29	51.95	50.59	24.3	24	27.2	32.6	25.6	25.5	26.5	33.6	23.5	98	100	91	66	95	96	91	7.1
10..	50.82	51.68	52.48	51.51	51.61	51.73	51.64	24.9	24.7	28	30.7	30	28	27.7	31.4	24.3	98	98	85	74	77	89	86.8	......
11..	50.45	51.12	51.48	49.39	50.21	51.16	50.64	26.4	25.1	29.4	33.1	26.5	26.1	27.8	33.2	24.7	89	92	76	66	93	96	85.3	9.4
12..	50.08	50.11	50.36	49.12	49.84	50.87	50.06	25.2	25.5	28.6	33.2	27.3	25.4	27.5	33.7	24.5	99	100	82	66	82	93	87	14.7
13..	50.07	50.64	51.33	50.93	51.30	53.03	51.22	24.6	24.5	29.5	32.8	30.6	26.8	28.1	33.8	24	95	97	75	63	70	86	81	......
14..	52.92	53.22	54.22	52.60	52.97	54.48	53.40	25.9	25	30	32.2	31	27.6	28.6	33.7	24.7	91	94	68	70	75	80	79.7	......
15..	53.24	53.91	54.53	52.66	53.27	54.78	53.77	26	24.6	30	33	27.1	26.2	27.8	34.4	24.4	89	92	72	59	94	94	83.3	49.5
16..	54.40	55.82	56.01	55.22	56.46	58.20	56.02	25	24	29.2	32.4	26.1	26	27.1	33.5	23.5	96	96	70	59	96	92	84.8	8.1
17..	56.34	57.65	57.81	56.54	56.40	58.83	57.26	25.6	25.2	28.5	32	30	26	27.9	32.5	24.9	95	98	74	67	75	89	83	45.7
18..	57.58	57.58	57.64	55.66	56.91	58.84	57.34	25	25	28.5	32.2	26.6	23.4	26.8	33.8	22.2	93	95	77	63	86	95	84.8	1.3
19..	58.17	58.12	59.33	56.71	56.18	57.58	57.68	23	23	26.1	31	28.6	26 2	26.3	31.1	22.3	97	95	84	69	79	90	85.7	71.9
20..	54.90	53.32	51.06	42.43	33.38	40.09	45.86	25.6	25.5	26.4	34.2	25.4	28	25.8	28.2	22.5	91	92	91	98	86	97	92.5	......
21..	45.81	52.11	54.89	54.35	55.43	57.26	53.31	26.8	25.6	28.1	31	28.2	25.9	27.6	31	23.8	90	83	80	63	76	87	79.8	......
22..	56.99	57.25	57.87	56.44	56.83	58.50	57.31	24.5	24	29	33.7	27.2	26.5	27.5	34	23.5	91	92	73	59	78	86	79.8	......
23..	57.55	57.61	57.92	55.49	55.78	56.81	56.86	25.3	25	29	33.4	27.2	26.6	27.8	33.7	24.4	93	92	76	60	86	85	82	......
24..	55.61	54.92	54.49	51.49	51.41	52.24	53.36	25.7	24	29.6	34.5	29.8	26.3	28.3	35.1	23.7	89	96	69	53	68	86	76.8	......
25..	50.03	50.12	50.79	49.28	49.71	51.73	50.28	25.3	25	29.6	30.6	29.8	27.9	28	32.5	24	91	88	64	69	71	70	75.5	......
26..	52.14	52.76	54.46	53.72	55.29	56.54	54.15	26.4	25	32	35.2	27	25.2	28.5	36.2	24	76	80	54	48	81	90	71.5	......
27..	55.76	56.58	57.01	55.74	57.10	58.16	56.72	25.2	25	29.9	33	24	24.2	26.9	33.4	21.9	89	88	65	50	97	95	80.7	30
28..	56.95	57.05	57.89	56.07	56.33	57.53	56.97	24	24	27.4	32	28.7	25	26.8	33.4	22.5	95	96	76	59	78	88	82	......
29..	56.73	56.90	56.89	55.24	54.78	55.47	56	24.1	24	26.8	26.6	26.8	25.5	25.6	30	23.3	94	93	86	89	84	94	90	33.8
30..	53.58	53.30	53.47	51.35	51.07	51.71	52.41	24.6	24	26	29.1	26.5	25.1	25.9	30	23.6	97	98	84	77	86	88	88.3	65.6
31..	50.64	51.52	53.01	51.77	51.32	52.06	51.72	24.5	24	24.3	25	25.2	23.5	24.4	25.8	22.3	93	95	97	90	91	94	93.3	20.5
Mean	52.95	53.40	53.97	52.36	52.33	53.75	53.13	25	24.5	28	30.8	27.6	25.8	27	31.8	23.6	93.2	93.9	80	70.4	83.3	90.8	85.2	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	605

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction.		Amount.	Form and direction.	
															Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	SW	1	SW	1	SW	1	SW	1	Calm	....	Calm	....	0.7	6	Ci.	....	7	A.-Cu. SW	Cu. S
2..	Calm	....	Calm	....	Calm	....	WSW	1	NW	3	Calm	....	.7	8	....	S.-Cu. S	8	A.-Cu.	Cu.-N. S
3..	SW	1	Calm	....	SW	1	Calm	....	Calm	....	SE	2	.7	8	Ci.	N. S	10	Ci.-S.	Cu.-N. W
4..	SE	1	Calm	....	Calm	....	Calm	....	SW	1	Calm	....	.3	10	....	Cu.-N. S	10	Ci.-S.	Fr.-N. S
5..	Calm	....	Calm	....	SE	1	S	1	Calm	....	Calm	....	.3	10	....	N.	8	....	Cu.-N. N
6..	SE	1	SE	1	SSW	1	Calm	....	Calm	....	S	1	.7	10	....	N.	10	....	N.
7..	SE	2	SE	1	S	2	Calm	....	SW	1	Calm	....	1	10	....	N.	10	....	N.
8..	Calm	....	Calm	....	SW	1	SW	1	Calm	....	Calm	....	.3	10	....	N. SW	10	....	N. SW
9..	SW	1	Calm	....	Calm	....	Calm	....	SW	1	SW	1	.5	10	....	N.	7	Ci.-Cu.	Cu.-N. SW
10..	SW	1	Calm	....	Calm	....	SW	2	Calm	....	Calm	....	.5	8	Ci.	S.-Cu.	10	Ci.-S.	Cu.-N. S
11..	Calm	....	SW	1	SW	1	S	1	N	1	Calm	....	.7	7	A.-Cu. W	Cu.-N. S	7	A.-Cu. W	Fr.-Cu.
12..	Calm	....	Calm	....	SW	1	SSE	2	NW	2	Calm	....	.8	10	....	N.	7	Ci.-Cu.	Cu. SE
13..	Calm	....	SW	1	S	1	NW	1	Calm	....	Calm	....	.5	5	Ci.	Fr.-S.	8	Ci.-S.	Fr.-Cu.
14..	SW	1	Calm	....	SE	1	SW	1	SW	1	Calm	....	.7	10	Ci.-S.	Fr.-S.	8	Ci.-S.	....
15..	SW	1	Calm	....	SW	1	Calm	....	Calm	....	Calm	....	.3	6	Ci.-Cu.	Fr.-S.	8	....	Cu.-N. SW
16..	Calm	....	Calm	....	SE	1	SE	1	Calm	....	Calm	....	.3	4	Ci. SE	....	10	Ci.-S.	Cu.-N. SE
17..	S	1	Calm	....	Calm	....	SSE	1	Calm	....	SE	1	.5	8	Ci.	S.-Cu. S	6	Ci.,Ci.-S.	Fr.-Cu.
18..	S	1	SE	1	SE	1	NE	2	N	1	Calm	....	1	10	Ci.	S.-Cu. SE	7	Ci.	Cu. S
19..	SE	1	SSE	1	ESE	2	NE	1	N	2	NE	1	1.3	10	....	N.	8	Ci.-S.	Cu.-N. NW
20..	NE	1	N	4	N	5	NNW	7	NE	2	SE	6	4.2	8	Ci.	Cu.-N. NE	10	....	N. N
21..	SSE	4	SE	2	S	2	S	2	SE	1	SE	1	2	10	....	N.	8	....	Cu.-N. SW
22..	S	1	Calm	....	SSW	1	S	1	NW	2	NE	1	1	7	Ci.	S.-Cu. SE	9	Ci.-S.	Cu. S
23..	NE	1	NE	1	NE	1	NE	2	N	2	NE	2	1.5	8	Ci. E	Cu.-N. N	8	A.-Cu. SE	Cu. N
24..	NNE	2	N	1	WNW	1	NW	2	NW	1	S	1	1.3	6	Ci.	Fr.-Cu.	9	Ci.	Cu. W
25..	SE	1	S	1	S	1	SE	1	SE	2	SE	3	1.5	10	Ci.-S.	S.-Cu. W	8	Ci.	S.-Cu. SW
26..	SE	1	S	1	S	2	S	2	Calm	....	S	1	1.2	4	Ci.-Cu.	Fr.-S.	7	ci.-s., ci.-cu.	Cu. S
27..	S	1	Calm	....	S	1	S	3	N	2	Calm	....	1.2	8	Ci.	S.-Cu. S	8	Ci.-S.	Fr.-S.
28..	Calm	....	Calm	....	Calm	....	NW	1	NW	1	Calm	....	.3	10	....	Cu.-N. S	4	....	Cu. N
29..	Calm	....	Calm	....	NE	1	N	2	N	2	NE	1	1	6	....	S.-Cu. N	8	Ci.	Cu.-N. NE
30..	N	2	NW	3	NW	3	NW	3	N	2	Calm	....	2.2	10	....	N. N	10	Ci.-S.	Cu.-N. N
31..	Calm	....	Calm	....	SE	1	Calm	....	S	1	SE	1	.5	10	....	Cu.-N. W	10	....	N. W
Mean	......	0.9	......	0.6	......	1.1	......	1.4	......	1	......	0.7	1	8.3	....	....	8.3	....	....

TUGUEGARAO

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 22 meters; gravity correction not applied, —1.61 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*G.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	51.50	51.96	51.99	51.49	51.94	53.93	52.14	22.3	21.6	27.5	32.3	30.6	27.2	26.9	34	21.4	95	98	70	59	73	72	77.8	......
2..	53.67	54.71	55.78	54.51	56.65	58.58	55.65	25.3	23.6	31	35	25.3	24.5	27.4	35.2	22.3	82	93	56	49	85	89	75.7	4.5
3..	57.93	58	59.34	57.66	59.03	60.34	58.72	24	23.3	27.6	33.5	27.2	26	26.9	34.7	23	92	95	77	56	81	89	81.7	......
4..	59.55	59.77	60.32	57.94	59.71	61.26	59.76	24.5	24.5	28.7	34	27.8	24.7	27.4	34.6	22.9	90	95	76	62	72	83	79.7	......
5..	60.16	60.30	60.20	57.76	57.58	59.36	59.23	23.2	23	28	33.5	29	26.7	27.2	34.8	22	90	91	74	53	65	80	75.5	......
6..	58.53	58.70	58.81	56.26	56.65	58.26	57.87	25.2	24	29.1	32.5	28.5	26.2	27.6	34.7	23	86	92	70	55	77	88	78	......
7..	56.04	56.83	57.71	55.31	55.73	57.78	56.57	25	25	29.7	32.4	27	26	27.5	33.7	24.4	95	98	67	62	85	89	82.7	......
8..	56.58	56.98	57.68	55.79	55.86	57.35	56.71	25.3	25.2	29	34	29.5	25.4	28.1	34.8	24.7	93	94	75	53	61	84	76.7	......
9..	57.10	57.60	58.11	55.82	56.90	58.16	57.28	24.6	23.6	30.4	35.6	28.9	26.1	28.2	36.4	23.2	90	93	61	49	71	89	75.5	......
10..	57.06	57.92	58.40	55.94	55.73	57.16	57.04	25.1	24.1	27.6	34.5	29.6	25.9	27.8	35.4	23.9	90	94	79	49	61	86	76.5	......
11..	56.58	56.70	56.84	55.06	54.63	55.90	55.95	24.4	23.4	28.1	31.1	27.4	25.2	26.6	31.8	23	92	92	80	69	74	89	82.7	......
12..	55.47	55.84	55.58	53.78	53.90	54.90	54.91	24	23.8	28.3	29.5	27.6	26.2	26.6	31	22.2	84	85	76	72	74	86	79.5	......
13..	53.87	54.43	54.58	53.22	54.16	55.90	54.36	24.5	24.1	28	32.4	27.5	24.2	26.8	32.4	23.2	92	94	76	54	76	86	79.7	4.3
14..	55.80	56.24	56.85	55.14	55.59	57.58	56.20	23.5	23	27.7	31.7	27.1	25.2	26.4	32.5	22.4	90	91	73	58	73	90	79.2	5.1
15..	57.14	57.30	57.90	56.74	57.15	58.99	57.54	24.5	24	25.3	28.8	25	24	25.3	29.5	22.3	95	96	93	76	90	91	90.2	5.3
16..	58.56	59.07	59.60	57.36	58.26	60.03	58.81	22.3	22	25.7	31.8	27.2	26.1	25.8	32.8	20.7	97	98	78	57	79	84	82.2	......
17..	59.60	60.02	60.90	59.73	59.85	60.93	60.17	25.3	24.5	27.4	28.5	26.6	24.6	26.2	29.5	23.4	87	91	74	74	76	87	81.5	......
18..	60.21	61.40	62.36	60.13	60.03	61.55	60.95	24	23.5	27	29.5	26.6	24.8	25.9	30.4	22.6	91	92	77	62	69	77	78	......
19..	60.94	61.43	62.04	59.71	59.65	61	60.80	22.5	22.2	27.3	29.2	26.1	25	25.4	30.8	21.4	94	94	76	67	72	80	80.5	......
20..	60.39	60.10	60.88	58.83	59.65	60.65	60.07	24.1	23	27.2	30	26.6	25.2	26	30	22.6	86	91	76	59	68	77	76.2	......
21..	59.66	59.97	60.80	58.53	58.63	60.89	59.76	24.2	23	27.1	30.5	27.2	25.2	26.2	31.2	22	81	86	70	59	72	78	74.3	......
22..	60.55	60.82	61.76	59.25	58.92	60.22	60.25	24.2	22.7	26.6	31	26.8	25.4	26.1	31.3	22.5	80	92	70	56	67	81	74.3	......
23..	59.91	60.11	60.72	58.35	58.46	60.16	59.62	23.4	22.6	27.4	34.5	28.2	24	26.7	34.6	22.3	97	92	79	45	65	83	76.8	......
24..	59.55	60.05	60.74	58.66	59.31	60.51	59.80	21.7	21.4	27.4	33.4	28.2	25	26.2	34	20.5	93	93	73	54	70	80	77.2	......
25..	59.21	60.40	61.33	59.34	59.55	60.75	60.10	23	22	28	33	28.5	25.2	26.6	33.2	21.3	91	92	74	59	72	86	79	......
26..	60.51	60.80	61.52	58.74	58.29	60.16	60	24.2	24.5	28	34	30.1	26	27.8	35.8	23.1	91	91	77	54	73	82	78	......
27..	59.35	60.25	60.58	58.10	58.02	59.78	59.35	25.5	23	29.3	35.2	29.4	25.6	28	35.7	22.6	88	93	69	46	72	82	75	......
28..	59.16	59.84	59.76	57.74	57.50	59.43	58.90	24	22.5	28.3	34	28	25.6	27.1	35.2	22.1	88	92	68	62	79	82	78.5	......
29..	59.04	59.42	59.52	56.81	57.65	59.30	58.62	23	22.6	30	35.8	29.2	25.3	27.6	36.4	22	93	93	65	43	71	85	75	......
30..	58.80	59.80	60.18	57.32	57.38	58.90	58.73	24.5	24.1	29.4	35.2	30.3	24.7	28	36.5	23.6	87	95	70	46	61	85	74.3	......
Mean	58.08	58.56	59.10	57.03	57.41	58.99	58.20	24	23.3	28.1	32.5	27.9	25.4	26.9	33.4	22.6	90	92.9	73.3	57.3	72.9	84	78.4	......
Total	.....	.....	.....	.....	.....	.....	......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19.2

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	Calm	....	Calm	....	SW	2	S	1	Calm	....	SE	1	0.7	8	Ci.-S.	S.-Cu. S	8	ci., ci.-s.	Fr.-S.
2..	SE	1	Calm	....	S	2	SE	1	N	1	NE	1	1	6	ci.,ci.-cu.	Fr.-S.	6	ci., ci.-cu.	Cu. S
3..	Calm	....	Calm	....	S	1	NE	1	NE	1	NW	2	.8	10	....	N.	5	Ci.	Cu.
4..	S	2	S	1	SE	1	N	1	W	1	SE	1	1.2	8	ci.,ci.-cu.	S.-Cu. S	2	....	Cu.
5..	S	1	SE	1	SW	1	E	1	NE	1	NW	1	1	6	Ci.	Cu. S	0	....	....
6..	NE	1	Calm	....	NE	1	NE	2	NW	2	NW	1	1.2	8	....	Cu. NE	8	Ci.	Cu.
7..	Calm	....	Calm	....	Calm	....	NW	2	NNW	1	Calm	....	.5	8	....	S.-Cu. N	6	Ci.	N.
8..	SW	1	SSE	1	SW	1	NW	1	NW	1	N	1	1	10	....	Cu.-N. S	5	Ci.	Cu. N
9..	Calm	....	Calm	....	SW	1	NW	1	N	1	Calm	....	.5	0	....	....	4	....	Fr.-Cu. NW
10..	Calm	....	Calm	....	NE	1	NW	2	N	2	NE	2	1.2	8	Ci.	S.-Cu.	8	Ci.	Cu. N
11..	NNE	1	Calm	....	NE	1	NE	2	NE	2	NE	1	1.2	8	....	S.-Cu. N	8	Ci.-S.	Cu.-N. N
12..	N	2	NW	1	NW	2	NW	2	N	2	Calm	....	1.5	8	Ci.-S.	Fr.-S.	7	Ci.	Cu. N
13..	NW	1	Calm	....	NW	1	NE	1	N	2	NW	2	1.2	10	....	Cu.-N. NE	8	Ci.	Cu. NE
14..	Calm	....	S	1	ENE	2	NW	2	N	1	Calm	....	1	8	Ci.	Cu. NE	8	A.-Cu. N	Cu. N
15..	Calm	....	Calm	....	Calm	....	Calm	....	WNW	1	Calm	....	.2	8	....	Cu.-N. S	8	....	Cu.-N. NW
16..	Calm	....	Calm	....	Calm	....	NW	1	Calm	....	NE	1	.3	10	....	N.	4	....	Cu. N
17..	Calm	....	Calm	....	WSW	1	Calm	....	NW	1	Calm	....	.3	10	....	S.-Cu. NE	10	Ci.-S.	Cu.-N. E
18..	N	1	Calm	....	NE	1	NW	1	NW	2	N	1	1	10	....	S.-Cu. N	8	....	Cu.-N. N
19..	NW	1	Calm	....	NW	1	N	3	NW	2	NW	2	1.5	10	....	N. N	10	Ci.	Cu. NE
20..	NW	1	N	1	Calm	....	N	3	NE	1	NW	1	1.2	8	....	S.-Cu. NE	8	....	Cu.-N. NE
21..	SE	1	SE	1	S	1	SE	1	NW	2	NW	3	1.5	10	....	Cu.-N. N	10	....	Cu.-N. S
22..	NW	1	Calm	....	S	1	Calm	....	NE	1	Calm	....	.5	10	....	Cu.-N. NE	8	....	Cu. S
23..	Calm	....	Calm	....	SSW	1	Calm	....	N	2	NW	1	.7	5	....	Fr.-S.	5	....	Cu. SE
24..	N	1	Calm	....	SE	1	E	1	NW	2	Calm	....	.8	4	Ci.	Fr.-S.	8	ci., ci.-s.	Fr.-Cu.
25..	Calm	....	Calm	....	S	1	S	1	SW	1	Calm	....	.5	2	....	Fr.-Cu.	9	Ci.-S.	Cu. S
26..	Calm	....	Calm	....	NE	1	Calm	....	SW	1	Calm	....	.3	8	....	Cu.-N. S	6	A.-Cu. N	Cu. N
27..	Calm	....	Calm	....	SE	1	E	1	NE	1	Calm	....	.5	4	Ci.	Fr.-Cu.	4	....	Cu. S
28..	S	1	SE	1	S	1	ENE	1	Calm	....	Calm	....	.7	6	Ci.	Cu.	5	Ci.	Fr.-Cu.
29..	Calm	....	Calm	....	S	1	NW	1	......	....	......	....	.5	0	....	....	2	....	Fr.-Cu.
30..	......	....	Calm	....	SE	1	SE	1	NNE	1	......	....	.8	0	....	....	0	....	....
Mean	......	0.6	......	0.3	......	1	......	1.2	......	1.2	......	0.8	0.8	7	....	....	6.3	....	....

TUGUEGARAO

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 22 meters; gravity correction not applied, —1.61 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59	59.22	59.53	57.43	57.26	58.96	58.57	23.3	22.1	28.3	35	29	26.5	27.4	35.4	21.6	88	90	68	48	72	84	75	....
2..	57.77	58.40	58.30	56.01	56.11	58.02	57.44	25	24	29.6	34	29.2	25.8	27.9	34.7	23.1	90	91	63	47	66	85	73.7	....
3..	57.20	57.85	57.60	56.37	56.90	57.70	57.27	24	23.5	29	31.5	26.9	23.8	26.4	32	23	94	97	62	57	79	88	79.5	....
4..	57	57.74	58.62	56	57.50	58.18	57.51	22.6	23	28.2	33.2	27.3	25	26.6	33.4	22.5	95	97	70	58	76	89	80.8	....
5..	57	57.67	58.11	55.83	56.36	57.86	57.14	23.7	24	30	33.4	28.4	26.1	27.6	34.6	23.4	93	91	66	57	87	89	80.5	....
6..	57.23	58	58.80	56.31	56.90	59.39	57.77	24.5	23.9	29.7	34	29.2	25.9	27.9	34	23.4	91	89	68	51	67	81	74.5	....
7..	58.91	59.33	60.55	57.96	58.93	59.99	59.28	24.3	24	27	32.2	27.2	24.5	26.5	33.8	23.2	92	95	81	57	73	89	81.2	11.9
8..	58.21	58.94	59.67	58.04	57.90	58.17	58.49	23.6	23.5	25	24.1	24	23.9	24	25.2	22.5	95	95	94	97	90	97	94.7	79.6
9..	56.91	57.15	58.17	56.66	57.03	57.57	57.25	23.6	23.4	24	25	25.1	24.2	24.2	25.6	21.4	96	99	97	96	96	97	96.8	12.2
10..	56.84	57.21	58.06	56.08	56.36	57.41	56.99	24.1	24	25.7	29.1	26.4	25.6	25.8	30.6	23.4	97	97	94	81	94	95	93	6.3
11..	57.23	57.54	59.19	57.05	57.86	59.03	57.98	25.1	25	28.6	30.6	27.1	26.3	27.1	31.3	24.5	98	96	80	65	85	91	85.8	....
12..	59.40	59.47	60.66	58.53	58.86	60.73	59.61	25	24.4	29.2	33.5	28.6	26.4	27.8	34.2	23.5	95	94	71	57	75	89	80.2	....
13..	60.01	60.80	61.42	59.04	59.26	61.23	60.29	24.6	23.3	28.7	32.8	28.4	25.2	27.2	33.5	22.8	89	93	73	60	76	90	80.2	....
14..	59.53	60.13	60.65	58.26	57.93	59.76	59.38	23.4	22	27	31	27.8	24.2	25.9	31.4	21.6	93	96	82	69	79	91	85	....
15..	59.04	58.72	59.23	56.58	56.83	58.32	58.12	22.9	22.6	26.4	30	27.4	25.8	25.8	30.1	21.8	90	91	85	69	81	89	84.2	3.8
16..	57.73	58.44	59.23	56.79	56.88	58.16	57.87	24.7	24.5	25.1	27	26.1	25.4	25.5	27.5	23.8	94	94	97	89	91	92	92.8	7.9
17..	57.31	58.10	58.75	55.87	56.71	58.36	57.52	24.6	24	27.8	33	28.5	26.4	27.4	33.5	23	93	97	79	59	86	91	84.2	....
18..	57.84	57.80	58.59	55.79	56.56	58.38	57.49	25.5	25	27.6	32.1	27.6	25.5	27.2	32.5	24.1	93	92	83	63	84	92	84.5	....
19..	57.49	58.30	58.68	56.45	57.23	58.63	57.80	24.9	24.8	28.4	32.3	26.4	25.2	27	32.5	23.8	96	93	76	59	83	83	81.7	....
20..	57.66	58.70	60.28	58.36	58.95	60.93	59.15	24.4	24	26.7	30.5	26	25	26.1	30.8	23	88	91	91	59	75	79	80.5	....
21..	60.02	61.02	61.93	60.08	60.35	61.73	60.86	23.5	22.5	25.1	26.8	25.8	24.8	24.8	28.2	21.7	87	92	83	78	81	90	85.2	....
22..	61.32	61.30	61.61	59.10	59.42	60.75	60.58	23.7	23.4	26.7	29.1	27.3	25.4	25.9	31.4	22.9	94	97	80	72	82	89	85.7	....
23..	60.06	60.37	61.53	59.26	59.38	61.02	60.27	23.7	23.3	27.2	32.5	29	24	26.6	33.4	23	98	98	81	61	75	97	85	2
24..	60.37	61	61.48	59.63	59.90	61.22	60.60	23.1	22.8	28	27.8	24.8	24	25.1	29	22.5	97	97	76	79	89	90	88	4.8
25..	60.11	60.95	61.81	59.52	59.71	60.91	60.50	23.1	23	26.6	28.6	25.6	24.5	25.2	29.8	22.4	96	94	83	76	85	91	87.5	3.3
26..	60.10	60.70	61.56	58.93	59.56	60.63	60.25	24.4	23	26.6	32	26.5	23.8	26	32.2	22.6	94	97	85	63	86	93	86.3	....
27..	60.14	60.73	62.38	59.43	59.86	60.78	60.55	23.2	22.4	26.4	32	27.4	25.6	26.2	33	22	95	98	83	61	81	91	84.8	....
28..	59.93	60.71	61.02	58.79	59.41	60.98	60.14	24	23.8	27.6	32.2	25.8	25.3	26.5	33.6	23.5	96	97	80	65	97	91	87.7	7.1
29..	60.09	60.89	61.43	59.03	59.61	61.27	60.39	24.2	23.5	27	31.4	26.5	25.2	26.3	32	22.5	91	96	84	68	86	88	85.5	....
30..	60.43	61.09	61.72	59.66	59.51	60.53	60.49	23.8	23.2	27.3	28.2	26.7	25	25.7	28.6	22.4	94	94	81	84	88	88	88.2	10.2
31..	59.81	60.29	61.89	59.11	59.04	61.12	60.21	24.5	23.3	26.8	29.3	27	24.8	26	30.6	22.9	88	97	86	76	86	94	87.8	....
Mean	58.76	59.31	60.08	57.80	58.20	59.60	58.96	24	23.5	27.3	30.8	27.1	25.1	26.3	31.6	22.8	93.2	94.7	80.1	67.1	82.3	89.8	84.5	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	149.1

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	....	....	Calm	....	SW	1	SSW	1	NE	1	NW	2	1	0	....	....	6	....	Cu. S
2..	NW	1	NW	2	N	2	NW	2	NE	3	NW	3	2.2	0	....	....	2	....	Fr.-Cu. N
3..	....	....	Calm	....	....	....	NE	2	....	....	....	....	....	6	Ci.	S.-Cu. SE	8	Ci.	Cu. N
4..	....	....	Calm	....	WSW	1	NE	1	....	....	NE	2	1	7	Ci.,Ci.-S.	....	7	Ci.	Fr.-Cu.
5..	....	....	Calm	....	E	1	NW	1	NW	1	N	1	.8	6	Ci.,Ci.-S.	....	7	Ci.	Cu.
6..	Calm	....	SE	1	SW	1	NE	2	NW	3	Calm	....	1.2	5	Ci.	S.-Cu. S	8	....	Cu.-N. N
7..	NW	1	NW	2	Calm	....	NE	2	NE	2	N	2	1.5	7	....	Cu.-N. NE	10	....	Cu.-N.
8..	NE	1	NE	1	NE	2	Calm	....	Calm	....	N	2	1	7	....	Cu.-N. N	10	....	N.
9..	N	1	NE	1	N	1	N	1	Calm	....	Calm	....	.7	10	....	N.	10	....	Cu.-N.
10..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	10	....	N.	10	....	N.
11..	Calm	....	Calm	....	SE	2	S	2	Calm	....	Calm	....	.7	10	....	Cu.-N. S	6	Ci.	Cu. S
12..	Calm	....	Calm	....	S	1	SW	1	Calm	....	Calm	....	.3	4	Ci.	Cu.	4	Ci.	Cu. S
13..	SE	1	S	1	S	1	NE	1	NE	1	N	1	1	4	Ci.	....	7	Ci.	Fr.-Cu. NE
14..	SSE	2	S	1	SE	1	NE	1	NW	1	NW	1	1.2	6	Ci.	Cu. S	4	Ci.-Cu.	Fr.-Cu.
15..	NW	1	Calm	....	SE	2	SE	1	SE	2	Calm	....	1	10	....	Cu.-N.	9	A.-Cu.	Cu.-N. SW
16..	N	1	NW	1	Calm	....	S	1	S	2	Calm	....	.8	10	....	N.	10	....	Cu.-N. SE
17..	SE	1	S	1	SE	1	SW	1	Calm	....	Calm	....	.7	10	....	N.	4	....	Fr.-Cu. S
18..	Calm	....	Calm	....	NE	1	NW	1	NW	1	NE	3	1	10	....	N.	8	Ci.	Cu. N
19..	NE	1	Calm	....	NE	1	NE	1	NW	3	N	3	1.5	7	Ci.	Cu.-N. N	8	Ci.-S.	Cu.-N. E
20..	NW	2	Calm	....	NNE	1	NE	3	NW	3	NW	2	1.8	7	....	Cu.-N.	10	Ci.-S.	Cu.-N. N
21..	NW	2	NW	3	NE	1	Calm	....	Calm	....	Calm	....	1	10	....	Cu.-N. N	10	....	S.-Cu.
22..	SW	1	SW	1	S	1	Calm	....	Calm	....	Calm	....	.5	7	Ci.	Cu.-N. S	10	....	Cu.-N. S
23..	Calm	....	Calm	....	SW	1	SE	1	NW	2	N	1	.8	8	....	S.-Cu.	4	....	Cu. S
24..	N	1	NW	4	NE	1	NW	3	NW	2	NW	2	2.2	6	A.-Cu.	Cu.-N.	10	Ci.-S.	Cu.-N. N
25..	NW	1	Calm	....	N	1	NE	2	NW	1	NW	2	1.2	7	....	Cu.-N. S	8	....	S.-Cu. N
26..	N	1	Calm	....	SE	1	Calm	....	NW	2	Calm	....	.7	6	Ci.	S.-Cu. ENE	8	....	Cu.-N. S
27..	Calm	....	Calm	....	S	1	NE	1	Calm	....	Calm	....	.3	0	....	....	5	....	Cu. SW
28..	Calm	....	Calm	....	SW	1	NE	1	NW	1	Calm	....	.5	8	....	Cu.-N. E	4	....	Cu. N
29..	Calm	....	Calm	....	NW	1	NW	1	Calm	....	Calm	....	.3	8	....	S.-Cu. SW	6	Ci.	Cu. S
30..	Calm	....	Calm	....	SW	1	NE	1	Calm	....	NW	1	.5	6	A.-Cu.	Cu. S	8	....	Cu.-N.
31..	S	1	Calm	....	Calm	....	N	1	NW	1	Calm	....	.5	10	....	Cu.-N. S	8	Ci.	Cu.-N. N
Mean	......	0.7	......	0.6	......	1	......	1.2	......	1.1	......	0.9	0.9	6.8	....	....	7.4	....	....

TUGUEGARAO

[ϕ=17° 30′ N; λ=121° 40′ E; barometer above sea, 22 meters gravity correction not applied, −1.61 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.07	60.90	61.54	59.72	60.38	61.76	60.73	24.6	23.7	26.8	29.4	25.5	24.5	25.8	29.6	23.3	93	91	85	72	90	93	87.3	....
2..	60.54	61.32	62.16	60.10	60.51	61.08	60.95	23.6	23.3	26.4	27.6	27.1	24.6	25.4	31.1	22.5	97	98	90	88	88	91	92	....
3..	60.21	61.15	62.27	59.61	59.78	61.23	60.71	23	22.7	26	30.8	28.3	24.5	25.9	34	22.1	95	98	84	70	79	87	85.5	....
4..	60.35	61.38	61.74	59.35	59.46	60.90	60.53	22.3	21.4	26.7	32.2	27.8	24.5	25.8	32.4	21.1	91	96	83	54	80	91	82.5	....
5..	59.24	60.10	60.58	58.11	58.01	59.56	59.27	23.1	22.8	27	33	27.8	24.6	26.4	34	22.6	98	97	87	59	80	87	84.7	....
6..	58.49	59.43	60.25	58.05	58.73	60.48	59.24	22.6	22.4	27	29.7	27	25.4	25.7	30	21.5	95	93	83	68	85	88	85.3	....
7..	59.16	60.36	61.46	58.86	59.33	61.07	60.04	23.4	22.8	27	31	27	24.8	26	32.5	22.6	95	95	83	69	81	95	86.3	1.5
8..	59.89	60.61	61.16	58.41	58.17	59.38	59.60	24	22.1	26.2	31.8	27.9	24.8	26.1	33.2	21.7	96	100	89	64	78	95	87	....
9..	58.86	59.25	59.88	58.23	58.06	58.98	58.88	22.5	21.2	27	31	26.8	24.3	25.5	31.7	21	98	98	80	63	83	91	85.5	....
10..	58.70	58.69	58.98	56.48	57.13	58.10	58.01	23.4	23.2	27.2	30.8	26.3	23.8	25.8	31.2	22.5	97	97	81	64	87	95	86.8	....
11..	57.67	58.27	58.43	56.21	57.56	58.56	57.78	23.3	23.5	28	32.2	26.7	23.9	26.3	32.2	22.4	97	93	77	61	79	97	84	....
12..	58.11	58.67	59.63	58.08	58.70	59.80	58.83	23.6	23.4	26.6	28.5	26	24.4	25.4	29	22.7	98	97	84	68	89	97	88.8	....
13..	58.57	59.27	60.20	59.57	60.20	61.28	59.85	23.5	23.1	27.5	28.3	25.3	24.3	25.3	29	22.7	93	94	78	59	73	85	80.3	....
14..	60.22	61.17	61.86	60.56	61.02	61.38	61.04	22	21.8	26.8	26.3	24.8	23.3	24.2	28.5	21.5	95	95	65	70	75	79	79.8	....
15..	60.63	61.58	62.60	59.86	60.25	60.75	60.94	22.9	22.3	24.8	25.3	23	22.3	23.4	26.1	20.9	84	84	77	69	83	88	80.8	....
16..	59.95	60.26	61.10	58.68	58.72	59.52	59.70	21.6	21.8	25.2	26.3	24.8	23.2	23.8	26.6	20.4	95	93	83	85	87	99	90.3	6.1
17..	58.19	58.51	59.28	57.22	57.93	58.95	58.35	23.2	23	26	31.6	26	24.5	25.7	32.2	22	97	98	88	66	92	97	89.7	....
18..	58.43	59.31	60	57.26	58.73	59.80	58.92	23.7	23.6	27	33.5	24.9	24.9	26.3	33.6	23	94	93	84	56	82	92	83.5	20.3
19..	59.65	59.65	61.22	58.55	59.49	59.96	59.75	24.3	23.4	23.3	24.5	25.1	22.7	23.9	26.6	22	91	97	97	91	86	96	93	14.2
20..	59.68	59.96	60.65	57.63	58.07	59.08	59.18	22.6	21.5	24.6	30.4	26.4	25.3	25.1	31.2	21	96	99	92	66	90	93	89.3	1.8
21..	58.45	58.92	59.04	57.74	58.62	60.42	58.86	23.5	22.8	26	27.4	23.8	22.2	24.3	27.7	21.7	96	97	89	78	89	95	90.7	....
22..	59.04	60.47	62.20	60.08	60.31	60.85	60.49	21.7	21.2	24	26.2	21.9	20.4	22.6	26.6	19.5	91	90	75	76	81	89	83.7	....
23..	60.50	61.34	62.10	60.19	61.50	61.75	61.23	20.1	20.2	23	25.8	23.6	21.9	22.4	26	19.5	91	93	78	62	75	83	80.3	....
24..	60.90	61.25	63.29	61.52	62.15	62.78	61.98	20.6	20.2	24.5	27.6	23.6	21.1	22.9	27.8	19.4	89	91	72	56	72	87	77.8	....
25..	62.02	62.64	63.71	61.88	62.16	63.28	62.62	20.5	20.1	23.7	24.8	22.2	21	22.1	25.7	19.2	90	90	62	76	93	97	84.7	3.8
26..	62.68	62.78	63.55	61.89	61.43	61.96	62.38	20.6	20.5	22	24.2	22.4	22	22	24.2	19.8	97	97	89	90	90	91	92.3	24.3
27..	60.68	61.27	62.03	60.39	61.07	61.25	61.12	21.8	22.2	24	25	23.5	22.8	23.2	25.2	21.5	99	98	97	94	98	99	97.5	49.5
28..	60.07	61.15	62.77	61.43	62.19	63.18	61.80	22.9	22.8	23.8	23.5	23.5	23.4	23.3	25.1	22.4	97	98	98	100	100	90	97.2	33.8
29..	62.27	62.35	63.45	60.53	62.30	63.18	62.35	23	22.8	24.6	26.8	23.1	22.2	23.8	27.6	21.8	97	98	95	88	97	98	95.5	98.2
30..	62.28	63.05	63.95	61.83	63.41	63.73	63.04	22	21.8	22.8	23.4	23.5	23.2	22.8	24	21.2	98	99	100	100	96	97	98.3	72.9
Mean	59.85	60.50	61.37	59.27	59.85	60.80	60.27	22.7	22.3	25.5	28.3	25.2	23.5	24.6	29.2	21.5	94.7	95.2	84.2	72.7	85.3	92.1	87.3	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	326.4

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	SW	1	SW	1	Calm	....	NE	1	SE	1	Calm	....	0.7	8	A.-Cu.	Cu.-N. S	10	....	Cu.-N. N
2..	Calm	....	Calm	....	Calm	....	SE	1	NE	1	Calm	....	.3	10	....	N.	10	....	Cu.-N.
3..	NE	1	NE	1	Calm	....	Calm	....	Calm	....	Calm	....	.3	0	....	....	3	....	Cu.
4..	Calm	....	Calm	....	Calm	....	NE	1	Calm	....	Calm	....	.2	0	....	....	4	....	Cu. E
5..	Calm	....	Calm	....	S	1	SE	1	Calm	....	Calm	....	.3	0	....	....	3	....	Fr.-Cu.
6..	SE	1	SE	1	SE	1	S	1	Calm	....	Calm	....	.7	7	....	Cu.-N. SW	10	Ci.-S.	Cu.-N.
7..	Calm	....	SE	1	NE	1	SE	1	S	1	Calm	....	.7	3	....	S.-Cu.	8	....	Cu.-N. S
8..	SE	1	S	1	S	1	E	1	SE	2	E	1	1.2	8	....	S.-Cu. S	2	....	Fr.-Cu.
9..	NE	1	Calm	....	N	1	N	1	NE	1	NW	1	.8	6	Ci.	Cu. SE	7	....	Cu. N
10..	Calm	....	Calm	....	ESE	1	NE	2	NE	2	NE	3	1.3	10	....	N.	8	Ci.-S. N	Cu. NE
11..	NW	2	N	1	NW	2	NW	2	NE	2	NE	2	1.8	7	Ci.	Cu.-N. NE	6	....	Cu.
12..	NW	1	NW	2	NW	2	NNE	3	NW	2	NE	3	2.2	6	....	S.-Cu. N	8	....	Cu.-N. NE
13..	N	3	NW	3	NW	4	N	4	NE	2	NW	4	3.3	10	....	S.-Cu. N	10	....	S.-Cu. N
14..	NW	2	N	2	NW	2	N	4	NW	2	NE	3	2.5	6	....	S.-Cu.	10	Ci.-S.	Cu.-N. NE
15..	NE	4	NE	2	NNE	1	NW	2	NW	3	N	1	2.2	8	....	S.-Cu. N	10	....	Cu.-N. E
16..	NW	1	Calm	....	NE	1	NE	1	NE	1	NE	2	1	10	....	N.	10	....	Cu.-N. N
17..	N	3	Calm	....	Calm	....	SW	2	Calm	....	N	1	1	10	....	Cu.-N.	7	Ci.	Cu. S
18..	Calm	....	N	1	S	1	W	1	S	1	NE	2	1	10	....	N.	8	....	Cu.-N. S
19..	NW	2	NW	1	NE	1	NE	1	N	2	Calm	....	1.2	10	Ci.-Cu.	N.	7	....	Cu.-N. NE
20..	Calm	....	Calm	....	E	1	Calm	....	NE	1	N	1	.5	7	....	Cu.-N. SW	3	Ci.	Fr.-Cu.
21..	N	3	NW	2	NW	2	N	4	NE	3	NE	3	2.8	10	....	Cu.-N.	7	....	Cu.-N. N
22..	NE	3	NE	4	NE	4	NW	2	NW	3	......	....	3.2	10	....	Cu.-N. N	3	....	Cu.
23..	......	....	Calm	....	Calm	....	NW	1	......	....	......	....	....	10	....	Cu.-N.	10	....	Cu.-N. N
24..	......	....	......	....	NW	3	N	5	NE	3	N	3	3.5	....	....	....	6	....	Cu.
25..	NW	4	WNW	2	N	3	NE	4	NW	3	NW	1	2.8	10	....	S.-Cu. N	8	....	Cu.-N. N
26..	NE	1	E	1	NE	2	NW	3	NW	3	N	3	2.2	10	....	N.	10	....	Cu.-N. N
27..	NW	3	NW	2	NE	5	N	3	N	2	N	1	2.7	10	....	N.	10	....	Cu.-N. N
28..	Calm	....	Calm	....	Calm	....	NW	1	W	1	Calm	....	.3	10	....	N.	10	....	N.
29..	Calm	....	Calm	....	Calm	....	N	2	NW	1	N	2	.8	10	....	N.	10	....	Cu.-N.
30..	Calm	....	Calm	....	Calm	....	Calm	....	S	1	Calm	....	.2	10	....	N.	10	....	N.
Mean	......	1.3	......	1	......	1.3	......	1.8	......	1.5	......	1.3	1.4	7.8	....	....	7.6	....	....

TUGUEGARAO

[φ=17° 36′ N; λ=121° 40′ E; barometer above sea, 22 meters; gravity correction not applied, —1.61 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.66	62.81	63.32	60.30	61.83	62.65	62.10	22.7	22.5	24	27.8	25.1	23.8	24.3	28.8	21.5	97	100	93	77	89	97	92.2	28.4
2..	61.57	62.30	63.79	61.28	61.92	62.70	62.26	23	22.7	24.3	23.8	24.8	22.8	23.6	27.4	22.1	98	99	99	98	89	95	96.3	16.5
3..	61.88	61.54	61.90	59.55	59.87	60.32	60.84	22.3	21.8	23.8	28.3	25.4	23.8	24.2	28.4	21.5	97	97	97	81	93	97	93.7	......
4..	59.85	60.22	60.55	57.70	58.13	59.70	59.36	22.9	22.7	25.4	27.8	26.4	23.5	24.8	28.9	22.4	98	98	92	83	89	93	92.2	8.9
5..	58.31	58.72	59.74	57.30	57.98	58.67	58.45	23	22.9	24.7	27.6	25.3	24.3	24.6	27.8	22.5	96	99	95	85	93	93	93.5	9.7
6..	57.65	57.94	59.06	56.73	57.90	58.30	57.93	23.7	23.6	24.6	27.2	25.4	23.8	24.7	27.2	23.2	97	98	97	86	93	97	94.7	4.1
7..	57.90	58.30	59.89	57.20	58.02	58.81	58.35	23.9	23.8	26.4	30.2	26.8	24.9	26	31	23.2	97	97	90	71	84	96	89.2	......
8..	58.73	58.95	60.48	57.98	58.46	59.75	59.06	24.6	24.3	26.2	31.6	26.7	24.8	26.4	32.1	24	97	97	90	69	88	97	89.7	......
9..	59.65	59.80	61.46	59.35	59.90	61.32	60.25	24.1	23.8	26.5	25.9	24.8	23.6	24.8	28.5	22.7	97	97	86	93	93	96	93.7	......
10..	60.97	61.80	62.99	60.63	60.85	62.03	61.54	23.1	22.1	24.7	26.8	25.8	24.5	24.5	28.8	21.5	97	99	89	82	84	87	89.7	2.5
11..	61.70	62.23	63.18	60.54	60.77	61.57	61.66	23.2	23	25	28.5	26.8	25	25.2	30	21.9	93	97	96	75	87	87	89.2	......
12..	60.24	60.32	60.96	58.61	59.04	60.24	59.90	23.6	22.1	25.4	30.6	26.8	24	25.4	31	21.8	93	96	88	69	83	95	87.3	......
13..	59.29	60.15	60.68	58.75	59.27	60.35	59.75	23.7	23.5	26	26.8	24.2	23	24.5	28.5	22.5	97	97	84	83	94	92	91.2	......
14..	60.07	60.22	61.15	58.38	58.95	59.85	59.77	22.2	21.8	24.4	26.5	23.6	22	23.4	27.3	21.3	92	88	84	92	95	96	91.2	......
15..	59.31	60.07	61.89	59.48	59.92	61.20	60.31	21.4	20.7	24.2	27.6	24.2	21.8	23.3	28.4	20.3	96	97	77	76	91	94	88.5	......
16..	60.43	61.07	62.24	60.66	61.27	62.68	61.39	20.9	20.7	24	26	22.9	21.4	22.6	26.3	20.1	95	96	84	80	87	90	88.7	......
17..	62.41	62.65	63.91	61.89	62	63.23	62.68	21.2	21.2	23.3	24.4	24	21.7	22.6	24.5	20.4	95	94	93	91	84	91	91.3	......
18..	62.94	63.05	64.44	62.34	62.49	63.73	63.16	21.6	21.4	24	26.8	23.8	22.5	23.4	27.5	20.9	91	92	86	72	81	84	84.3	2
19..	62.81	63.61	64.98	62.85	.....	.....	63.56	21.7	21.7	23.6	27.2	....	....	23.6	27.4?	21	90	89	85	75	....	....	84.8	......
20..	.....	.....	64.40	61.46	61.87	63.48	62.80	....	....	23.9	28.8	26.6	23.7	25.8	31.2	22	....	....	84	68	76	88	79	......
21..	63.15	63.15	64.55	63.63	64.15	65.25	63.98	22.9	22.6	25.2	23.6	20.8	20.7	22.6	25.6	20.4	92	93	85	89	97	98	92.3	48.3
22..	64.79	64.54	65.25	63.49	63.60	64.73	64.40	20.6	20.6	22	24.2	22.7	21.3	21.9	24.5	20.3	99	100	98	90	89	95	95.2	5.1
23..	64.49	64.30	64.93	62.18	62.52	62.94	63.56	21.2	21.1	22.8	25	23.3	22.3	22.6	25.4	20.8	96	98	98	87	97	96	95.3	13.9
24..	61.63	61.50	62.60	60.23	60.40	61.53	61.32	22	22	23.3	26.1	24	23.2	23.4	27.3	21.3	96	95	97	86	86	90	91.7	......
25..	60.87	60.97	61.70	60.35	60.86	62.23	61.16	22.7	22.4	24.8	27	23.1	22	23.7	27.8	21.5	93	92	85	79	91	96	89.3	......
26..	61.68	62.31	63.40	60.51	60.90	61.33	61.69	21.9	21.8	24.6	26.1	24.9	23	23.7	27.8	21.5	96	96	83	77	87	91	88.3	......
27..	60.71	61.37	62.34	59.96	60.44	61.62	61.07	22.9	21.8	25	29.8	26.6	23.5	24.9	30.9	20.8	87	93	85	66	80	93	84	......
28..	61.45	61.90	63.35	61.39	62.58	63.83	62.42	23	22	24.5	27.2	24.1	22	23.8	27.9	21	94	95	84	70	79	91	85.5	......
29..	64.15	64.49	66.57	64.39	65.26	66.46	65.22	21.6	20.2	22.2	22.8	20.2	19.5	21.1	23.6	17.8	79	87	78	74	81	81	80	......
30..	65.54	66.40	67.28	65.55	66.22	67.03	66.34	19.1	18	22	22	19.2	18	19.7	23.6	17.2	83	86	66	63	72	80	75	......
31..	65.73	66.31	67.21	64.43	64.83	65.70	65.70	16.3	17	20.2	24.2	21.6	19	19.7	24.8	15	90	90	80	59	75	87	80.2	......
Mean	61.39	61.77	62.91	60.62	61.07	62.11	61.68	22.2	21.9	24.2	26.7	24.3	22.6	23.7	27.7	21.1	93.9	95.1	88	78.9	86.9	92.1	88.9	......
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	139.4

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction.		Amount.	Form and direction.	
															Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	Calm	....	Calm	....	NW	1	NW	2	NW	1	NE	2	1	10	....	N.	8	A.-Cu.	Cu.-N. E
2..	Calm	....	Calm	....	SW	1	Calm	....	NW	1	NE	1	.5	10	....	N.	10	....	N.
3..	Calm	....	Calm	....	Calm	....	NW	1	Calm	....	S	1	.3	10	....	N.	6	....	Cu.-N. N
4..	Calm	....	Calm	....	SW	1	NW	1	Calm	....	Calm	....	.3	8	....	Cu.-N.	7	Ci.	Cu. ENE
5..	Calm	....	Calm	....	Calm	....	W	1	Calm	....	Calm	....	.2	10	....	N.	10	....	Cu.-N.
6..	Calm	....	Calm	....	S	1	Calm	....	Calm	....	Calm	....	.2	10	....	Cu.-N.	10	....	Cu.-N. NE
7..	Calm	....	Calm	....	SW	1	SW	1	NW	1	SW	1	.7	10	....	N.	3	Ci.	....
8..	S	1	Calm	....	SW	1	SW	1	NW	1	W	1	.8	10	....	N.	5	....	Cu. S
9..	Calm	....	Calm	....	NW	1	NE	2	NW	1	NW	1	.8	6	Ci.	S.-Cu.	10	....	Cu.-N. N
10..	Calm	....	Calm	....	SE	1	NE	2	NE	2	NE	1	1	10	....	N. S	6	....	Cu. E
11..	SW	1	S	1	S	1	Calm	....	Calm	....	S	1	.7	10	....	N.	8	....	Cu.-N. S
12..	SE	1	SW	1	SW	1	SE	1	NE	1	N	2	1.2	8	....	S.-Cu. S	4	....	Cu. SW
13..	NE	1	E	1	NW	3	NW	2	N	2	NW	3	2	10	....	N.	8	....	Cu.-N. NE
14..	NW	3	NW	3	NE	2	NW	3	NW	1	NW	1	2.2	10	....	Cu.-N. N	10	....	Cu.-N. N
15..	Calm	....	Calm	....	NW	1	NW	2	NW	2	NW	3	1.3	7	....	S.-Cu.	8	....	Cu. N
16..	NW	3	NE	1	N	1	NW	4	NW	3	NW	3	2.5	2	Ci.	Cu.	8	....	Cu.-N. NE
17..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	N	1	.2	10	....	N.	10	....	N.
18..	NW	1	NW	1	Calm	....	NW	1	WNW	1	NE	1	.8	8	....	S.-Cu. N	7	....	Cu.-N. NE
19..	N	1	Calm	....	Calm	....	SW	1	......	....	......	....	.5	8	....	Cu.-N.	7	A.-Cu.	Cu.
20..	......	....	......	....	S	1	Calm	....	Calm	....	NE	2	.8	....	....	....	8	....	Cu. S
21..	NW	2	W	1	NW	2	NW	2	NW	3	NW	4	2.3	8	....	Cu.-N. N	10	....	N.
22..	N	1	Calm	....	Calm	....	NW	2	NW	1	NW	2	1	10	....	N.	10	....	Cu.-N. N
23..	Calm	....	NW	1	NW	1	N	2	Calm	....	Calm	....	.7	10	....	N.	10	....	Cu.-N. N
24..	NW	1	NW	1	NW	1	N	2	NW	2	N	2	1.5	10	....	N.	8	....	Cu.-N. N
25..	NW	1	N	1	NW	2	NW	4	NW	3	NW	2	2.2	10	....	N.	5	....	Cu. N
26..	NW	1	NW	1	NW	2	W	1	Calm	....	Calm	....	.8	7	Ci.	S.-Cu.	7	Ci.-S.	Cu.-N. N
27..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	6	....	N.	5	Ci.	Cu.
28..	NW	1	Calm	....	NE	2	NE	3	Calm	....	NE	3	1.5	7	....	Cu.	10	Ci.-S.	S.-Cu. NE
29..	Calm	....	NE	4	NE	3	NE	4	NE	3	NE	3	2.8	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu. NE
30..	NE	2	NE	3	NE	4	NE	4	NE	4	Calm	....	2.8	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
31..	Calm	....	Calm	....	Calm	....	Calm	....	NW	1	Calm	....	.2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
Mean	......	0.7	......	0.7	......	1.1	......	1.6	......	1.1	......	1.4	1.1	8.8	....	....	8	....	....

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[ϕ=18° 12′ N; λ=120° 35′ E; barometer above sea, 10 meters; gravity correction not applied, —1.58 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct*	*mm.*
1..	60.96	61.27	62.57	60.74	61.86	62.93	61.72	22.2	19.7	30.4	31.5	27	25.7	26.1	32.1	19.7	88	95	56	54	75	81	74.8	....
2..	62.87	63.02	63.82	61.01	60.98	62.50	62.37	24.9	23.8	29.8	30.8	25.1	23.4	26.3	32.1	23.2	83	88	60	58	78	88	75.8	....
3..	62.42	62.43	63.59	60.86	61.99	63.15	62.41	23	22.5	28.9	31.2	24.9	23	25.6	32.1	22.4	90	92	61	54	79	91	77.8	....
4..	62.99	63.25	64	61.11	61.93	63	62.71	22.4	22	28.8	31.3	26.4	22.8	25.6	32.4	21.3	95	96	61	55	70	76	75.5	....
5..	63.01	63.26	64.23	62.39	63.88	64.81	63.60	20.3	18.7	29.6	29.2	25.1	24	24.5	29.9	18.7	90	99	55	62	78	77	76.8	....
6..	64.94	65.15	65.55	63.28	63.89	64.74	64.59	22.7	21.2	27.6	30.2	26.3	23.4	25.2	31.4	20.6	78	91	53	42	64	70	66.3	....
7..	64.14	63.76	63.88	61.27	62.14	63	63.03	19.1	17.4	30.1	33.2	28.3	24.2	25.4	33.4	17	87	98	53	47	64	82	71.8	....
8..	62.82	62.86	63.77	60.98	61.04	62.04	62.25	20.8	19	29.1	31	26.5	22.2	24.8	31.6	19	87	98	61	57	74	81	76.3	....
9..	61.55	61.56	62.35	59.99	60.30	61.05	61.13	20.8	19.1	28.2	30.8	26.1	21.7	24.4	31.1	19.1	87	97	62	58	76	83	77.2	....
10..	60.19	60.25	61.30	58.89	59.11	60.22	59.99	19.8	18.2	27.8	31.4	27.5	22.3	24.5	31.5	18.1	85	96	66	57	76	80	76.7	....
11..	59.89	59.79	60.75	59.03	59.76	60.54	59.96	19.9	18.8	27	29.5	26	22.9	24	30.8	18.4	90	98	72	70	78	87	82.5	....
12..	60.26	60.20	61.40	59.63	60.03	61.05	60.43	20	18.5	26.1	29.9	25.3	20	23.3	30.1	18.3	92	99	73	64	77	91	82.7	....
13..	60.94	60.97	62.24	59.75	59.76	61.05	60.78	17.7	16.3	27	30.1	26.9	23.4	23.6	31.1	16.1	95	99	65	62	73	85	79.8	....
14..	61.01	61.99	63	60.98	61.38	62.09	61.74	19.3	17.3	29.8	32.3	29.3	23.5	25.2	33.7	17.3	91	97	58	54	62	72	72.3	....
15..	62.48	62.52	63.69	61.90	62.28	62.99	62.64	21.2	19.3	28.9	30.8	28	23.1	25.2	32.1	19.1	82	95	58	57	69	82	78.8	....
16..	62.95	62.48	63.50	61.13	61.89	63	62.49	21.4	19.4	29.2	33.1	27.5	23.7	25.7	33.1	19.3	91	96	55	45	69	69	70.8	....
17..	63.01	63.12	64.36	62.39	62.04	63.79	63.12	20.7	18.8	29.8	32.7	29.4	22.3	25.6	33	18.4	86	96	54	48	64	78	71	....
18..	63.88	63.98	65.43	63.24	63.24	64.25	64	19.8	18.7	29.4	31	27.1	22.9	24.8	31.1	18.7	90	97	62	57	69	75	75	....
19..	64.12	64.36	64.98	63.23	64.14	64.86	64.28	22.1	20.9	29.7	28.3	24.7	22.2	24.6	30.8	20	78	84	59	64	75	89	74.8	....
20..	64.61	64.69	64.88	61.96	62.38	63.69	63.70	21.2	20.8	28.6	31.4	26	23.5	25.2	31.8	20.1	96	96	54	49	70	77	73.7	....
21..	63.52	63.87	64.86	62.21	62.74	63.90	63.52	18.6	16.2	29.2	31.1	26.8	20.2	23.7	31.5	16.2	84	98	58	51	74	91	76	....
22..	63.71	63.65	64.86	61.67	61.94	62.94	63.13	17.7	15.4	28.6	31.9	25.9	19.5	23.2	32.9	15.3	95	98	54	47	68	89	75.2	....
23..	62.66	62.44	63.90	61.40	61.41	62.46	62.38	16.2	15	28.1	30.4	26.8	22.5	23.2	30.8	14.8	92	100	61	58	77	83	78.5	....
24..	62.29	62.24	63.39	61.05	61.24	62.02	62.04	19.4	17.8	27.2	30.1	26.5	22.8	24	30.1	17.2	90	92	67	59	76	78	77	....
25..	62.01	62.09	63.92	61.10	61.18	61.92	62.04	21.3	17.4	26	30.3	25.8	20.5	23.6	31	16.2	86	98	65	55	70	84	76.3	....
26..	61.96	61.98	63.66	60.94	61.36	62.47	62.06	16.9	15.4	24.8	31.3	26.9	20.5	22.6	31.5	15.4	95	98	69	47	66	77	75.3	....
27..	62.27	62.33	63.69	61.20	61.86	63.03	62.40	18.1	16.3	27.7	30.6	26.7	20.8	23.4	31.9	16	87	93	47	52	71	76	71	....
28..	62.98	63.03	63.80	60.43	60.08	61.34	61.94	18.5	17.2	27.6	32.2	28.5	21.2	24.2	32.4	16.6	87	96	68	51	67	87	76	....
29..	61.53	61.96	63.04	61.08	61.16	62.03	61.80	19.4	17.7	28.3	31.6	27.7	25.7	25.1	32	17.7	90	93	63	54	68	71	73.2	....
30..	61.95	62.02	63.44	60.93	60.99	62.03	61.89	23.1	21.6	29.8	31.4	27.3	24	26.2	31.7	21.4	84	93	62	57	76	83	75.8	....
31..	61.30	61.27	62.48	59.97	60.85	61.77	61.27	20.4	19.4	28.5	32.3	28.2	23.3	25.4	32.9	18.7	89	94	67	54	68	80	75.3	....
Mean	62.43	62.51	63.56	61.15	61.58	62.60	62.30	20.3	18.7	28.4	31.1	26.8	22.6	24.7	31.7	18.4	88.4	95.5	60.6	54.8	71.6	81.1	75.3	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SSE	SSE	Calm	NW	NNW	Calm	13.2	27.4	41.8	3.2	85.6	0	Ci.-S.	Cu.	0	Ci.-S.	Cu.
2..	Calm	Calm	NNE	NNW	N	NNE	4.8	38.6	74	49.7	167.1	4	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
3..	NNE	NNE	N	NNW	N	NNW	40.4	45.9	71.4	55.5	213.2	5	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
4..	N	NNW	NNW	NNE	N	NNE	40	47.8	65.7	21.2	174.7	3	Ci.-S.	S.-Cu.	0	Ci.-S.	Cu.
5..	Calm	Calm	NNE	NNE	NNE	NNE	6.6	33.6	56.5	34	130.7	1	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.-N.
6..	NNE	Calm	E	E	Calm	Calm	21.4	57.1	98.2	6.4	183.1	9	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
7..	Calm	Calm	E	E	SE	Calm	4.8	39.4	44.5	12.9	101.6	0	Ci.-S.	S.-Cu.	0	....	Cu.
8..	Calm	SSE	S	NNW	NNW	Calm	9.7	23.8	44.6	9.7	87.8	0	Ci.-S.	S.-Cu.	0	Ci.-S.	Cu.
9..	Calm	Calm	NNE	NNW	NNW	Calm	14.2	21.9	47.8	5.3	89.2	0	Ci.-S.	S.-Cu.	0	....	Cu.
10..	Calm	Calm	NNE	WNW	Calm	Calm	8.7	26.8	38.6	6.4	80.5	0	....	Cu.	0	Ci.-S.	Cu.
11..	Calm	Calm	WSW	NW	Calm	Calm	13.9	27.2	40	6.9	88	0	....	Cu.	2	Ci.-S.	Cu.
12..	Calm	E	NE	NNW	Calm	Calm	15.3	26	38.4	10.8	90.5	0	....	S.-Cu.	0	....	Cu.
13..	ENE	E	Calm	NNW	N	Calm	20.3	32.8	57.9	17.7	128.7	0	....	Cu.	1	Ci.-S.	Cu.
14..	Calm	Calm	Calm	NW	SW	Calm	8	17.7	37	11.8	74.5	0	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu.
15..	Calm	SW	S	NW	Calm	Calm	19.9	25.7	42.8	3.8	92.2	1	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu.
16..	Calm	Calm	Calm	NNW	Calm	NNE	12.4	24.6?	55.7	21.1	113.8	3	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
17..	Calm	Calm	NNE	NNW	Calm	Calm	11.6	16.7	35.1	6.7	70.1	0	....	S.-Cu.	2	Ci.-S.	Cu.
18..	Calm	NNW	NNE	NNE	NNE	NNE	11.6	28.4	43.8	21.9	105.7	0	....	S.-Cu.	2	Ci.-S.	Cu.
19..	Calm	NNE	NNE	NNE	NNE	NNE	21.4	29.2	58.7	35.7	145	0	....	S.-Cu.	7	Ci.-S.	Cu.-N.
20..	N	NNE	NNE	NNE	NNE	NNE	28.8	45.6	50.4	26.8	151.6	0	....	S.-Cu.	0	Ci.-S.	Cu.
21..	Calm	Calm	Calm	NNW	Calm	NNE	3	13.4	35.4	13.4	65.2	4	Ci.-S.	S.-Cu.	0	....	Cu.
22..	Calm	Calm	NNE	NNE	N	Calm	9.9	19	49.1	10.2	88.2	0	....	S.-Cu.	0	Ci.-S.	Cu.
23..	Calm	Calm	ENE	W	NW	Calm	13.2	30	40.5	7.2	90.9	0	....	S.-Cu.	0	Ci.-S.	Cu.
24..	Calm	Calm	Calm	W	WNW	Calm	16.9	24.1	38.9	11.3	91.2	0	....	S.-Cu.	0	Ci.-S.	Cu.
25..	ENE	E	Calm	NW	Calm	Calm	14.3	16.7	53.1	10	94.1	0	....	S.-Cu.	0	Ci.-S.	Cu.
26..	NE	E	Calm	WNW	W	E	17.9	26.9	44.3	15.6	104.7	0	....	S.-Cu.	0	....	Cu.
27..	Calm	E	E	NW	Calm	Calm	20.1	22.2	44.1	8.7	95.1	0	....	S.-Cu.	0	....	Cu.
28..	E	Calm	SE	WNW	SW	Calm	18	20.1	35.9	8.3	82.3	0	....	S.-Cu.	0	....	Cu.
29..	E	Calm	S	NNW	Calm	Calm	18	30.1	40.7	4.5	93.3	0	....	Cu.	0	Ci.-S.	Cu.
30..	Calm	Calm	NNW	NNW	N	Calm	5.3	23.6	61.2	20.6	110.7	10	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu.
31..	NE	NE	NNE	WNW	Calm	Calm	14.7	18.8	40	3.8	77.3	0	....	S.-Cu.	0	Ci.-S.	Cu.
Mean	......	......	......	......	......	......	15.4	28.4	49.2	15.5	108.6	1.3	....	....	1.3	....	....
Total	......	......	......	......	......	......	......	......	......	......	3,366.6	....	....	....	....	....	....

LAOAG

[$\phi=18°$ 12′ N; $\lambda=120°$ 35′ E; barometer above sea, 10 meters; gravity correction not applied, —1.58 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.49	61.53	62.89	61.03	61.83	62	61.80	19.4	17	27.7	32	27.9	22.5	24.4	32.1	17	83	98	67	52	67	78	74.2	....
2..	62.01	62.19	63.53	61.99	62.20	63	62.49	19.4	18.1	27	31	27.8	24.4	24.6	31.1	18	83	91	72	58	67	77	74.7	....
3..	62.97	63.14	63.65	61.56	62.78	63.94	63.01	20.7	18.7	28.8	32.3	28.2	23.7	25.4	32.9	18.6	84	95	60	47	68	82	72.7	....
4..	64.01	64.40	65.72	63.85	64.80	65.40	64.70	20.8	22.1	27.9	27.8	22.7	21.7	23.8	28.1	20.5	89	88	64	63	80	85	78.2	....
5..	65.15	65.46	65.94	63.13	64.39	65.29	64.89	21.6	21.1	28.8	29.3	24.4	19.8	24.2	30.2	19.8	84	86	48	44	72	85	69.8	....
6..	65.09	65.62	66.05	62.91	64.07	64.08	64.77	17.2	16.3	29.3	33	28.4	22.3	24.4	33.1	16	92	100	57	49	65	87	75	....
7..	64.33	64.97	65.60	62.86	63.21	63.86	64.14	18.3	15.7	29.8	31.7	26.9	21.7	24	32.1	15.7	91	99	58	59	80	85	78.7	....
8..	63.89	64.58	65.27	62.28	62.16	62.94	63.52	18.9	18.5	29.1	30	26.8	22.4	24.3	32	18.4	89	91	58	61	75	88	77	....
9..	62.91	63.74	64.23	61.26	61.80	63.53	62.91	18.4	15.4	28.5	32.4	29.3	20.7	24.1	33.1	15.3	92	100	66	52	69	79	76.3	....
10..	63.02	63.64	64.80	61.47	61.50	62.69	62.85	18.4	16.7	29.5	31	27.4	23.1	24.4	31.2	16.5	88	97	58	53	66	74	72.7	....
11..	63	63.23	64.76	62.09	61.55	62.87	62.92	19.2	17.6	27.7	30.6	28	24.1	24.5	31	17.2	88	96	64	55	69	71	73.8	....
12..	62.42	62.29	62.90	60.91	61.10	62.21	61.97	22.5	19.9	29.1	30.9	26.5	22.2	25.2	31.2	19.5	78	95	61	56	71	82	73.8	....
13..	62.25	62.17	63.68	61.70	61.43	63	62.37	20.5	19.2	28.3	30.6	26.9	22.1	24.6	31.2	19	91	98	56	58	76	81	76.7	....
14..	62.76	62.56	63.03	60.48	60.28	61.68	61.80	21	18.8	30.2	33.4	29.8	24.5	26.3	34.1	18.6	89	94	58	48	58	79	71	....
15..	61.93	62.03	63.18	61.03	61.52	63.03	62.12	20.9	19	29.1	31	27.8	24.7	25.4	32.4	19	90	92	60	55	71	78	74.3	....
16..	62.91	62.97	62.48	61.05	61.20	62.01	62.10	21.7	19.9	28.2	29.4	25.1	22.2	24.4	32.7	19.9	85	95	63	57	72	88	76.7	....
17..	62	62.01	62.29	59.93	59.71	60.67	61.10	20.2	17.4	26.5	28.3	25.3	20.1	23	28.9	17	92	98	63	55	72	86	77.7	....
18..	60.26	60.14	60.91	58.87	59.49	60.34	60	16.1	14	26.3	32.2	27.5	20.4	22.8	32.2	14	95	100	61	39	60	87	73.7	....
19..	60.15	60.88	61.68	59.63	59.43	60.91	60.45	16.7	16.1	28.6	31	27.9	21.4	23.6	31.1	15.9	97	99	65	61	75	77	79	....
20..	60.45	61.04	61.01	58.44	58.36	59.50	59.80	19.3	17.7	29.6	32.1	28.3	24.2	25.2	32.1	17.7	87	97	56	49	68	82	73.2	....
21..	59.38	59.80	61.20	59.13	59.10	59.87	59.75	23.2	21.9	28	30.6	26.8	22.2	25.4	30.9	21.2	84	92	68	57	69	81	75.2	....
22..	59.83	59.79	60.24	58.10	58.02	59.58	59.26	19.9	18.3	28	31.1	29.9	22.1	24.9	32.2	18.3	86	97	65	54	59	87	74.7	....
23..	59.47	59.99	61.03	58.99	59.55	60.76	59.96	18.5	16.6	28.7	32.2	27.5	22.3	24.3	32.4	16.2	93	98	59	49	73	85	76.2	....
24..	60.81	60.98	61.55	59.64	60.15	61.04	60.70	19	17.3	28.8	30.1	25.9	23.3	24.1	32.1	17	92	99	53	52	71	84	75.2	....
25..	60.48	60.38	61.50	58.81	58.89	60.02	60.01	20.1	20.8	29.9	33.1	27.3	20.1	25.2	33.2	18.8	91	83	51	41	62	88	69.3	....
26..	60.01	60.49	61.34	59.62	60.54	61.10	60.52	16.3	15.1	29.9	31.4	27.1	20.9	23.4	32.1	15.1	93	99	58	55	79	79	77.2	....
27..	60.93	61.44	62.59	60.58	60.20	61.07	61.14	19.8	18.1	29.7	31.1	26.3	22.6	24.6	32	18	83	93	58	54	73	82	73.8	....
28..	61.23	61.32	62.15	60.18	60.09	61.01	61	19.7	18.8	29.3	31.5	27.4	22.2	24.8	31.9	18.8	86	92	57	54	74	76	73.2	....
Mean	61.97	62.24	63.04	60.77	61.05	62.08	61.86	19.6	18.1	28.7	31.1	27.2	22.3	24.5	31.8	17.8	88.4	95.1	60.1	53.1	70	81.9	74.8	....
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	.....	....	.....	....	....	.....	0

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	Calm	W	Calm	Calm	8.2	24.1	36.4	9.9	78.6	0	....	S.-Cu.	1	Ci.-S.	Cu.
2..	Calm	Calm	WNW	W	NW	Calm	12.7	26.4	39.6	3.4	82.1	0	....	S.-Cu.	2	Ci.-S.	Cu.
3..	Calm	NNW	NE	W	W	Calm	5.6	22	41.3	8.2	77.1	0	....	S.-Cu.	1	Ci.-S.	Cu.
4..	N	NNE	NNE	N	N	NNE	14.3	69.8	103	51.5	238.6	4	Ci.-S.	S.-Cu.	0	Ci.-S.	Cu.
5..	NNE	NNE	NNE	E	NE	NE	41.6	43.7	109.1	22.5	216.9	0	....	Cu.	0	Ci.-S.	Cu.
6..	NE	Calm	E	NNW	E	Calm	12.7	40.7	47.8	24.6	125.8	0	....	Cu.	0	....	Cu.
7..	Calm	Calm	NE	NW	W	Calm	9.5	22.7	49.4	7.8	89.4	0	....	Cu.	0	Ci.-S.	Cu.
8..	NE	SW	SE	NNW	NNW	NNE	17.5	34.6	60.7	20.7	133.5	0	....	Cu.	0	Ci.-S.	Cu.
9..	NNE	Calm	Calm	NW	Calm	Calm	11.9	24.1	40.2	13.2	89.4	0	....	S.-Cu.	0	Ci.-S.	Cu.
10..	E	SW	NNW	N	NNE	Calm	14.7	38.1	75.1	21.4	149.3	0	....	Cu.	0	....	Cu.
11..	Calm	Calm	NNW	NNW	Calm	Calm	5.9	23	44	12.4	85.3	0	....	Cu.	3	Ci.-S.	Cu.
12..	Calm	Calm	NW	NW	Calm	Calm	15.5	28	46.7	3.7	93.9	0	....	Cu.	1	Ci.-S.	Cu.
13..	Calm	Calm	Calm	NNW	NW	NNE	14	27.4	51.5	17.7	110.6	0	....	S.-Cu.	2	Ci.-S.	Cu.
14..	NNE	Calm	N	NNW	NNE	Calm	13.4	26.9	53.9	20.1	114.3	2	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
15..	Calm	Calm	SW	W	W	Calm	2.6	24.1	47.7	11	85.4	2	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
16..	SW	SW	NE	NNW	NNW	NNE	6.4	29	96.8	40	172.2	1	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
17..	NNE	Calm	NNW	NNW	NNW	NNE	10.8	33.5	71.3	18	133.6	0	....	S.-Cu.	1	Ci.-S.	Cu.
18..	Calm	Calm	Calm	NW	NW	Calm	5.8	19.9	37	8.9	71.6	0	....	Cu.	0	Ci.-S.	Cu.
19..	NNE	SSE	Calm	NW	Calm	Calm	19.8	26	38.1	8.5	92.4	0	....	S.-Cu.	1	Ci.-S.	Cu.
20..	NE	ENE	NNE	NW	NNW	Calm	17.5	35.4	40.4	4.3	97.6	0	....	S.-Cu.	0	....	Cu.
21..	NE	Calm	W	W	Calm	Calm	19.8	43.5	51.8	3.8	118.9	2	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu.-N. ssw
22..	Calm	NW	NW	NNW	NNW	NNE	7	26.6	50.9	20.9	105.4	0	....	Cu.	0	Ci.-S.	Cu.
23..	Calm	Calm	Calm	WNW	NNW	NNW	20.4	32.5	48.3	8.2	109.4	0	....	Cu.	0	....	Cu.
24..	Calm	Calm	NNW	NNW	NNW	NNW	13.2	28.5	82.4	32.7	156.8	0	....	Cu.	0	....	Cu.
25..	Calm	N	N	NNE	NNE	Calm	16.6	51.8	44.1	15.5	128	0	....	Cu.	0	....	Cu.
26..	Calm	E	SE	NNW	NNW	Calm	4.8	25.7	40.2	3.2	73.9	0	....	S.-Cu.	3	Ci.-S.	Cu.
27..	E	E	N	NW	NNW	Calm	21.2	30.3	49.4	5.3	106.2	0	....	S.-Cu.	3	Ci.-S.	Cu.
28..	Calm	NNE	NNW	W	NNW	Calm	8.5	31.4	44.1	2.9	86.9	2	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
Mean	......	......	......	......	......	......	13.3	31.8	55	15	115.1	0.5	....	....	1.2	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	3,223.1	....	....	....	....	....	....

LAOAG

[φ=18° 12′ N; λ=120° 35′ E; barometer above sea, 10 meters; gravity correction not applied, −1.58 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.89	60.88	61.53	59.16	59.49	60.36	60.38	19.1	16.6	29.2	32.3	28.4	23.2	24.8	33.1	16.4	89	98	55	48	66	81	72.8	....
2..	60.35	61.17	62.06	59.86	59.04	60.37	60.48	19.3	16.8	28.9	31.8	28.9	23.4	24.8	32.4	16.7	87	96	62	52	66	85	74.7	....
3..	61.01	61.07	62.88	61.37	61.34	62.01	61.61	18.9	16	30.6	31.5	28	22.6	24.6	32.1	15.9	95	100	54	52	70	81	75.3	....
4..	61.92	62.03	62.92	61.13	61.52	62.02	61.92	20.2	18.8	29.7	32.1	27.3	23.8	25.3	32.8	18.5	91	92	55	52	75	78	73.8	....
5..	61.76	61.57	62.47	61.09	61	61.89	61.63	21.2	20.3	29.1	31.5	27.1	25.3	25.8	31.6	20.3	80	86	61	53	75	77	72	....
6..	61.32	61.18	62.28	60.54	60.96	61.21	61.25	21.7	19	28.2	30.9	27.3	25	25.4	31.7	19	85	94	66	55	68	71	73.2	....
7..	60.93	61.02	62.13	60.64	60.67	61.45	61.14	21.9	21.1	29.6	31.5	27.8	24.4	26	32.2	20.6	87	90	62	57	73	77	74.3	....
8..	60.97	61.06	61.49	60.34	60.39	61.08	60.89	21.7	19.3	29.5	31.4	28.3	23.8	25.7	31.6	19.3	85	91	56	56	68	78	72.3	....
9..	61.02	61.03	62.18	60.16	60	60.95	60.89	20.9	20.3	28.7	32.7	30.3	24.8	26.3	33.4	20.2	92	95	63	52	59	71	72	....
10..	60.91	61.44	62.25	59.78	59.79	61.01	60.86	21.8	19.9	31	33.1	28.9	25.6	26.7	33.2	19.8	84	93	63	54	74	82	75	....
11..	60.96	61.33	62.02	59.36	59.26	61.11	60.67	22.6	22.9	31.8	33.3	30	25.7	27.7	34.6	22.4	91	89	52	48	60	72	68.7	....
12..	61	61.41	63.39	60.91	60.57	62	61.55	22.9	22.3	30	32.7	28.5	25.4	27	33.2	22	89	90	59	52	73	79	73.7	....
13..	61.87	61.95	62.43	59.52	59.17	60.39	60.89	22.2	21	31.9	34.8	31.5	24.9	27.7	35.1	21	84	93	53	43	57	75	67.5	....
14..	60.32	60.63	62.24	60.14	60.15	61.33	60.80	22.4	21.2	32.2	32.7	29.6	25.3	27.2	33.1	21.2	82	89	52	52	63	81	69.8	....
15..	61.37	61.97	63.30	60.92	60.26	61.56	61.56	22.8	21.7	30	31.7	27.6	24.8	26.4	32.3	21.2	91	96	59	58	71	77	75.3	....
16..	61.26	61.22	62.33	59.37	59.08	60.26	60.59	22.2	18	29.9	35.1	33.2	25.9	27.4	35.1	18	88	96	55	42	50	69	66.7	....
17..	60.16	60.76	62.28	60.56	60.55	61.76	61.01	20.9	19	31.7	32.8	29.1	24.2	26.3	33.2	18.8	81	90	54	48	58	82	68.8	....
18..	61.40	61.93	62.93	60.64	61.15	62.44	61.75	22.1	20.3	32.2	32.5	28.3	24.8	26.7	33.2	20.3	83	93	45	46	55	74	66	....
19..	62.09	62.46	63.90	61.58	60.99	62.10	62.19	22.2	20	30.3	33.1	28	23.7	26.2	33.2	20	81	94	55	49	71	87	72.8	....
20..	61.96	62.01	62.47	59.92	59.93	60.70	61.16	19.3	18	31.7	34.5	29.8	25.3	26.4	35.8	17.9	91	98	45	37	58	80	68.2	....
21..	60.42	60.73	61.38	59.52	59.58	60.26	60.32	22.7	22.7	30.8	31.7	29.1	25.1	27	34.1	22	90	89	59	54	70	83	74.2	....
22..	60.13	60.35	60.38	59.26	59.22	60.36	59.95	22.8	22.3	31.9	33	28.9	26.3	27.5	33.2	22	84	87	47	46	63	77	67.3	....
23..	60.07	60.25	60.72	59	59.07	60	59.85	23.4	22.9	31.8	33.9	29.3	27	28	34.8	22.6	90	92	54	49	69	74	71.3	....
24..	59.84	60.27	61.14	59.06	59.15	59.99	59.91	25.8	23.3	30.4	32.9	29.4	27.5	28.2	34.1	23.1	78	90	63	52	67	70	70	....
25..	59.40	59.53	60.59	59.22	59.30	61.06	59.85	24.7	22.8	32.6	34.3	32.2	26	28.8	34.5	22.7	83	93	54	48	54	69	66.8	....
26..	60.91	60.85	61.07	58.24	58.07	59.92	59.84	22	20.9	34.7	37.9	30.2	24.8	28.4	38.3	20.2	86	92	32	28	55	75	61.3	....
27..	59.49	60.01	60.99	58.90	58.93	59.99	59.72	21.1	19	31.1	33	28.3	25.2	26.3	33	19	81	94	58	53	68	76	71.7	....
28..	59.99	60.41	61.23	59.02	58.98	60.09	59.95	22.6	22.4	31.2	32.1	29.1	25.9	27.2	32.7	22	89	89	52	50	61	64	67.5	....
29..	59.89	59.91	60.68	58.88	58.41	60.34	59.68	22.8	20.1	31.1	33.9	31.9	26.4	27.7	34	20.1	76	91	59	48	55	82	68.5	....
30..	59.30	59.28	60.13	57.51	58.33	59.91	59.08	24.5	24	30.1	33	29.9	24.8	27.7	34	23.5	87	93	62	52	59	82	72.5	....
31..	59.42	59.33	59.48	57.57	57.49	59.15	58.74	23.1	22.5	30.3	32.5	27.3	24.8	26.8	33	22.5	90	94	61	53	75	80	75.5	....
Mean	60.72	60.94	61.85	59.78	59.74	60.87	60.65	22	20.5	30.7	32.9	29.1	25	26.7	33.5	20.3	86.1	92.5	55.7	49.6	64.7	77.1	71	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	Calm	W	NW	NNW	5.8	19.9	45.1	5.8	76.6	0	....	S.-Cu.	2	Ci.-S.	Cu.
2..	Calm	NW	NW	NW	Calm	Calm	9.9	27.9	47.2	13.9	98.9	0	....	Cu.	0	Ci.-S.	Cu.
3..	Calm	Calm	N	NW	NW	Calm	13.4	25.4	44.9	11.5	95.2	0	....	Cu.	3	Ci.-S.	Cu.
4..	NE	E	SE	W	NW	Calm	20.7	29.2	46.2	3.4	99.5	0	....	Cu.	0	Ci.-S.	Cu.
5..	E	Calm	SE	W	WNW	Calm	12.7	39.1	48.3	9.1	109.2	0	....	S.-Cu.	1	Ci.-S.	Cu.
6..	Calm	Calm	W	NNW	NNW	Calm	4.6	21.7	49.1	12.7	88.1	0	....	S.-Cu.	1	Ci.-S.	Cu.
7..	Calm	NE	SW	W	NNW	Calm	13.1	35.2	50.4	9.2	107.9	2	Ci.-S.	Cu.	2	Ci.-S.	Cu.
8..	Calm	Calm	SW	W	W	Calm	8	35.6	44.8	6.7	95.1	0	....	S.-Cu.	3	Ci.-S.	Cu.
9..	Calm	SW	NNW	NW	NW	Calm	16.4	28.7	34.6	9.2	88.9	0	....	S.-Cu.	3	Ci.-S.	Cu.
10..	E	Calm	NNW	W	SW	SW	16.1	24.7	48.8	19.6	109.2	0	....	Cu.	2	Ci.-S.	Cu.
11..	Calm	Calm	WNW	NW	SW	Calm	8	23.9	48.9	23.9	104.7	4	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
12..	SW	Calm	W	W	NW	Calm	6.4	30.9	54.1	4.6	96	0	....	S.-Cu.	1	Ci.-S.	Cu.
13..	Calm	Calm	Calm	NW	Calm	Calm	10.3	21.1	47.2	9.2	87.8	0	....	S.-Cu.	0	Ci.-S.	Cu.
14..	Calm	E	SW	SW	SW	Calm	11.3	30.6	65.2	8.7	115.8	0	....	S.-Cu.	1	Ci.-S.	Cu.
15..	Calm	SW	NW	NNW	NW	NNW	10	33.6	67.6	33.2	144.4	5	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
16..	Calm	Calm	Calm	W	Calm	NNE	14.7	23	39.1	15.1	91.9	0	....	S.-Cu.	0	Ci.-S.	Cu.
17..	Calm	Calm	W	WSW	W	Calm	8	32.7	61.4	6.2	108.3	0	....	Cu.	0	Ci.-S.	Cu.
18..	NE	E	SSW	NW	NW	Calm	23.9	35.6	58.7	9.2	127.4	1	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
19..	SW	SW	SW	WNW	NNW	Calm	17.7	29.3	69.4	11.1	127.5	0	....	S.-Cu.	1	Ci.-S.	Cu.
20..	Calm	SW	Calm	W	W	Calm	10.7	17.7	55.3	4.3	88	0	....	Cu.	0	Ci.-S.	Cu.
21..	Calm	Calm	WSW	SW	SW	Calm	11.9	33	54.5	8.2	107.6	5	Ci.-S.	S.-Cu.	5	Ci.-S.	Cu.-N.
22..	Calm	Calm	W	WNW	NNW	Calm	5.3	34	48	12.9	100.2	6	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
23..	Calm	NNE	SW	W	NW	Calm	14	30.8	51.3	8.9	105	6	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
24..	Calm	Calm	NW	NNW	NNW	NNW	10.7	20.9	54.7	18.8	105.1	4	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
25..	Calm	NNE	NW	NW	NW	NNE	6.4	28.2	50.9	11.9	97.4	5	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.
26..	NNE	NNE	ESE	NW	SW	Calm	19	49.9	49.3	17.5	135.7	3	Ci.-S.	S.-Cu.	0	Ci.-S.	Cu.
27..	Calm	SW	WSW	W	NNW	Calm	10.5	33.6	54.1	5.9	104.1	3	....	S.-Cu.	0	....	Cu.
28..	NNE	Calm	NNW	NW	NNW	NNE	8.5	31.4	71.1	19.1	130.1	1	Ci.-S.	S.-Cu.	0	....	Cu.
29..	Calm	Calm	Calm	W	W	NNW	8.2	28.7	44	16.6	97.5	2	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
30..	NNE	Calm	Calm	NNW	N	Calm	15.6	17.2	49.9	23.6	106.3	6	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
31..	NNE	NNE	NE	N	N	NNE	19.8	35.4	64.7	17.4	137.3	8	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
Mean	......	......	......	......	......	......	12	29.3	52.2	12.5	106	2	....	....	1.5	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	3,286.7	....	....	....	....	....	....

LAOAG

[ϕ=18° 12′ N; λ=120° 35′ E; barometer above sea, 10 meters; gravity correction not applied, —1.58 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.09	59.43	60.18	58.32	58.28	60.18	59.25	21.7	20	30.9	32.6	30.7	25.3	26.9	33.9	20	85	92	59	54	61	80	71.8	....
2..	59.94	60.22	61.04	59.27	58.56	60.14	59.86	23.2	23.3	33.1	34.1	32.8	26.6	28.8	34.8	22	93	90	47	43	47	72	65.3	....
3..	59.96	60.02	60.38	58.16	58.37	59.96	59.48	23.6	22	30.7	33.1	28.8	25.1	27.2	33.2	21.8	83	91	57	49	67	69	69.3	....
4..	59.50	59.45	59.88	57.87	57.92	59.25	58.98	22.2	21.2	32.1	33.9	31.6	27.3	28	34.8	21	82	89	56	54	65	75	70.2	....
5..	59.40	59.93	60.28	59.11	59.77	60.93	59.90	24.1	23.1	31.8	33	29.8	26	28	33.1	23.1	87	92	58	53	67	81	73	....
6..	60.36	60.57	60.71	58.97	58.99	60.09	59.95	23.1	21.4	31.8	34	31.9	27	28.2	34.4	21.3	85	95	54	49	56	70	68.2	....
7..	59.52	60.09	60.58	58.61	58.67	59.53	59.50	24.3	22.9	31.8	33.1	29.9	26.2	28	33.2	22.6	87	92	59	54	68	75	72.5	....
8..	58.95	59.45	59.96	57.83	58	59.44	58.94	24.1	22.5	31.4	33.6	29.1	25.9	27.8	33.6	22.5	79	90	59	53	71	77	71.5	....
9..	58.63	58.93	59.13	57.40	57.57	59.02	58.45	23.2	21.8	32.5	33.2	29.5	25.7	27.6	33.8	21.8	88	93	56	55	70	83	74.2	....
10..	58.06	58.20	58.57	56.98	57.67	59.15	58.10	23.1	22	33.2	34.1	28.8	26	27.9	34.1	22	89	93	54	52	67	76	71.8	....
11..	58.56	58.90	58.06	55.78	56.23	58	57.59	23.7	22.3	33	36.4	31.6	27.2	29	36.9	22.3	84	92	53	41	59	73	67	....
12..	58.07	58.31	59.03	56.74	56.84	58.85	57.97	25.1	23	32.2	34.1	30.2	27.4	28.7	34.6	23	76	86	58	50	68	77	69.2	....
13..	58.26	58.56	59.21	57.01	57.27	58.99	58.22	24.7	23.3	32.1	34	30.8	26.9	28.6	34.6	23.3	81	89	58	52	60	79	69.8	....
14..	58.88	58.92	59.64	57.79	57.76	59.35	58.72	25	23.8	33	34	29.4	26.9	28.7	35	23.3	83	90	51	48	64	70	67.7	....
15..	58.84	59.01	59.74	58.34	59.07	60.17	59.20	25.2	23	32.8	33.9	30.2	26.9	28.7	34.4	23	77	90	54	52	64	77	69	....
16..	60.01	60.03	60.38	58.62	58	59.07	59.35	23.9	22.3	33.1	34.4	30.7	26	28.4	35.3	22.3	84	92	53	50	61	76	69.3	....
17..	58.96	58.88	59.83	57.97	58.18	59.04	58.81	23.2	21.9	33.9	33.2	30	26.6	28.1	34.9	21.9	84	92	52	54	70	72	70.7	....
18..	58.47	58.81	59.30	57.11	57.41	59.71	58.47	24.1	21.8	33.4	35	30.1	26.7	28.5	35.1	21.8	84	93	52	49	71	73	70.3	....
19..	59.81	59.98	60.11	58.12	58.67	60.43	59.52	24.5	21.9	34.7	37.4	30.1	27.7	29.4	38.1	21.9	79	94	42	39	62	73	64.8	....
20..	60.30	60.27	60.78	59.07	59.16	60.10	59.95	26.4	23.5	34.4	35.5	33.1	27.4	30	36.6	23.5	78	94	49	51	56	68	66	....
21..	60.30	60.91	60.40	58.96	59.18	60.22	60	24.3	22.3	33	34	30.2	27.2	28.5	34.8	22.3	81	92	56	50	68	80	71.2	....
22..	60.02	60.15	60.54	58.55	58.51	60.24	59.67	24.1	22.7	33	33.5	29.9	26.9	28.4	34.8	22.6	89	94	56	56	71	73	73.2	....
23..	60.17	60.90	61.23	59.18	59.17	60.80	60.24	24.8	22.7	31.9	34	30.5	25.2	28.2	34.2	22.7	83	89	61	52	65	71	70.2	....
24..	60.44	61.01	60.77	59.23	59.23	60.40	60.18	22.7	20.6	33.6	33.5	29.5	26.8	27.8	35	20.6	82	92	49	55	75	72	70.8	....
25..	60.04	60.73	60.66	58.39	58.89	60.17	59.81	25	22.9	32.1	34.5	30.1	27.3	28.6	34.5	22.9	80	90	61	51	64	76	70.3	....
26..	59.91	59.99	60.18	58.41	58.50	59.96	59.49	25.1	23.7	32.8	32.7	29.2	26.1	28.3	34.2	23.7	89	94	57	59	71	82	75.3	....
27..	59.07	59.21	59.07	56.89	56.47	58.26	58.16	24.1	21.5	32.7	34.5	31	26.9	28.4	35	21.5	84	95	55	52	67	80	72.2	....
28..	58	58.16	58.47	56.89	56.98	58.82	57.89	25.3	25	33.5	34	30.5	28.3	29.4	35.9	25	88	88	54	53	68	74	70.8	....
29..	58.07	58.67	58.72	57.31	57.01	59.02	58.13	25.8	24.7	33.4	34.9	30.2	28.1	29.5	35.2	24.6	85	91	55	48	70	72	70.2	....
30..	58.59	59.02	59.12	57.69	56.76	58.04	58.20	27.2	25.9	34.9	35	31.5	28.1	30.4	35.8	25.9	78	86	52	52	66	70	67.3	....
Mean	59.27	59.56	59.86	58.02	58.10	59.58	59.07	24.2	22.6	32.8	34.1	30.4	26.7	28.5	34.8	22.5	83.6	91.3	54.6	51	65.3	74.9	70.1	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	0

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	NW	NW	NW	NNE	5.9	32.7	47.8	26.2	112.6	4	Ci.-S.	S.-Cu.	0	Ci.-S.	Cu.
2..	Calm	Calm	Calm	NNW	NNW	NNE	10.5	29.8	50.9	19.8	111	3	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
3..	Calm	Calm	NW	NW	NNW	Calm	7	25.1	51.7	7.4	91.2	2	Ci.-S.	Cu.	2	Ci.-S.	Cu.
4..	Calm	Calm	NNW	NW	NW	Calm	9.4	20.1	50.4	5.3	85.2	1	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
5..	Calm	NNE	NNW	WNW	NNW	Calm	11.8	42.1	54.7	5.8	114.4	3	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu.
6..	Calm	Calm	NNE	NNW	NNW	NNW	4.5	28.4	47.3	30.4	110.6	2	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
7..	Calm	Calm	NNW	WNW	NW	Calm	6.4	31.7	55	5.9	99	1	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
8..	NNE	Calm	NW	W	NW	Calm	17.5	36.5	48.1	5.3	107.4	3	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu.
9..	Calm	NNE	NW	WNW	NW	Calm	3.5	27.6	46.2	9.5	86.8	2	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu.
10..	Calm	Calm	NW	NW	NNW	Calm	6.1	36.4	57.6	14	114.1	2	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
11..	Calm	NNE	NNW	NW	SE	Calm	5.6	24.1	48.3	32.2	110.2	2	Ci.-S.	S.-Cu.	0	....	Cu.
12..	Calm	Calm	NW	W	NW	Calm	13.9	29.6	46.2	9.5	99.2	3	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu.
13..	Calm	Calm	WNW	W	NW	Calm	14.3	34.6	48.3	11.9	109.1	2	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu.
14..	E	E	NW	NW	NW	Calm	24.7	33.3	52.6	16.4	127	0	Ci.-S.	Cu.	2	Ci.-S.	Cu.
15..	NE	E	NNW	NNW	NNW	NNW	12.4	28.8	50.4	11.3	102.9	1	Ci.-S.	Cu.	1	Ci.-S.	Cu.
16..	Calm	Calm	NNW	N	NNW	Calm	4	27.7	61.2	13.9	106.8	0	Ci.-S.	Cu.	2	Ci.-S.	Cu.
17..	Calm	Calm	W	NW	NNW	NNW	11.5	29.5	78.1	20.1	139.2	1	Ci.-S.	Cu.	1	Ci.-S.	Cu.
18..	NNE	Calm	SW	WNW	NW	Calm	2.7	32.7	46.5	6.6	88.5	0	Ci.-S.	Cu.	0	Ci.-S.	Cu.
19..	Calm	Calm	NNW	NNW	NNW	Calm	7.4	26.4	62.6	28.8	125.2	0	....	Cu.	0	....	Cu.
20..	Calm	NNE	W	W	W	Calm	14.8	24.1	47.8	16.6	103.3	0	....	Cu.	0	Ci.-S.	Cu.
21..	Calm	SW	SW	SW	W	Calm	4.6	50.1	68.7	8.9	132.3	0	....	Cu.	0	Ci.-S.	Cu.
22..	SW	SW	W	WNW	W	Calm	24.7	40.8	52.6	10.7	128.8	0	....	Cu.	0	Ci.-S.	Cu.
23..	SW	Calm	NW	NNW	NNW	NNW	8	38.1	69.2	15	130.3	0	Ci.-S.	S.-Cu.	0	....	Cu.
24..	NNE	NNE	W	WNW	WNW	Calm	5.8	38.4	48.1	18.2	110.5	0	Ci.-S.	S.-Cu.	0	Ci.-S.	Cu.
25..	Calm	SW	W	WNW	W	Calm	7.7	40.5	54.2	13.1	115.5	0	Ci.-S.	Cu.	2	Ci.-S.	Cu.
26..	Calm	NNE	WSW	NNW	NNW	NNW	13.5	33.5	58.4	18	123.4	1	Ci.-S.	Cu.	2	Ci.-S.	Cu.
27..	Calm	NNE	NW	NNW	NNW	NNW	4.3	27.1	39.2	10.5	81.1	0	Ci.-S.	Cu.	1	Ci.-S.	Cu.
28..	Calm	Calm	SW	W	WNW	Calm	5.6	39.6	48.3	11.5	105	0	Ci.-S.	Cu.	2	Ci.-S.	Cu.
29..	Calm	Calm	WNW	NW	NNW	NNW	1.8	27.9	61.7	16.9	108.3	0	Ci.-S.	Cu.	1	Ci.-S.	Cu.
30..	Calm	Calm	NW	NNW	NNW	NNW	2.4	29.3	45.6	11.1	88.4	3	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu.
Mean	......	......	......	......	......	......	9.1	32.2	53.3	14.4	108.9	1.2	....	....	1.2	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	3,267.3	....	....	....	....	....	....

LAOAG

[ϕ=18° 12′ N; λ=120° 35′ E; barometer above sea, 10 meters; gravity correction not applied, −1.58 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10.p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58	58.34	58.48	57.40	57.97	59.04	58.20	25.3	23.1	33.9	34.9	30.8	28.3	29.4	34.9	23.1	81	92	55	50	69	68	69.2	....
2..	59.41	59.77	59.26	57.49	57.91	60.29	59.02	25.5	23.8	33.8	35.8	31.5	28	29.7	36.6	23.8	80	88	56	46	59	77	67.7	....
3..	59.95	60	59.71	57.23	57.47	59.95	59.05	25	24.9	34.7	36	30.5	26.9	29.7	37.5	24.7	95	94	48	44	63	69	68.8	....
4..	59.58	60.03	59.95	58.05	58.11	59.49	59.20	24.5	23	34.1	35.8	31.8	27.6	29.5	36.1	23	79	90	48	49	64	66	66	....
5..	59.73	60.17	60.67	59.45	60.03	60.80	60.14	24.9	22.9	34.5	34	29.9	26.3	28.8	35.1	22.9	79	90	50	56	72	76	70.5	....
6..	60	60.31	60.45	59.09	59	60	59.81	24.5	23	34.7	35.1	28	25.5	28.5	35.5	23	87	91	52	52	76	89	74.5	7.9
7..	59.78	59.93	59.63	58	58.53	59.14	59.17	24.2	23.1	33.8	33.3	27.8	25.6	28	34.1	23.1	90	92	50	59	73	82	74.3	....
8..	58.93	58.95	59.25	57.95	58.32	59.55	58.82	23.7	22.3	33	33.6	29.4	26.7	28.1	34.2	22.3	89	94	56	58	64	77	73	....
9..	58.97	59.17	59.22	57.76	57.68	59.03	58.64	23.8	22.9	34.2	34.3	30.2	27.9	28.9	35.2	22.8	88	89	53	51	70	84	72.5	....
10..	58.55	58.67	59.05	56.97	57.52	58.39	58.19	25.2	23.8	32.7	34.5	26.5	25.2	28	34.9	23.8	92	93	59	55	79	79	76.2	....
11..	58.02	58.23	58.04	56.61	56.77	58.89	57.76	23.8	23.1	30.2	34.8	30.9	24.2	27.8	35.1	23	85	89	74	54	66	86	75.7	3
12..	56.80	57.07	58.15	56.27	56.56	58.36	57.20	23.3	22.7	34	34.5	30.2	26.3	28.5	35.2	22.6	89	92	53	55	70	77	72.7	....
13..	57.11	57.55	57.43	56.64	57.41	58.87	57.50	25.7	26.1	33.8	34.4	30.7	24.5	29.2	37	24.1	83	79	51	50	67	92	70.3	1.5
14..	57.84	57.34	57.89	56.49	56.53	57.68	57.30	24.3	24	32.4	33.9	30.3	27.1	28.7	35.7	23.3	92	91	52	55	71	78	73.2	....
15..	57.02	56.70	57.51	56.55	56.23	57.59	56.93	25.2	25.2	30.8	35	30.5	27.7	29.1	36.7	24.5	85	84	63	52	71	87	73.7	....
16..	56.61	56.20	56.99	55.86	56.46	57.63	56.62	25.2	25	31.4	34	26.1	24.7	27.7	36.7	23.8	86	83	60	54	84	90	76.2	.2
17..	56.31	56.04	56.86	55.78	56.49	58.04	56.59	24.5	24.3	31.5	31	27	22.7	26.8	35.2	22.2	86	85	62	69	84	90	79.3	9.8
18..	55.63	55.77	56.18	54.35	55.87	57.13	55.82	23.5	24.2	32.5	33	25.9	23.7	27.1	35.7	23	90	86	60	58	88	98	80	26.4
19..	55.87	55.83	57.38	55.81	56.68	57.31	56.48	23.8	24.1	24.8	26.4	25.3	24.5	24.8	27	23.1	96	95	98	91	88	92	93.3	18.3
20..	56.48	56.46	57.26	55.50	57.03	58.12	56.81	24.4	23.6	32.5	31.3	27.6	26.2	27.6	34.2	23.3	91	93	56	64	84	93	80.2	6.3
21..	58.06	58.13	58.62	57.71	58.19	59.37	58.35	25.5	25	32.3	32.5	30	28.2	28.9	34.1	24.5	88	90	62	68	75	81	77.3	....
22..	58.86	58.45	58.93	57.11	57.98	58.95	58.38	26.8	26.5	32.6	33.5	30	27	29.4	34.9	26	83	83	61	61	76	86	75	.3
23..	58.59	58.72	59.23	56.91	57.77	58.90	58.35	26.1	26	31.5	31.5	29.6	28	28.8	34.2	25.2	91	90	68	69	77	86	80.2	1.3
24..	57.72	58.08	58.73	57.87	57.76	58.60	58.13	26.1	25.1	30.2	29	30.5	27	28	34.4	24.5	96	92	70	86	74	92	85	.3
25..	58	58.62	59.13	57.21	57.93	58.93	58.30	25.7	25.3	28.5	32.4	29	27.4	28	33.2	25	94	91	76	65	80	89	82.5	1
26..	57.49	57.33	57.96	56.42	56.63	57.79	57.27	26.2	26	31.2	32.5	28.5	27.2	28.6	34.4	25.3	94	92	71	66	75	84	80.3	10.9
27..	56.87	56.60	56.61	54.92	55.44	56.45	56.15	26.2	25	32.3	32.5	26.5	25.6	28	34.2	24.5	89	96	64	62	89	89	81.5	.3
28..	55.69	55.56	56.70	55.60	54.65	57.10	55.88	25.8	25	28.5	30.4	25.7	25.2	26.8	32.7	24.6	87	92	81	77	93	94	87.3	14.3
29..	56.32	56.59	57.57	55.86	56.52	57.74	56.77	24.3	24.2	30.4	32.5	29.5	25.7	27.8	34.1	23.5	97	91	70	63	75	84	80	....
30..	57.56	57.07	57.27	56.66	56.98	58.95	57.42	25.2	25	32	33	27.4	26	28.1	34.5	24.5	87	88	63	61	86	92	79.5	....
31..	58.58	58.35	58.37	56.54	57.16	58.43	57.90	25.7	25.2	30.5	34.6	28.7	26	28.4	35.2	24.7	90	90	72	59	77	90	79.7	....
Mean	57.88	57.94	58.34	56.84	57.28	58.60	57.81	25	24.3	32	33.2	28.9	26.2	28.3	34.8	23.8	88.4	89.8	61.7	60	75.5	84.4	76.6	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	101.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	W	W	WSW	Calm	8.7	36.8	61	8.7	115.2	0	Ci.-S.	Cu.	0	Ci.-S.	Cu,
2..	Calm	Calm	NW	NNW	NNW	N	5.1	32	84.5	45.1	166.7	0	Ci.-S.	Cu.	1	Ci.-S.	Cu.
3..	N	NNE	N	NNE	NNE	NNE	26.2	37.5	67.3	33.3	164.3	0	Ci.-S.	Cu.	0	Ci.-S.	Cu.
4..	Calm	Calm	NNE	NNE	NE	Calm	6.7	27.9	35.1	24.4	94.1	0	Ci.-S.	Cu.	3	Ci.-S.	Cu.
5..	Calm	Calm	NNW	NW	SE	SE	7.5	29.5	47.3	26	110.3	0	Ci.-S.	Cu.	2	Ci.-S.	Cu.
6..	Calm	Calm	W	NW	E	Calm	18.7	33.5	41.5	11.5	105.2	0	Ci.-S.	Cu.	3	Ci.-S.	Cu.-N.
7..	E	E	W	SW	ESE	Calm	24.3	38.6	55.3	12.9	131.1	0	....	Cu.	3	Ci.-S.	Cu.-N.
8..	E	E	SW	NW	ESE	Calm	16.9	32.4	42	8.3	99.6	0	....	Cu.	2	Ci.-S.	Cu.-N.
9..	Calm	E	W	WSW	NW	Calm	13.9	40.4	53.9	8.7	116.9	1	Ci.-S.	Cu.	2	Ci.-S.	Cu.
10..	E	ESE	W	W	ESE	ESE	14.7	37	48	28	127.7	0	Ci.-S.	Cu.	2	Ci.-S.	Cu.-N.
11..	E	ESE	SW	SW	W	ESE	24.1	35.1	44.5	31.2	134.9	3	Ci.-S.	Cu.	7	Ci.-S.	Cu.-N. SW
12..	SE	ESE	W	WNW	WNW	SE	26.2	33.3	44.3	19.1	122.9	3	Ci.-S.	Cu.	5	Ci.-S.	Cu.-N.
13..	Calm	Calm	Calm	WNW	NW	E	19.1	26	52.1	32.5	129.7	8	....	S.-Cu.	4	Ci.	Cu.-N.
14..	E	Calm	Calm	WNW	Calm	SE	21.5	27.4	40.2	21.7	110.8	7	A.-Cu.	Cu.	3	Ci.	Cu.-N.
15..	Calm	SE	SW	WNW	Calm	Calm	27.1	40.8	50.9	10.8	129.6	1	Ci.	Cu.	6	Ci.	Cu.-N. SW
16..	Calm	Calm	WNW	W	ESE	E	16.1	33	44	36.2	129.3	8	Ci.-S.	S.-Cu.	3	Ci.	Cu.-N. SW
17..	ESE	ESE	SSW	WSW	Calm	SE	32.7	43.3	49.9	32.5	158.4	1	Ci.	S.-Cu.	10	....	Cu.-N. wsw
18..	SE	Calm	SSW	WSW	SW	SW	28.7	38.4	51.5	36.4	155	6	A.-Cu. sw	S.-Cu.	8	Ci.-S.	Cu.-N. SW
19..	Calm	Calm	Calm	SE	SSW	Calm	22.5	11.3	44.1	25.1	103	10	....	S.-Cu. ssw	10	....	N.
20..	Calm	SSW	S	SW	WSW	Calm	16.1	40.2	59.8	31.4	147.5	4	Ci.	S.-Cu.	9	A.-Cu.	Cu.-N. ssw
21..	SSW	SSE	Calm	WSW	SSW	Calm	26.4	34.4	52.1	13.2	126.1	3	Ci.-Cu.	S.-Cu.	1	....	Cu.-N.
22..	Calm	Calm	Calm	WSW	Calm	Calm	17.9	27.7	35.6	6.2	87.4	2	Ci.	S.-Cu.	7	Ci.-S.	Cu.-N. SW
23..	Calm	Calm	Calm	WSW	NW	Calm	18.2	26.8	34	11.1	90.1	8	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
24..	Calm	ESE	Calm	Calm	Calm	Calm	15	28.5	30.6	12.3	86.4	8	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N.
25..	Calm	Calm	SSE	WSW	Calm	Calm	22.3	28	40.2	9.4	99.9	10	....	Fr.-N. ssw	3	Ci.	Cu.-N.
26..	Calm	Calm	W	WNW	ESE	Calm	15	29	38.3	21.9	104.2	3	Ci.-S. ssw	Cu.	6	Ci.	Cu.-N. SW
27..	Calm	ESE	Calm	WNW	SSE	Calm	20.1	30.6	37.5	22.5	110.7	2	Ci.	Cu.-N.	4	Ci.-S.	Cu.-N. wsw
28..	Calm	Calm	Calm	WNW	Calm	Calm	18.8	12.7	36.5	17.5	85.5	8	....	Cu.-N.	10	Ci.-S.	Cu.-N.
29..	Calm	Calm	Calm	Calm	NNW	Calm	15.5	20.7	33	23.5	92.7	7	Ci.	S.-Cu.	9	....	Fr.-Cu. sw
30..	SSW	Calm	Calm	WSW	ESE	SE	18.7	22	38.8	31.4	110.9	10	....	S.-Cu.	4	Ci.	Cu.-N.
31..	Calm	Calm	Calm	WNW	SE	SE	17.9	22.8	32.5	34	107.2	10	A.-Cu.	S.-Cu.	6	Ci.-Cu. ssw	Cu.
Mean	......	......	......	......	......	......	18.8	30.9	46	22.2	117.8	4	....	....	4.8	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	3,653.3	....	....	....	....	....	....

LAOAG

[ϕ=18° 12′ N; λ=120° 35′ E; barometer above sea, 10 meters; gravity correction not applied, —1.58 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.48	58.71	59.08	57.40	57.35	59	58.34	25.3	25	32.5	33.5	30.7	27	29	34.4	24.5	93	92	60	58	70	88	76.8	......
2..	57.80	57.50	57.26	56.61	56.99	58.57	57.46	26.4	25.9	32.5	31	27	26.1	28.2	34.6	25	90	93	67	72	88	87	82.8	7.4
3..	57.68	57.27	56.91	55.67	56.20	58.23	56.99	25.7	25.5	32.5	30.5	28.6	25.4	28	33.8	24.3	88	88	60	72	77	91	79.3	8.7
4..	57.09	56.89	56.76	56.06	56.48	57.69	56.83	25.1	25	31.7	32.2	26.1	26	27.7	34	24.1	91	92	65	65	91	92	82.7	15.4
5..	57.52	57.60	57.78	56.92	56.98	58.77	57.60	25.4	25.3	32.5	33.4	30.4	25.6	28.8	34	24.7	94	93	60	65	76	93	80.2	.6
6..	58.60	58.31	58.38	56.99	57.60	59.47	58.22	25.7	25.5	32.7	33	30.6	27.7	29.2	35.6	24.6	93	94	60	61	72	87	77.8	......
7..	58.67	58.98	58.87	57.31	57.58	58.69	58.35	25.7	26	32.8	33.2	29.5	27.5	29.1	34.7	24.5	98	92	68	66	75	85	80.7	......
8..	58.05	58.15	58.20	56.44	56.58	57.90	57.55	26.6	26.5	32.4	33.5	27	25.9	28.6	35.2	25.4	90	88	69	64	90	95	82.7	12.6
9..	56.12	56.06	55.98	54.14	54.08	54.80	55.20	25.5	25.5	32.5	33.4	30.5	27.8	29.2	34.3	25	96	93	69	62	70	87	79.5	......
10..	53.42	52.88	52.63	50.85	50.27	52.67	52.12	27	26.7	34	35.7	33.8	29.3	31.1	37.5	25.8	90	91	60	53	59	80	72.2	......
11..	51.99	51.49	51.77	51.84	51.80	54.10	52.16	27.3	27	32	27.2	26.8	26	27.7	33.8	25.1	91	89	72	90	90	96	88	18.4
12..	53.19	52.07	53.08	52.36	52.78	54.88	53.06	25.1	24.8	32.1	32.5	30	28.2	28.8	33.8	24.3	98	97	60	60	68	80	77.2	15.4
13..	54.46	53.09	54.53	53.57	54.14	55.58	54.23	25.9	25.1	31.7	32	29.8	27	28.6	33.4	24.5	90	97	66	66	73	86	79.7	27.4
14..	54.57	53.72	54.71	54.11	54.48	56.43	54.67	26.6	25.8	31.8	30.9	28.9	26.9	28.5	33.7	25.5	89	92	66	66	74	85	78.7	.3
15..	55.96	55.62	55.84	55.48	54.88	56.14	55.65	26.4	26	29	31.6	28.5	26.3	28	33.7	25.3	86	88	76	63	73	84	78.3	1.4
16..	56.08	56.26	57.32	56.18	55.69	57.69	56.54	25.3	25	30	30.8	28.8	26.5	27.7	32.8	24.5	88	88	71	64	65	73	74.8	......
17..	56.72	56.46	57.95	56.16	55.85	56.80	56.66	25.6	25	28.8	31.2	29	26	27.6	32.5	24.2	78	81	83	62	71	82	76.2	1.3
18..	56.39	56.31	56.86	55.52	55.93	56.55	56.26	24.8	24.6	32.5	32.3	28	26.2	28.1	33.8	24.1	86	87	65	62	81	90	78.5	......
19..	56.46	56.43	56.27	55.11	55.92	56.68	56.14	25.3	25	32.8	32.5	29.9	25.1	28.4	33.9	24.3	90	90	63	63	75	98	79.8	2
20..	56.36	56.27	57.10	55.43	56.71	57.77	56.61	24.7	24.5	30.1	33	25.6	25.2	27.2	33.7	23.6	97	96	72	70	94	92	86.8	65
21..	57.07	56.84	57.34	56.10	56.95	59.05	57.22	24.8	24.6	30.6	31.8	28.5	25.6	27.6	33.4	23.8	92	94	71	67	81	95	83.3	12.5
22..	57.70	57.57	57.51	56.71	57.14	58.03	57.44	25.2	24.8	31.9	32	28.3	27	28.2	33.2	23.9	92	93	64	65	82	92	81.3	......
23..	56.91	57.06	57.67	56.71	57.14	57.60	57.18	25.4	24.8	32.2	32.5	29	27	28.5	33.5	24.2	90	89	62	64	74	85	77.3	3.3
24..	57.31	57.28	57.34	56.36	56.12	57.40	56.97	25.9	25.5	31.7	32.3	29	27.3	28.6	33.4	25	91	92	63	59	75	86	77.7	......
25..	56.56	56.33	56.53	54.75	55.22	56.47	55.98	25.7	25.3	32	32.2	28.5	25.7	28.2	33.8	24.5	93	93	66	66	83	91	82[illegible]	5.1
26..	54.92	54.75	55.39	53.52	53.67	55.16	54.57	24.8	24.5	30.5	30	24.7	24.1	26.4	33.2	23.5	95	92	68	78	94	96	87.2	41.2
27..	54.91	54.69	55.28	54.09	54.45	57.19	55.10	24.3	24.6	31.6	31.7	27.4	24	27.3	33.4	23.5	95	95	65	68	91	98	85.3	57.9
28..	57.41	57.47	57.83	57.38	57.96	59.84	57.98	23.8	24.2	31.5	32.5	28.5	27.5	28	34.3	23.8	97	95	66	63	78	84	80.5	......
29..	59.80	60.03	59.24	57.85	57.89	59.15	58.99	26.6	24	31.5	32	29.6	27.5	28.5	33.7	24	82	91	65	64	74	87	77.2	......
30..	58.33	57.82	57.48	55.82	54.93	55.55	56.66	25.7	24.7	31.2	31.8	29	26.3	28.1	33.3	24.6	92	94	68	70	75	90	81.5	......
Mean	56.55	56.33	56.63	55.45	55.66	57.13	56.29	25.6	25.2	31.7	32.1	28.7	26.5	28.3	33.9	24.5	91.2	91.6	66.3	65.6	78	88.5	80.2	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	295.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SSW	SE	WNW	WNW	NNW	E	25.5	40	35.2	25.4	126.1	1	Ci.	Cu.	5	Ci.	Cu.-N.
2..	Calm	Calm	WSW	WNW	Calm	Calm	14	31.9	37	16.9	99.8	1	Ci.	Cu.	9	Ci.-S.	Cu.-N. W
3..	Calm	Calm	SE	NW	Calm	E	17.2	26.8	32.8	26.9	103.7	0	....	Cu.	8	Ci.-S.	Cu.-N.
4..	Calm	Calm	Calm	WNW	Calm	Calm	20.6	24.3	39.1	21.1	105.1	1	Ci.	Cu.	2	....	Cu.-N. WSW
5..	Calm	Calm	Calm	W	NW	Calm	22.2	23.8	39.1	27.6	112.7	1	Ci.	Cu.	3	....	Fr.-Cu. WSW
6..	Calm	Calm	Calm	WNW	NNW	Calm	11	19.8	34.4	19	84.2	1	Ci.	Cu.	1	Ci.	Cu.
7..	Calm	Calm	Calm	NNW	Calm	Calm	15.9	25.7	32.5	12.6	86.7	1	Ci.	Cu.	8	....	Cu.-N.
8..	E	Calm	SW	W	Calm	Calm	24.6	32	38.8	11.6	107	3	....	Cu. SSW	3	....	Cu.-N.
9..	Calm	SE	WNW	WNW	SSW	Calm	15.3	21.4	33	11.6	81.3	3	A.-Cu. S	Cu.	3	Ci.	Cu.-N.
10..	Calm	Calm	Calm	NE	ESE	SSW	6.6	20.4	38.3	27.1	92.4	2	....	Fr.-Cu.	1	Ci.	Cu.
11..	Calm	Calm	Calm	Calm	Calm	Calm	6.6	19	25.9	19.9	71.4	10	Ci.-S.	S.-Cu.	10	....	Cu.-N.
12..	Calm	Calm	SSW	SSW	SSW	SSW	15.3	56.3	85.6	41.6	198.8	2	Ci.-S.	Cu.	1	....	Cu. SSW
13..	SSW	Calm	SSW	SSW	SSW	SbyW	30.6	45.3	75.8	41.3	193	3	Ci.	S.-Cu.	3	Ci.-S.	Fr.-Cu. SSW
14..	Calm	Calm	SSW	SW	SSW	SSW	26.8	39.2	73.2	35.9	175.1	2	Ci.	S.-Cu.	8	....	Cu.-N. SW
15..	SSW	Calm	SSW	SSW	SSW	Calm	21.4	43.8	81.3	26	172.5	9	Ci.-S.	S.-Cu. SW	6	Ci.	Cu.-N. SSW
16..	Calm	Calm	SSW	SSW	SSW	Calm	17.2	58.2	85	33.8	194.2	3	A.-Cu.	Cu.	8	Ci.-S.	Cu.-N. SW
17..	Calm	S	SSW	SW	SSW	Calm	26.2	60.9	54.5	22	163.6	1	Ci.	Cu.	3	Ci.	Cu. SW
18..	S	Calm	SW	SW	SSW	Calm	21.5	41.3	68.1	19.1	150	1	Ci.	Cu.	7	....	Fr.-Cu. SW
19..	Calm	S	W	W	Calm	Calm	18.2	32	32.4	31.1	113.7	3	Ci.	Cu.	9	Ci.-S.	Cu.-N. SW
20..	Calm	Calm	SSW	W	Calm	Calm	19.9	27.1	37.6	25.1	109.7	4	Ci.	Cu.	5	....	Cu.-N. SW
21..	SE	Calm	SSW	SSW	Calm	ESE	12.6	34.6	43.3	27.6	118.1	1	Ci.	Cu.	3	Ci.	Cu.-N. SW
22..	Calm	S	SW	W	SSW	Calm	24.4	39.4	60	20.9	144.7	1	Ci.	Cu.	1	Ci.	Cu.
23..	SSE	SSE	SSW	SW	SSW	SSW	25.9	41.6	60.2	24.6	152.3	0	....	Cu.	2	Ci.	Cu.-N.
24..	Calm	Calm	SSW	SW	SW	Calm	17.9	41.8	50.5	20.6	130.8	3	....	S.-Cu. SSW	3	Ci.	Cu.-N.
25..	Calm	Calm	SSW	W	Calm	SSW	14	32.2	48.1	23.1	117.4	3	Ci.	Cu.	3	....	Cu.-N. SW
26..	SSW	Calm	Calm	W	SE	Calm	16.7	17.2	32.4	24.9	91.2	4	Ci.	Cu.	10	....	Cu.-N. SW
27..	Calm	Calm	SSE	W	W	Calm	11.3	19.9	43.3	30.6	105.1	3	Ci.	S.-Cu.	2	....	Cu. SW
28..	Calm	Calm	Calm	W	SE	Calm	21.2	19.5	38.1	19.6	98.4	2	Ci.	Cu.	1	Ci.	Cu.-N.
29..	SE	Calm	Calm	WNW	Calm	Calm	26.6	19.9	33.5	6.9	86.9	3	....	S.-Cu.	1	....	Cu.
30..	Calm	Calm	Calm	WNW	NNW	Calm	13.2	24.6	40.2	12.1	90.1	1	Ci.	S.-Cu.	8	Ci.	Cu.-N.
Mean	......	......	......	......	......	......	18.7	32.7	47.6	23.6	122.5	2.4	....	....	4.6	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	3,676	....	....	....	....	....	....

LAOAG

[ϕ=18° 12′ N; λ=120° 35′ E; barometer above sea, 10 meters; gravity correction not applied, —1.58 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	55.53	54.99	54.28	53.22	52.94	53.72	54.11	24.2	23.2	30.8	31.7	29	26.7	27.6	33.4	23	93	92	65	65	74	88	79.5	13
2..	52.18	50.90	51.45	51.62	52.67	54.77	52.26	26.8	27.5	23.8	23	22.8	22.7	24.4	28.1	22.1	89	85	98	97	96	95	93.3	391.7
3..	54.65	54.91	57.27	56.95	56.43	57.70	56.32	22.4	22.2	23.1	23	23.8	22.8	22.9	25	22	93	93	92	91	90	96	92.5	21.6
4..	57.79	57.90	58.64	58.64	58.71	59.28	58.49	23.2	23	30	31.3	24.8	24.2	26.1	32	22.3	91	92	65	66	89	93	82.7	1.8
5..	59.14	59.27	59.72	58.36	58.28	59.10	58.98	23.8	23.2	30.5	31.4	28.8	25.5	27.2	33.3	23	92	92	65	70	82	93	82.3	......
6..	58.98	59.02	59.03	58.26	58.90	60.26	59.08	24	23.8	32	32.3	29.1	25.6	27.8	33.8	23	91	85	58	61	70	87	75.3	......
7..	59.66	59.77	60.63	59.59	59.50	60.40	59.92	24.4	23.5	28.8	31.1	28.6	25.4	27	32.3	22.6	86	90	68	68	82	88	80.3	......
8..	59.82	59.84	60.72	59.58	59.40	60.36	59.95	24	23.5	30.5	32.1	29.1	25.5	27.4	33.5	22.8	95	96	68	66	74	89	81.3	......
9..	59.59	59.44	59.92	58.27	58.47	59.81	59.25	24.4	23.5	31.6	32.5	29	25.3	27.7	33.4	22.7	91	91	63	66	74	94	79.8	......
10..	57.78	57.88	58.84	57.42	57.18	58.16	57.88	24.2	23	31.3	31.9	29	26.5	27.6	33.9	22.3	93	91	68	65	74	88	79.8	......
11..	57.97	58.03	58.63	57.48	57.77	59.47	58.22	25.2	24	31.5	32.2	29.1	26.3	28	33.7	23.5	89	83	63	62	73	90	76.7	......
12..	59.16	59.22	59.83	58.70	58.79	59.93	59.27	24.7	24	31.8	32.5	29.5	26	28.1	33.8	23.5	94	91	58	62	72	85	77	......
13..	59.06	59.38	59.47	58.33	58.09	59.26	58.93	24.7	23.5	31.5	32	29.8	26.3	28	33.4	23.2	89	94	63	64	73	93	79.3	......
14..	59	58.82	59.18	57.76	57.24	58.42	58.40	25.9	24.5	32	32.2	29.5	26.5	28.4	34.3	23.5	88	96	64	66	71	85	78.3	......
15..	57.98	57.81	57.70	57.14	56.94	58.06	57.60	24.4	24.3	31.3	30.8	29.6	25.6	27.7	33.8	24	92	93	61	70	73	91	80	......
16..	57.79	57.67	58.12	56.83	56.85	57.63	57.48	24.5	24	32	32.3	29.1	25	27.8	33.9	23.2	94	87	60	63	73	90	77.8	......
17..	57.59	58.22	58.58	57.41	57.25	58.44	57.92	23.1	23.2	32	32.4	29.1	25.5	27.6	33.9	22.3	95	92	63	58	70	88	77.7	......
18..	57.94	57.82	58.30	56.97	56.51	57.82	57.56	23.1	22.7	31.1	32.8	30.2	25.8	27.6	34.5	22.4	93	94	62	61	74	93	79.5	.5
19..	57.13	57.07	57.25	56.40	55.59	56.44	56.65	24.5	23.3	31.7	32.9	29.5	26.6	28.1	34.2	22.7	94	93	66	60	73	90	79.3	......
20..	56.30	56.29	56.47	55.86	56.07	56.11	56.18	25.1	24.7	32.5	33	29.3	26.6	28.5	35.2	24.1	92	93	56	61	67	83	75.3	......
21..	56.03	56.26	56.43	54.79	55.09	55.60	55.70	24.3	25	30.7	31	30.4	26.7	28	34.4	24.2	93	92	72	75	64	85	80.2	......
22..	55.51	55.60	56.23	54.98	54.62	56.76	55.62	25.2	25	31.5	31.2	27	26.3	27.7	34.5	24.5	95	96	66	71	90	93	85.2	7.2
23..	56.10	55.82	56.37	55.08	54.84	55.59	55.63	24.9	24.4	30.2	31.8	28	25.8	27.5	32.7	24	96	97	70	67	86	95	85.2	2.3
24..	55.27	54.93	55.01	53.24	52.99	54.91	54.39	25.2	25	29	32	26.8	25.8	27.3	33.8	24.5	97	96	82	69	93	95	88.7	1.8
25..	54.69	54.67	54.94	54.16	55.05	55.49	54.83	25.6	25.5	30.6	27.5	24.4	24.1	26.3	33.5	23.8	94	94	72	91	95	94	90	80.6
26..	54.85	54.28	54.35	53.76	52.88	54.64	54.13	24	24	30	29.5	28.3	24.4	26.7	32.2	23.8	94	94	76	80	83	97	87.3	7.4
27..	53.15	52.52	52.79	50.77	52.10	52.96	52.38	24.8	24.6	31.2	32.5	26	25.3	27.4	33.5	24	95	95	74	68	92	95	86.5	7.7
28..	52.64	52.39	53.56	52.15	52.82	53.13	52.78	25	24.7	28.2	29.5	24.8	24.7	26.2	30.8	24.1	97	97	81	78	90	91	89	1.6
29..	52.50	52.49	53.21	52.34	51.99	52.84	52.56	24.5	24.3	25	25.8	26	25.3	25.2	26.6	23.9	92	93	92	91	88	93	91.5	30.1
30..	52.02	51.91	51.93	50.90	51.27	51.88	51.65	24.6	24	26.5	28	25.5	24.7	25.6	29.2	23.9	96	96	92	86	94	94	93	62
31..	51.45	50.74	50.86	50.05	50.07	51.40	50.76	23.9	24.5	26.2	26.5	26	26.3	25.6	29.7	23.5	98	96	94	88	89	86	91.8	18.6
Mean	56.43	56.32	56.76	55.71	55.72	56.79	56.29	24.5	24.1	30	30.6	27.8	25.5	27.1	32.6	23.3	92.9	92.5	70.9	71.2	80.3	90.9	83.1	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	647.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	Calm	NW	NWbyN	Calm	9.4	18.8	45.6	22.3	96.1	9	Ci.	S.-Cu.	8	Ci.	Cu.-N. NW
2..	NW	WNW	SW	SSW	SSW	SSW	41.2	55	78.4	73.4	248	10	....	Cu.-N. WNW	10	....	N. SSW
3..	SSW	SE	S	Calm	S	Calm	43.8	47.2	38.9	15.1	145	10	....	Fr.-N. SSW	10	....	N. S
4..	S	Calm	Calm	SW	SE	Calm	22.8	32.4	53.7	13.9	122.8	9	A.-Cu. S	S.-Cu.	9	Ci.-S. S	Cu.-N. SSW
5..	Calm	Calm	SSW	Calm	Calm	Calm	24.4	28.8	22.3	3.2	78.7	10	Ci.-S.	S.-Cu.	9	A.-Cu. S	S.-Cu.
6..	SE	Calm	Calm	WNW	SE	S	18.3	23.1	32	25.7	99.1	2	Ci.	Cu.	4	Ci.	Cu.-N.
7..	SE	SE	SE	Calm	Calm	Calm	27.9	25.2	24.6	12.4	90.1	10	A.-Cu.	S.-Cu. SSW	10	Ci.-S.	Cu. NNE
8..	Calm	Calm	Calm	WNW	Calm	Calm	11.6	21.9	27.1	11.8	72.4	1	Ci.	Cu.	4	Ci.	Cu.-N.
9..	Calm	Calm	Calm	NW	Calm	Calm	7.4	26.4	31.1	5.1	70	0	Ci.	Cu.	1	....	Cu.
10..	Calm	Calm	Calm	SW	SW	Calm	17.2	27.9	42.1	17.7	104.9	0	....	Cu.	2	Ci.	Cu. SW
11..	Calm	SE	SSW	SSW	SW	Calm	31.4	37.3	45.6	10.8	125.1	1	....	Cu.	1	....	Cu.
12..	Calm	SE	Calm	WSW	Calm	SE	23.8	20.3	34.4	14	92.5	0	....	Cu.	2	Ci.	Cu.-N.
13..	Calm	Calm	Calm	NNW	Calm	Calm	13.2	24.9	40.5	8.2	86.8	1	Ci.	Cu.	2	Ci.	Cu.
14..	Calm	Calm	Calm	NW	NNW	Calm	4.5	18	37.8	9.9	70.2	0	....	Cu.	1	....	Cu.
15..	NNW	Calm	Calm	NW	Calm	Calm	8.3	19.9	31.4	5	64.6	3	Ci.-S. N	Cu.	5	Ci.-S.	Cu.-N.
16..	Calm	Calm	Calm	WNW	NNW	Calm	23.6	26.2	41.2	6.2	97.2	0	....	Cu.	1	....	Cu.
17..	Calm	Calm	Calm	WNW	Calm	Calm	9.4	20.3	36	10.5	76.2	1	....	Cu.	4	Ci.	Cu.
18..	Calm	Calm	Calm	NNW	Calm	Calm	10.3	18.8	38.4	10.5	78	2	Ci.	S.-Cu.	3	Ci.	Cu. NW
19..	Calm	Calm	Calm	WNW	ENE	Calm	7.2	25.2?	39.1?	14.3	85.8	1	Ci.	Cu.	1	....	Cu.
20..	Calm	Calm	Calm	N	Calm	Calm	10	16.9	25.4	5.9	58.2	5	A.-Cu.	Cu.	10	Ci.-S.	Cu.-N. NNE
21..	Calm	Calm	Calm	Calm	Calm	Calm	9.1	11.3	20.9	10.7	52	8	A.-Cu. N	Cu.	10	Ci.-S.	Cu.-N.
22..	Calm	Calm	NW	WNW	Calm	Calm	7	22.8	34.4	23.5	87.7	3	Ci.	Cu.	10	....	Cu.-N. NW
23..	Calm	Calm	Calm	NW	Calm	Calm	6.9	17.4	32	13.2	69.5	10	Ci.-S.	S.-Cu.	9	Ci.	Cu.-N. NW
24..	Calm	Calm	Calm	NNW	Calm	Calm	7.4	15.3	31.1	10.5	64.3	9	....	Cu.-N.	9	Ci.-S.	Cu.-N. NW
25..	Calm	Calm	Calm	Calm	SE	Calm	3.7	20.1	30.3	12.6	66.7	10	A.-Cu.	S.-Cu.	10	....	N. NW
26..	Calm	Calm	Calm	SW	Calm	Calm	9.5	15.5	22.3	13.9	61.2	10	Ci.-S.	S.-Cu.	9	....	Cu.-N. SW
27..	Calm	Calm	Calm	NW	SE	Calm	11	20.9	36.2	15.5	83.6	5	A.-Cu.	S.-Cu.	3	Ci. NW	Cu.-N. NW
28..	Calm	Calm	SW	SW	ESE	Calm	8.2	26.6	31.9	19.6	86.3	10	A.-Cu.	S.-Cu. SSW	10	Ci.-S.	Cu.-N. SSW
29..	Calm	Calm	S	S	Calm	Calm	13.4	22	27.9	16.6	79.9	10	....	S.-Cu.	10	....	Cu.-N. S
30..	S	SE	S	SSW	SSW	SSW	17.4	38.1	47.8	46.2	149.5	10	....	N. S	10	....	Cu.-N. SSW
31..	Calm	SW	SSW	SSW	SSW	SSW	32.2	58.9	80	.63	234.1	10	....	Fr.-N. SSW	10	....	Fr.-N. SSW
Mean	......	......	......	......	......	......	15.9	25.9	37.4	17.5	96.7	5.5	....	....	6.4	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	2,996.5	....	....	....	....	....	....

LAOAG

[φ=18° 12′ N; λ=120° 35′ E; barometer above sea, 10 meters; gravity correction not applied, —1.58 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	50.63	50.72	51.72	51.20	51.47	52.80	51.42	25	26.6	27.8	30.9	27.5	27	27.5	31.4	24.8	96	83	84	72	84	86	84.2	8.5
2..	52.66	52.96	54.12	53.25	53	54.50	53.42	26.1	25.8	27	29.5	28.5	26.8	27.3	31.5	25	90	92	91	81	87	92	88.8	6.2
3..	54.06	54.12	54.62	53.22	53.45	54.97	54.07	25.7	25	30.2	30.4	28.5	26.9	27.8	32.2	24	94	92	74	72	81	89	83.7	10.4
4..	54.21	54.06	54.45	53.41	53.71	54.97	54.14	26.1	25.5	29.8	28.6	26	25.5	26.9	31.5	25	93	96	74	82	89	92	87.7	.7
5..	54.52	54.88	55.21	53.45	53.22	53.66	54.16	24.8	25	27.5	29	27.5	25.3	26.5	29.7	24.3	93	93	81	78	82	91	86.3	32
6..	52.88	52.76	53.01	52.41	50.86	50.93	52.14	24.2	24	24.5	24.5	24.5	24.4	24.4	25.4	23.3	97	96	96	94	96	97	96	210.3
7..	49.25	47.67	47.37	47.32	46.64	48.41	47.78	24.1	24.5	24	24.2	23.5	24.8	24.2	25.7	22.8	97	96	97	96	98	94	96.3	338.4
8..	47.66	49.07	50.15	49.34	49.74	50.83	49.46	25	24.6	24.8	26	25.2	25.6	25.2	26.7	24	95	96	93	97	95	93	94.8	83
9..	50.03	50.35	50.82	50.84	51.17	52.05	50.88	25.9	25	28	25.8	24.8	24.5	25.7	29.5	24.4	89	96	91	93	97	98	94	27.5
10..	51.94	52.16	52.67	51.75	51.15	52.81	52.08	24.7	24.5	27.4	28.5	26.7	25.6	26.2	30.4	24.2	97	96	81	82	86	89	88.5	3.6
11..	52.04	51.49	51.88	50.56	50.78	51.60	51.39	24.5	24.6	27.5	29.5	26	25.2	26.2	30.2	24	95	95	84	77	92	94	89.5	.5
12..	51.15	50.67	51.09	50.42	50.66	51.93	50.99	25.3	24.7	29.8	27.9	25.8	24.8	26.4	30.8	24.6	93	95	76	81	89	95	88.2	26.5
13..	51.51	51.29	52.96	52.28	52.25	53.81	52.35	24.6	25	26.3	30.7	28.7	25.6	26.8	31.4	24.5	95	96	94	76	85	93	89.8	59.4
14..	53.47	53.90	54.50	53.42	54.08	55.18	54.09	25.4	25	29.2	30	26.5	26	27	30.9	24.2	93	96	79	75	94	89	87.7	1.1
15..	54.24	54.19	54.96	54.35	55	56.09	54.80	25.9	25.4	27.6	27.5	24.1	24.4	25.8	28.4	24	88	93	82	79	95	88	87.5	36.7
16..	55.62	55.82	56.44	56.13	56.79	58.68	56.58	24.2	24	29.5	29.8	28	25.8	26.9	31.8	23.5	90	92	68	73	77	84	80.7	4.8
17..	57.51	57.17	57.52	56.26	56.76	58.69	57.32	24.5	24.5	30	31.4	28	24.4	27.1	32.2	23.9	92	87	65	70	81	97	82	18.4
18..	57.33	56.78	57.10	55.78	56.89	57.95	56.97	24.1	23.8	28	30.7	27	25.7	26.6	31.5	23.5	94	94	77	71	90	93	86.5	1.9
19..	57.26	57.21	57.52	56.87	57.31	58.21	57.40	24.8	23.5	30	30.7	26	24.4	26.6	31.8	23.3	95	93	70	69	88	94	84.8	35.5
20..	55.86	55	53.48	50.02	43.10	39.35	49.47	24.1	24	27.5	25.5	28	26.8	26	28.4	23.5	96	96	88	93	67	74	85.7	13.2
21..	43.31	49.58	53.13	53.59	53.93	56.22	51.63	26.5	25.7	26.2	28.8	27	26	26.7	29.5	25.5	75	78	76	73	84	90	79.3	.5
22..	56.41	56.72	57.04	56.32	57.23	58.76	57.08	25.3	24.5	31	32.5	27	26.3	27.8	33.3	24.2	90	94	64	63	88	86	80.8	.4
23..	57.83	57.56	58.27	56.68	56.72	57.62	57.45	25.3	24.5	30	30.5	28.5	26.6	27.6	32.5	24.1	92	94	71	68	78	89	82	.5
24..	56.77	55.87	56.04	53.97	53.92	54.27	55.14	25.4	24.6	28.6	30	26.5	26.6	27	31.3	24	89	95	80	74	92	87	86.2	1.3
25..	52.26	51.67	51.86	51.02	50.67	52.18	51.61	26.3	26	28.5	28.1	27.5	27	27.2	29.5	25.8	90	92	81	82	86	80	85.2	......
26..	52.57	53.29	54.67	54.38	54.89	56.35	54.36	26	26.3	29	29.5	28	25.8	27.4	30.5	25.4	81	78	69	66	75	88	76.2	......
27..	56.11	56.28	57.09	55.79	56.61	57.31	56.53	24.9	24.8	31.1	29.5	25.2	24.9	26.7	32.3	24.3	92	89	62	70	88	91	82	.6
28..	56.61	56.43	58.02	56.39	56.49	57.82	56.96	24.5	23.3	27.3	31.5	27	25.7	26.6	32.6	23	91	96	80	63	80	88	83	......
29..	56.83	56.63	56.80	55.38	55.09	55.47	56.03	24.3	23.2	29.9	30	28	25.7	26.8	31.8	23	94	94	69	68	78	88	81.8	1.8
30..	55.31	54.54	54.74	52.91	52.54	53.62	53.94	24.6	24.5	25.5	29.8	28	26.7	26.5	30.2	24	95	96	95	76	85	88	89.2	18.8
31..	52.46	52.53	53.58	52.70	52.70	53.83	52.97	26.4	26.5	27.2	29	27.2	24.5	26.8	30	24.2	89	85	84	78	87	94	86.2	6.7
Mean	53.56	53.66	54.28	53.27	53.19	54.22	53.70	25.1	24.8	28.1	29	26.8	25.7	26.6	30.5	24.1	91.9	92.4	79.9	77.2	86.3	90	86.3	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	949.2

Day.	Wind.											Clouds.				
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	SSW	SSW	SSW	SSW	SSW	50.5	75.8	96.4	70	292.7	8	Ci.-S. ssw	Cu.-N. ssw	4	Ci.-S. SSW	Cu.-N. ssw
2..	SSW	SSW	SSW	SSW	SSW	Calm	50.4	47.7	67.4	26.2	191.7	6	....	Cu.-N. ssw	4	Ci.-S. SSW	Cu.-N. ssw
3..	Calm	Calm	S	SSW	SSW	Calm	18.5	30.8	49.9	25.9	125.1	3	Ci. S	Cu.	9	Ci.-S.	Cu.-N. ssw
4..	Calm	Calm	Calm	WSW	Calm	Calm	7.5	23.5	37.2	19.8	88	10	Ci.-S.	Cu.-N.	10	....	Cu.-N. SW
5..	SSW	Calm	SE	WSW	SW	Calm	11.9	25.5	35.7	23.3	96.4	10	Ci.-S.	S.-Cu.	10	....	Cu.-N. SW
6..	SSE	SSE	SSW	WNW	SW	WSW	39.4	31.4	43.5	52.3	166.6	10	....	N.	10	....	N. WSW
7..	WSW	SW	S	SSW	SW	SW	105.4	144.8	148.9	125.8	524.9	10	....	N. SW	10	....	N. SSW
8..	SW	SW	SSW	SSW	Calm	Calm	59.8	78.4	44.3	29.8	212.3	10	....	N. SW	10	....	N. SSW
9..	SW	SSW	SSW	S	SSW	SSW	46.4	56.5	47.7	37	187.6	10	....	N. SSW	10	....	Fr.-N. ssw
10..	S	S	SSW	S	S	S	40.5	63.6	53.4	44.8	202.3	10	Ci.-S.	S.-Cu.	8	Ci.-S. S	Cu.-N. S
11..	S	Calm	SSW	SSW	SSW	Calm	34.9	44.1	48.9	24.4	152.3	10	A.-Cu.	S.-Cu. SW	10	....	Cu.-N. ssw
12..	Calm	Calm	SSW	SW	SSW	S	18	46.4	66	34.1	164.5	9	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. SW
13..	Calm	SSW	SSW	SSW	SSW	SSW	31.9	48.3	56	49.4	185.6	10	....	Fr.-N. SW	3	....	Cu.-N. SW
14..	SSW	Calm	S	S	S	S	42.6	47.7	83.1	44.9	218.3	10	....	Cu.-N. ssw	9	Ci.-S. S	Cu.-N. S
15..	S	Calm	S	SSW	SSW	S	31.7	55.8	78.9	46.2	212.6	4	Ci. S	S.-Cu. S	10	Ci.-S.	Cu.-N. S
16..	S	Calm	S	SSW	SSW	S	31.9	39.4	84	50.2	205.5	8	A.-Cu. S	S.-Cu. S	8	Ci. S	Cu.-N. ssw
17..	Calm	SE	S	SSW	SSW	SSW	20.1	33.2	61.2?	.....	....	8	A.-Cu. S	S.-Cu. S	4	A.-Cu. W	Cu.-N. ssw
18..	Calm	Calm	Calm	SSW	Calm	Calm	.....	28.7	46.7	13.1	....	10	....	Cu.-N. S	8	Ci.-S. SSW	Cu.-N. ssw
19..	Calm	Calm	Calm	NNW	SSW	Calm	15.6	22.5	39.4	22.8	100.3	3	Ci.	Cu.	4	Ci.	Cu.
20..	Calm	Calm	Calm	N	NNE	NNE	6.4	21.4	84.5?	162.5?	274.8	9	Ci.-S.	Cu.-N. NNE	10	....	Fr.-N. N
21..	ESE	SSE	S	Calm	Calm	Calm	96.6	59.8	24.3	17.1	197.8	10	....	Cu.-N. SSE	10	....	Cu.-N. SE
22..	Calm	Calm	ENE	W	SE	Calm	9.4	24.6	45.9	20.9	100.8	9	Ci.-S.	S.-Cu. S	2	Ci.	Cu.-N.
23..	Calm	Calm	Calm	WSW	WSW	Calm	11.8	24.3	48.3	13.9	98.3	9	....	S.-Cu. SSE	9	A.-Cu.	Cu.-N.
24..	Calm	Calm	Calm	SSW	WSW	SW	15.3	31.4	59.2	43.8	149.7	7	Ci.-S. WSW	Cu. WSW	4	....	Fr.-Cu. SSW
25..	SW	SW	SSW	SW	SSW	SSW	57.9	77.9	a40.4	62.5	238.7	10	....	Cu.-N. SW	10	....	Cu.-N. SW
26..	SSW	SSW	S	S	SSW	Calm	71.8	55.2	77.4	16.6	221	10	Ci.-S.	S.-Cu. ssw	9	Ci.-S. S	Cu. S
27..	Calm	SSW	S	SSW	ESE	Calm	26.6	53.4	59	11.1	150.1	4	Ci.-Cu. S	S.-Cu. S	9	Ci.-S.	Cu.-N. ssw
28..	Calm	Calm	SE	W	Calm	Calm	14.7	31.9	39.4?	.....	....	3	Ci. SSE	S.-Cu.	4	Ci.-S.	Cu.-N. WSW
29..	Calm	Calm	Calm	NNW	N	Calm	9.7	23.3	52.8	21.4	107.2	1	Ci.	Cu.	7	Ci.-S.	Cu.-N. NW
30..	Calm	Calm	Calm	NW	NW	NW	9.5	21.2	47.2	42.4	120.3	9	Ci.-S.	Cu.-N. WNW	6	Ci.-S. WNW	Cu.-N. WNW
31..	WNW	WNW	W	WSW	WSW	Calm	81.9	79.2	84.8	36.5	282.4	9	Ci.-S. WNW	Cu.-N. WNW	10	....	Cu.-N. SW
Mean	......	......	......	......	......	......	35.6	46.7	59.7	41	188.1	8	....	....	7.8	....	....

[a] 3 hours missing.

LAOAG

[ϕ=18° 12′ N; λ=120° 35′ E; barometer above sea, 10 meters; gravity correction not applied, −1.58 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
6..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
7..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
9..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
10..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
11..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
12..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
13..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
14..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
15..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
16..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
17..	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	[a]12.7?
18..	....	59.89	60.57	58.46	59.30	60.25	59.69	....	23.5	30.9	32.4	26.2	23.7	27.3	33.5	23	....	91	60	60	90	92	78.6	12.2
19..	59.81	59.87	60.25	57.58	57.94	59.84	59.22	21.7	22.4	30.2	32.7	28.3	25.1	26.7	33.5	21.5	95	93	62	59	67	81	76.2	1.3
20..	59.12	58.79	59.38	57.62	58.15	59.88	58.82	25.5	23.2	30.4	31.3	28.5	25.5	27.4	32.6	22.5	77	92	63	61	74	83	75	....
21..	58.44	58.33	59.24	57.68	58.60	60.11	58.73	24.2	22.3	31	31.2	28.6	25.2	27.1	33	22.3	83	93	58	62	76	90	77	....
22..	59.17	58.84	59.83	57.86	57.77	59.53	58.83	22.6	22.4	30.4	31.8	29	24.8	26.8	33	22.4	93	96	55	55	68	85	75.3	....
23..	59.13	58.47	59.45	57.92	58.14	59.42	58.76	22.8	21.9	31.7	32.2	30.2	25.6	27.4	33.2	21.9	88	92	56	51	64	88	73.2	....
24..	59.22	58.84	59.74	58.18	58.55	59.46	59	23.2	20.9	30.7	31.5	28.4	24.5	26.5	33.2	20.7	91	92	49	54	70	87	73.8	....
25..	59.22	59.49	60.53	58.82	58.55	59.80	59.40	23.1	22	31.4	31.5	28.4	25.2	26.9	33	21.7	93	95	62	63	70	82	77.5	....
26..	59.12	59.89	60.32	58.11	58.47	59.75	59.28	23.5	22.9	30.6	32.4	28.8	26.4	27.4	33.2	22.6	91	95	70	62	78	87	80.5	....
27..	58.97	59.27	59.98	57.85	57.90	59.02	58.83	24.2	23.6	31	32.6	28.4	26.4	27.7	33.2	23.3	91	95	64	66	78	89	80.5	....
28..	58.92	58.77	59.34	57.67	58.13	59.36	58.70	24.1	24	30.5	32	29	26	27.6	33	23.7	91	91	68	65	73	90	79.7	....
29..	59.02	59.36	59.74	57.80	58.44	59.05	58.90	25.2	24.3	31.5	31.1	28.4	25.6	27.7	32.4	24	90	96	59	66	75	90	79.3	....
30..	59.02	58.85	59.35	57.71	57.47	58.51	58.48	23.8	22.6	31.6	31.3	29	26	27.4	32.2	22.5	92	96	64	66	75	89	80.3	....
Mean	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	26.2

Day.	Wind.													Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		Mean force.	6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–12*	*0–10*			*0–10*		
1..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
2..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
3..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
4..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
5..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
6..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
7..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
8..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
9..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
10..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
11..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
12..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
13..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
14..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
15..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
16..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
17..	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....
18..	......	....	Calm	....	Calm	....	WSW	1	Calm	....	Calm	....	0.2	3	A.-Cu. E	Cu.-N.	3	Ci.	Cu.-N. E
19..	Calm	....	Calm	....	Calm	....	NNE	1	Calm	....	Calm	....	.2	3	Ci.-S.	Cu.-N. WSW	5	Ci.-S. N	Cu.-N. S
20..	Calm	....	Calm	....	Calm	....	NW	1	Calm	....	Calm	....	.2	8	....	Cu.-N. S	4	Ci.-S. N	Cu.-N. S
21..	Calm	....	Calm	....	Calm	....	WNW	2	Calm	....	Calm	....	.3	3	Ci.-S. N	Cu.-N. S	4	Ci. NNW	Cu.-N. WSW
22..	Calm	....	Calm	....	Calm	....	WSW	1	Calm	....	Calm	....	.2	7	Ci.-S. NNW	Fr.-Cu. WSW	7	Ci.-S. WSW	Cu.-N. S
23..	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	Calm	....	0	3	A.-Cu. S	Cu.-N.	2	Ci.-S. S	Cu.-N.
24..	Calm	....	Calm	....	Calm	....	WSW	1	Calm	....	Calm	....	.2	7	Ci. S	Cu.-N.	7	Ci.-S. S	Cu.-N. NNW
25..	Calm	....	Calm	....	Calm	....	WNW	1	Calm	....	Calm	....	.2	1	Ci.-S.	....	1	Ci. SW	Cu.-N.
26..	Calm	....	Calm	....	Calm	....	SW	1	Calm	....	Calm	....	.2	1	Ci.	Cu.-N.	2	....	Cu.-N.
27..	Calm	....	Calm	....	Calm	....	W	1	Calm	....	Calm	....	.2	2	Ci.-S. E	Cu.-N.	4	....	Cu.-N. E
28..	Calm	....	Calm	....	Calm	....	W	1	Calm	....	Calm	....	.2	3	Ci.-S. E	Cu.-N.	4	Ci.-S. NE	Cu.-N. WSW
29..	Calm	....	Calm	....	Calm	....	NNW	1	Calm	....	Calm	....	.2	1	Ci.-S.	Cu.-N.	4	....	Cu.-N. WNW
30..	Calm	....	Calm	....	Calm	....	W	1	Calm	....	Calm	....	.2	0	....	....	2	....	Cu.-N. SW
Mean	......	....	......	....	......	....	......	....	......	....	......	....	....	....	....	....	....	....	....

NOTE.—This station was temporarily closed from September 1 to 17.

[a] Amount of rainfall from the 1st to 17th.

LAOAG

[ϕ=18° 12′ N; λ=120° 35′ E; barometer above sea, 10 meters; gravity correction not applied, —1.58 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.42	58.31	58.65	57.41	57.57	58.64	58.17	23.1	21.4	31.8	32.8	28.5	26	27.3	33.7	21.3	90	96	59	58	78	88	78.2	......
2..	58.11	57.78	57.74	55.85	55.85	57.40	57.12	24.5	23.4	31.8	33.4	29.5	26	28.1	33.7	23.3	89	94	60	54	70	85	75.3	......
3..	57.49	57.23	58	55.74	55.97	57.50	56.99	23.6	22.9	31.5	32.7	28	25.5	27.4	34.1	22.7	91	92	59	59	70	76	74.5	......
4..	57.47	57.53	58.67	56.72	56.88	58.48	57.62	24.2	24	30.3	31	27.8	25.6	27.2	32	23.2	91	87	63	62	79	89	78.5	......
5..	57.99	57.39	58.10	55.98	56.23	57.46	57.19	24.1	23	30.5	31.5	28.2	26.4	27.3	32.5	23	87	96	65	66	83	89	81	......
6..	57.32	57.47	58.52	56.51	56.93	58.37	57.52	24.6	23.9	30.5	32	28.4	26	27.6	38.3	23.7	93	94	68	65	78	91	81.5	0.8
7..	58.27	58.38	59.43	57.45	58.34	59.03	58.48	24.8	24.2	32	33.6	28.4	25	28	34.3	23.8	89	92	57	57	83	80	76.3	......
8..	58.87?	57.73	58.38	55.69	55.80	56.76	57.20	23	21.9	30.5	34	28.5	27.3	27.5	34.6	21.6	91	95	59	48	71	71	72.5	7.6
9..	56.75	56.87	57.98	55.33	54.92	56.27	56.35	25.2	24.1	23.9	25.3	25	24.8	24.7	27.6	23.4	88	95	94	93	92	92	92.3	17.1
10..	55.43	55.47	56.20	54.13	54.88	56.62	55.46	24.6	24.5	29.7	32	28.5	26.4	27.6	32.7	24.3	93	92	75	69	81	94	84	......
11..	55.97	56.44	57.18	56.17	57.39	58.45	56.93	25.8	24.7	30.3	31	26.2	24.7	27.1	32.4	24.5	92	97	81	75	90	94	88.2	4.1
12..	58.68	58.61	60.20	58.43	59.19	61.48	59.43	24.8	24.7	30	30.4	28.1	24.6	27.1	31.5	24.4	95	96	75	72	84	93	85.8	3.6
13..	60.50	60.16	60.95	58.98	59.17	60.84	60.10	24	23.5	30	31.2	29	26.4	27.3	32	23.5	94	96	71	73	83	91	84.7	......
14..	59.12	58.62	59.47	56.81	56.73	58.37	58.19	24.3	22.1	31	32.5	29.2	25.5	27.4	33.4	21.9	87	96	61	52	74	76	74.3	......
15..	57.67	57.46	57.18	54.41	54.88	56.31	56.32	22.4	21.9	31.2	32	29	26.3	27.1	33.9	21.9	86	88	58	63	71	81	74.5	......
16..	55.60	55.72	56.63	54.14	55.52	57.28	55.82	25.5	24.5	31.5	33	29	28.1	28.6	34.2	24.5	84	87	51	64	80	89	75.8	......
17..	57.06	57.48	58.58	55.94	56.93	58.41	57.40	25.9	25.4	29.1	29.9	27.4	26	27.3	31.6	25.2	91	93	81	76	85	83	84.8	......
18..	57.88	57.55	58.18	55.77	56.91	58.55	57.47	25.7	25.3	30	32	26.5	25	27.4	32.8	24.6	90	92	73	69	88	95	84.5	4.2
19..	57.46	57.43	58.34	56.46	57.29	58.32	57.55	24.2	23.5	30.5	30	25.6	25	26.5	32	23.5	91	96	70	73	88	88	84.3	......
20..	58.17	58.03	59.15	57.24	58.19	59.87	58.44	24.1	23.5	30	28.3	26.5	24.2	26.1	32.7	23	91	95	59	77	77	81	80	.4
21..	59.45	59.69	59.98	58.22	59.08	60.56	59.50	22.5	21.8	30.4	32	27.7	25.5	26.6	33.1	20.7	90	93	54	54	74	84	74.8	......
22..	60.20	60.02	60.42	58.48	58.99	60.41	59.75	24.2	23.3	31	31.5	27.3	25.2	27.1	32.2	22.5	82	86	62	62	81	92	77.5	......
23..	60.11	59.52	60.77	58.90	59.15	61.13	59.93	25.2	23.9	29.9	31.3	27.6	24.9	27.1	31.6	23.8	89	97	71	64	81	81	80.5	......
24..	60.11	59.99	60.23	57.81	58.13	59.96	59.37	24.2	23.9	31.3	32.5	27.6	24.5	27.3	33.8	23.2	83	80	58	55	68	77	70.2	......
25..	59.88	59.55	60.23	57.59	58.10	59.78	59.19	22.8	23	31.5	23.5	28.7	25	25.8	34.4	21.9	89	90	57	55	68	83	73.7	......
26..	59.87	59.80	60.28	58.05	58.17	59.73	59.32	23.4	22.2	31.8	29.4	28.1	25.3	26.7	34.7	22.1	86	94	61	62	70	88	76.8	......
27..	59.68	59.99	61.19	59.22	59.85	61.16	60.18	23.8	23.1	30.4	30.1	24.7	24.8	26.2	32.4	23	90	94	71	71	93	85	84	2.5
28..	60.51	59.52	60.35	57.96	58.25	59.90	59.42	23.4	22.8	30	32.2	28.5	26	27.2	33.2	22.7	92	97	68	63	79	89	81.3	......
29..	59.39	58.99	59.93	57.70	58.75	59.95	59.12	23.9	22.9	31.5	33	29	26.7	27.8	33.7	22.7	89	97	64	60	74	75	76.5	......
30..	59.64	59.20	59.99	57.79	58.09	59.72	59.07	24	22.4	32.1	33.4	29.6	25.9	27.9	35.7	22.4	88	96	63	44	71	87	74.8	......
31..	59.40	58.98	60.03	57.23	57.83	59.29	58.79	24.7	23	31.9	34	28.4	27.2	28.2	34.4	22.9	79	91	58	47	70	73	69.7	......
Mean	58.47	58.29	59.06	56.91	57.42	58.90	58.17	24.2	23.4	30.6	31.3	27.9	25.7	27.2	33	23.1	89	93	65.4	63.3	78.5	85.2	79.1	......
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	40.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	Calm	WSW	Calm	Calm	4.3	22.5	38.9	5.6	71.3	1	Ci.-S. SW	Cu.	3	....	Cu.-N. E
2..	Calm	Calm	Calm	W	Calm	Calm	14.7	24.3	31.1	10.5	80.6	2	Ci.-S.	Cu.	1	Ci. SW	Cu.-N.
3..	Calm	Calm	Calm	NW	Calm	Calm	6.9	21.5	47.5	29.2	105.1	2	Ci. SW	Cu	1	Ci.-S. NE	Cu.-N.
4..	Calm	Calm	Calm	NNW	NNW	Calm	6.1	23.5	51.7	13.1	94.4	7	Ci. N	Cu.-N. NNW	6	Ci. E	Cu.-N. E
5..	Calm	Calm	Calm	NW	Calm	Calm	4.5	26	38.1	8.9	77.5	2	....	Cu.-N.	2	Ci. E	Cu.-N. ENE
6..	Calm	Calm	Calm	NW	S	Calm	8.9	20.1	38.4	15.3	82.7	2	Ci.-S. E	Cu.-N.	3	Ci. E	Cu.-N. SW
7..	Calm	Calm	Calm	NW	Calm	Calm	9.7	29.2	47.2	7.8	93.9	2	Ci. NW	Fr.-S. E	7	....	Cu.-N. NE
8..	Calm	Calm	Calm	NE	NNE	Calm	5.9	16.4	40.4	35.2	97.9	7	Ci.-S. NW	Cu.	7	Ci.-S. NW	Fr.-Cu. NE
9..	Calm	Calm	Calm	Calm	Calm	Calm	18.5	14.3	16.4	13.5	62.7	10	....	N. N	10	....	N. N
10..	Calm	Calm	Calm	NNE	Calm	Calm	22.5	14.5	24.7	5.4	67.1	9	Ci.-Cu. SE	Fr.-Cu. W	9	Ci.-S.	Cu.-N. W
11..	Calm	Calm	Calm	WSW	Calm	Calm	7.8	22.5	39.9	25.4	95.6	5	Ci.-S. N	Cu.-N. SE	7	Ci. SSW	Cu.-N. N
12..	Calm	Calm	Calm	NNW	Calm	ENE	14	25.7	37	35.9	112.6	3	Ci.-S. W	Fr.-Cu. E	10	A.-S. W	Cu.-N. E
13..	Calm	Calm	Calm	WNW	Calm	Calm	20.1	24.4	34.4	12.7	91.6	2	Ci. E	Cu.-N. SE	3	Ci. E	Cu.-N. SE
14..	Calm	Calm	Calm	NNW	Calm	Calm	6.1	11.6	28.7	18.3	64.7	2	Ci. E	Cu. SE	2	Ci. E	Cu.-N. SE
15..	Calm	Calm	NE	NE	NE	Calm	13.7	25.7	34	22.7	96.1	7	Ci.-S. E	Cu.-N. SE	7	Ci. E	Cu.-N. SE
16..	Calm	Calm	SE	NW	Calm	Calm	16.4	20.9	41.2	10.5	89	4	Ci.-Cu. SW	Fr.-S. E	3	Ci.-S. E	Cu.-N.
17..	SW	Calm	SW	WNW	SE	Calm	13.4	18	41.8	24.6	97.8	7	Ci.-S.	Cu.-N. SE	8	Ci.-S. E	Cu.-N. SW
18..	Calm	Calm	WSW	NW	ESE	Calm	10.5	19.1	33.6	22.2	85.4	7	A.-S. E	Cu.-N. W	10	Ci.-S. E	Cu.-N. SE
19..	Calm	Calm	Calm	WSW	SE	Calm	14.5	20.3	46.7	9.5	91	2	Ci. NE	Fr.-Cu. W	8	Ci.-S.	Cu.-N. W
20..	Calm	Calm	Calm	ENE	Calm	Calm	14.2	a4.8	b26	10	c55	7	Ci.-S.	S.-Cu. SW	9	A.-S. E	Cu.-N. SE
21..	Calm	Calm	Calm	Calm	Calm	Calm	4.5	12.3	30.3	10.5	57.6	8	Ci.-S. E	Cu.-N. W	3	Ci.-S. E	Cu.-N.
22..	Calm	Calm	SE	WNW	Calm	Calm	13.4	25.9	28.5?	11.3	79.1	4	Ci.-S. E	Cu.-N. W	2	Ci.-S.	Cu.-N.
23..	Calm	Calm	Calm	Calm	Calm	NW	14.5	34	28	31.4	107.9	1	Ci.-S. E	Cu.	3	Ci.-S. E	Cu.-N.
24..	Calm	NNE	NE	NE	NE	Calm	44.9	35.6	46.9	21.1	148.5	2	Ci.-S. SE	Cu.-N.	1	....	Cu.-N. SE
25..	Calm	Calm	Calm	NNE	Calm	Calm	1.9	11.6	37	11.9	62.4	9	Ci.-S. E	S.-Cu. NE	4	Ci.-S. E	Cu.-N. SE
26..	Calm	Calm	Calm	SE	Calm	Calm	4.6	18.5	48.1	4.5	75.7	1	Ci. E	S.-Cu. NE	7	A.-S.	Cu.-N. E
27..	Calm	Calm	Calm	WNW	SE	Calm	11.1	24.1	39.4	22.7	97.3	4	Ci. E	Cu.	9	A.-S.	Cu.-N. E
28..	Calm	Calm	Calm	W	Calm	Calm	11.5	18.2	26.4	5.3	61.4	2	Ci. E	Cu.	1	....	Cu.-N.
29..	Calm	Calm	Calm	Calm	Calm	Calm	8.9	12.7	29.5	18	69.1	3	Ci. NW	S.-Cu.	2	....	Cu.-N. E
30..	Calm	Calm	Calm	ESE	SW	Calm	3.8	24.1	54.7	5.9	88.5	1	....	Cu.	3	Ci.-S. SE	Cu.-N. E
31..	Calm	Calm	Calm	SE	NW	NE	9.5	18.3	38.8	33.6	100.2	7	Ci.-S. E	Cu.-N.	5	A.-S. E	Cu.-N.
Mean	......	......	......	......	......	......	11.7	20.7	36.9	16.5	85.8	4.3	....	....	5	....	....
Total	......	......	......	......	......	......	......	......	......	......	c2,659.7	....	....	....	....	....	....

[a] 4 hours missing. [b] 1 hour missing. [c] 5 hours missing.

LAOAG

[ϕ=18° 12′ N; λ=120° 35′ E; barometer above sea, 10 meters; gravity correction not applied, —1.58 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.73	59.09	59.96	57.99	58.88	59.98	59.10	24.4	22.9	32.4	33.3	29.3	27	28.2	34.6	22.7	85	94	56	50	62	77	70.7	......
2..	59.20	59.78	60.77	58.83	59.22	59.79	59.60	24.5	23.5	30.3	30.5	28.4	26	27.2	33.2	23.5	86	91	69	66	80	90	80.3	......
3..	59.57	59.99	60.79	58.18	58.45	59.58	59.43	23.8	22.9	31.5	32.3	28.9	24.7	27.4	33.6	22.6	89	95	62	59	78	92	79.2	......
4..	59.32	59.62	59.89	57.39	58.88	59.98	59.18	22.9	21.7	31.9	33.2	28.2	25	27.2	34.2	21.6	88	96	58	49	78	89	76.3	......
5..	58.56	58.90	59.53	57.15	57.87	59.21	58.54	23.2	22.6	31.6	32.3	28.8	25.8	27.4	33.9	22.6	90	95	62	63	76	85	78.5	......
6..	58.49	58.39	58.87	57.08	58.04	59.61	58.41	23.8	22.1	31.5	32	28.2	26.6	27.4	33.4	22	82	95	61	58	79	87	77	......
7..	58.35	58.99	60.43	57.90	58.43	59.76	58.98	25.3	22.6	31	32.4	28	25.4	27.4	33.5	22.4	88	95	69	62	79	90	80.5	......
8..	59.24	59.31	59.80	57.91	57.84	59.22	58.89	24	23.7	30.1	31.8	28	25.5	27.2	33.1	23.5	94	95	71	64	79	90	82.2	......
9..	57.99	58.13	58.57	55.99	56.55	58.15	57.56	23.6	21.4	31.3	33.4	28.2	24.7	27.1	34.2	21.4	88	96	57	51	72	83	74.5	......
10..	57.58	57.78	58.38	55.96	56.85	57.65	57.37	23.3	22.3	31.6	31.8	26.9	25.5	26.9	33.2	22.1	85	92	54	55	76	79	73.5	......
11..	57.14	57.30	57.62	55.60	56.70	58.07	57.07	24.4	22.3	31.5	32.3	27.3	25.4	27.2	33.9	22.1	80	94	57	59	73	80	73.8	......
12..	58.04	58.15	58.63	56.78	57.65	58.57	57.97	24.5	22.6	31	31.1	26.7	24.7	26.8	32.6	22.5	78	90	54	53	68	75	69.7	......
13..	58.09	58.39	59.59	58.01	58.97	60.15	58.87	22.5	21.8	30.5	31.4	26.3	24.4	26.2	33	21.3	85	88	49	48	57	72	66.5	......
14..	59.69	60.02	60.69	58.98	59.53	60.21	59.85	22.7	22.5	28	28.4	24.5	24	25	31	22	75	74	58	55	64	67	65.5	......
15..	59.90	59.82	59.55	57.40	58.12	59.06	58.98	23.9	23.5	29.6	31	25.9	22.4	26	32.2	20.8	65	66	43	42	61	79	59.3	......
16..	58.74	59.07	58.80	56.04	57.26	58.47	58.06	19.8	19	30.6	32.8	26.7	23.3	25.4	34	18.9	89	92	55	43	71	84	72.3	......
17..	58.18	57.99	59.02	56.82	57.90	59.26	58.20	23.5	23.1	30.2	32.1	28	25.7	27.1	33	22.2	83	84	66	60	79	87	76.5	......
18..	58.57	58.49	58.25	55.92	57.29	58.72	57.87	24.1	22.3	31	32.7	27	26.8	27.3	33.8	22	81	93	62	54	74	72	72.7	......
19..	58.22	58.12	58.66	56.73	57.98	58.86	58.10	25.2	24.6	32.4	31.4	28	25.5	27.8	34.8	24	76	79	50	53	67	76	66.8	......
20..	58.22	58.03	58.34	56.09	58.08	59.42	58.03	22.4	20.8	31.5	32.5	28	25.5	26.8	34	20.7	82	93	57	60	73	83	74.7	1.8
21..	58.93	58.79	59.25	57.44	58.63	59.73	58.80	23.6	23.7	28.5	27.8	23.9	23.4	25.2	29.4	22.8	90	85	67	64	74	72	75.3	......
22..	59.44	59.36	60.08	57.80	58.60	59.20	59.08	22.3	21.2	27.2	29.8	24.9	21.4	24.5	30.9	20.9	71	76	53	46	72	76	65.7	......
23..	59.16	59.53	60.74	58.68	59.60	60.67	59.73	20.9	20.8	26.9	28.6	25.2	22.4	24.1	29.7	20.4	87	86	63	61	66	75	73	......
24..	60.52	61.18	62.23	60.40	61.17	61.91	61.24	21.8	22.3	27.2	27.5	22.3	22.4	23.9	28.4	21	75	70	49	50	70	64	63	......
25..	61.21	61.24	61.83	59.59	60.04	61.16	60.84	21.8	20.7	27.1	29	23.8	21	23.9	29.9	19.7	69	76	55	50	64	77	65.2	......
26..	61.02	61.01	61.59	58,88	59.57	60.04	60.35	18.6	17.7	28.4	30.3	24.4	23.4	23.8	32	17.2	86	93	60	51	72	78	73.3	......
27..	59.46	59.69	60.75	58.68	59.47	60.17	59.70	20.8	19.4	30.5	29.9	26.3	25	25.3	31.4	19	87	96	55	52	64	74	71.3	1
28..	59.68	59.71	60.99	60.49	60.14	61	60.34	24.6	24.5	26.3	25.4	24.4	24.2	24.9	28.3	23.2	85	83	80	84	85	85	83.7	6.1
29..	60.27	60.60	61.24	58.56	59.50	60.85	60.17	22	20.6	29.9	30.5	27.4	25.8	26	32.2	20.3	86	96	67	66	68	73	76	......
30..	59.91	60.15	61.22	59.52	60.28	61.06	60.36	24.3	21.2	26.9	30.1	28.4	25	26	31.3	21.2	71	95	77	60	64	88	75.8	......
Mean	59.05	59.22	59.87	57.76	58.58	59.65	59.02	23.1	22	30	30.9	26.7	24.6	26.2	32.4	21.6	82.5	88.4	59.9	56.3	71.5	80	73.1	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8.9

Day.	Wind.											Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.			
												Amount.	Form and direction.		Amount.	Form and direction.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.	
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*			
1..	Calm	Calm	NE	E	Calm	Calm	6.1	31.7	30.1	18.3	86.2	3	Ci.-S. E	Cu.	8	A.-S. E	Cu.-N.	
2..	Calm	Calm	Calm	NW	Calm	Calm	19	22.2	31.2	11.6	84	7	Ci.-S. W	S.-Cu. NW	9	Ci.-S.	S.-Cu. E	
3..	Calm	SSW	Calm	WNW	Calm	Calm	11.8	27.6	28	7.4	74.8	2	Ci.-S. NE	Cu.-N.	1	....	Cu. E	
4..	Calm	Calm	Calm	WNW	Calm	Calm	8.9	22.2	33.5	5.3	69.9	1	....	Cu. W	1	....	Cu. SE	
5..	Calm	Calm	Calm	W	Calm	Calm	16.3	26.4	31.2	9.7	83.6	1	....	Cu. W	1	....	Cu. SE	
6..	Calm	Calm	Calm	WNW	Calm	Calm	7.4	27.4	32.8	11.5	79.1	1	....	Cu.	3	....	Cu.-N. E	
7..	Calm	Calm	NW	WNW	Calm	Calm	14.3	23.5	34	5.6	77.4	1	....	Cu.	2	....	Cu. SE	
8..	Calm	Calm	NNW	NW	Calm	Calm	11	27.4	[a]22.5	10.5	71.4	2	Ci.-S. E	Cu.-N. SE	3	Ci.-S. N	Cu.-N. WNW	
9..	Calm	Calm	Calm	NW	Calm	Calm	8	15.8	24.9	10.3	59	4	Ci.-S. E	Cu.-N.	1	....	Cu.-N.	
10..	Calm	Calm	Calm	NNW	NNE	NE	18.7	22.3	45.3	26.8	113.1	4	Ci.-S. E	Cu.-N. W	5	Ci.	Cu.-N. E	
11..	Calm	Calm	Calm	NNE	NNE	Calm	10.3	21.1	58.2	38.6	128.2	3	Ci. E	Cu.	2	Ci.-S.	Cu.-N. E	
12..	NNE	Calm	NNE	NE	NE	Calm	25.4	43.7	59.5	22.8	151.4	3	Ci.-S.	Cu.-N. E	2	Ci.-S. E	Cu.-N.	
13..	Calm	Calm	NE	NE	Calm	NE	9.5	38.1	60	24.4	132	3	Ci.-S. E	Cu.	2	Ci.-S. E	Cu.	
14..	Calm	Calm	NE	NE	NE	Calm	20.3	38.4	71.6	29.8	160.1	4	Ci. W	Cu.-N.	8	Ci.-S. E	Cu.-N.	
15..	NE	ENE	NE	NE	Calm	Calm	43.5	59.5	56.6	13.9	173.5	2	Ci.-S. E	Cu	4	Ci.-S. E	Cu.-N.	
16..	Calm	Calm	Calm	ESE	Calm	Calm	4.3	19.5	43.8	5	72.6	2	Ci.-S. E	Cu	3	Ci.-S. NE	Fr.-Cu. E	
17..	Calm	Calm	NW	NW	Calm	Calm	9.9	21.7	25.5	8.3	65.4	4	Ci.-S.	S.-Cu. E	5	Ci.	Cu.-N. E	
18..	Calm	Calm	NNE	NNE	NNE	NNE	7	33.8	66	53.4	160.2	6	Ci. E	Cu.	7	Ci.-S. NE	Cu.-N. SE	
19..	NNE	N	ESE	ESE	Calm	Calm	48	45.1	32.4	9.2	134.7	5	Ci.-S. E	Cu.-N.	7	....	Cu.-N. SSW	
20..	Calm	Calm	Calm	NNW	Calm	NNE	5.8	21.7	32	35.7	95.2	2	Ci.-S. NE	Cu.	3	Ci.-S.	Cu.-N. SE	
21..	Calm	NNE	NNE	N	N	N	27.6	78.7	83.1	53.7	243.1	8	....	Cu.-N. W	2	Ci.-S.	Fr.-Cu. N	
22..	N	Calm	Calm	NE	N	Calm	33.6	50.2	52	18	153.8	3	Ci.-S.	Cu.	1	Ci.-S.	Cu.	
23..	Calm	Calm	Calm	Calm	Calm	Calm	2.9	12.3	22.8	16.7	54.7	8	Ci.-S.	Cu.-N. S	8	....	Cu.-N. SW	
24..	Calm	NE	ENE	NE	NE	N	37.6	69.2	92.2	65.5	264.5	6	Ci.	S.-Cu. S	2	Ci.-S.	Cu.	
25..	NNE	NNE	N	NE	NE	Calm	46.7	57.9	59.5	14.5	178.6	3	Ci.-S. E	Cu. S	3	Ci.-S.	Cu.-N. ESE	
26..	Calm	Calm	NNW	ENE	NNW	Calm	4.6	30.8	57.9	23.9	117.2	3	Ci.-S. E	Cu.-N. N	3	....	Cu.-N. E	
27..	Calm	Calm	N	NNE	NNE	NNW	4.6	54.2	73.2	54.4	186.4	2	Ci.-S. E	Cu.	2	Ci.-S.	Cu.-N. E	
28..	NNE	NNE	NNE	NNE	NNE	NNE	52.5	48.8	58.4	30.1	189.8	8	Ci.-S.	Cu.-N. SW	10	....	N. SW	
29..	Calm	Calm	Calm	NE	NNE	Calm	5.3	14.5	38.9	31.9	90.6	3	Ci. W	Cu	7	Ci.-S.	Cu.-N. SE	
30..	Calm	Calm	Calm	NE	Calm	Calm	10.3	10.3	26	13.9	60.5	7	Ci.	Fr.-Cu. S	7	Ci.-S. E	Cu.-N. S	
Mean	.....	.....	.....	.....	.....	.....	17.7	33.9	46.1	22.7	120.4	3.7	....	....	4.1	....	....	
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[a]3,611	.....	....	....	.....	....	....	

[a] 2 hours missing.

LAOAG

[ϕ=18° 12′ N; λ=120° 35′ E; barometer above sea, 10 meters; gravity correction not applied, −1.58 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.97	60.02	60.79	58.26	59.86	60.54	59.91	23.4	22.7	31.5	31.3	26.2	23.6	26.4	33.9	22.5	86	87	54	45	69	80	70.2	....
2..	60.37	60.14	61.54	58.53	59.50	60.55	60.10	22.3	21.7	29.5	31.5	26.5	25.9	26.2	32	21.3	88	92	65	46	66	64	70.2	....
3..	60.26	59.70	59.93	57.46	58.04	58.91	59.05	21.8	20	31.9	33.6	28.3	22.9	26.4	34	20	82	93	54	55	62	83	71.5	....
4..	58.49	58.28	58.77	55.69	56.59	57.72	57.59	20.9	20.6	29.6	32.9	26.9	25.2	26	33.7	20	94	94	69	50	76	80	77.2	....
5..	56.86	56.58	57.39	55.05	56.07	57.12	56.51	24.8	25	30.3	31.9	29	26	27.8	33.9	24	80	80	60	63	67	79	71.5	....
6..	56.88	56.81	57.86	55.81	56.89	57.70	56.99	24.8	23.7	29.3	30.8	26	25.7	26.7	32.2	23.6	83	91	68	65	85	86	79.7	....
7..	57.72	58.14	58.92	56.81	57.55	58.67	57.97	24.8	23.7	30.3	30.7	25.9	24.6	26.7	32.5	23.6	87	94	66	67	85	89	81.3	....
8..	58.54	58.66	59.69	57.57	58.41	59.50	58.73	24.1	23.7	28.9	30.5	26.9	25.4	26.6	31.9	23.5	93	94	71	68	81	85	82	....
9..	59.04	58.48	60.12	58.60	58.52	59.72	59.08	24.8	24.7	30.1	27.5	26	23.6	26.1	31.4	22.2	87	86	64	74	76	90	79.5	1.5
10..	59.64	60.20	61.13	58.19	59.08	61.20	59.91	21.5	20.3	30.3	33.4	27.8	23	26	33.6	20.2	88	97	56	46	67	86	73.3	....
11..	60.57	60.52	60.39	59.07	59.98	60.61	60.19	20.4	19.8	30.3	30.7	26.6	23.8	25.3	32.6	19.7	91	94	58	59	80	89	78.5	....
12..	60.29	59.69	60.83	58.85	59.37	59.87	59.82	22.4	21.5	28.5	29.5	25.9	24	25.3	31.3	21.3	89	95	75	68	80	87	82.3	....
13..	59.72	59.40	59.50	57.37	58.06	58.85	58.82	23.4	23.7	28.4	29.8	24.9	22.3	25.4	30.6	21.1	85	83	61	55	69	80	72.2	....
14..	58.56	58.65	59.29	56.11	57.22	58.45	58.05	20.2	19.5	30.3	32	25.9	21.8	25	32.4	18.7	88	92	49	45	63	82	69.8	....
15..	58.22	58.99	60.49	58.12	59.32	59.97	59.18	19.8	19.3	29	28.5	23.9	22.3	23.8	31.1	18.9	92	92	61	60	74	81	76.7	....
16..	59.42	59.38	60.51	58.34	59.29	60.77	59.62	19.4	18.3	29.4	30.5	25.9	22.4	24.3	32.1	18	89	95	54	50	62	77	71.2	....
17..	60.51	60.61	61.60	59.07	60.34	61.60	60.62	18.2	17.6	29.3	31.5	26.4	22.4	24.2	33	17.4	91	94	56	51	62	79	72.2	....
18..	61.17	61.72	62.40	60.04	61.09	62.23	61.44	19.3	18.1	30	30.6	25.7	21.9	24.3	32.3	18	86	94	56	53	67	82	73	....
19..	61.92	61.74	62.56	60.19	61.10	62.66	61.70	20	19.5	29	31.3	25.6	21.3	24.4	32	19.5	91	92	55	41	71	84	72.3	....
20..	62.06	61.78	63.38	61.69	62.80	63.62	62.56	19.9	21	28.4	29	23.4	23	24.1	30.8	19.8	91	86	56	67	84	84	78	....
21..	62.37	61.88	63.07	61.53	62.06	63.50	62.40	22	22.2	29.7	30.3	25.7	24.2	25.7	31.9	21.6	91	89	54	47	57	62	66.7	....
22..	61.96	62.21	63.18	60.72	61.59	62.70	62.06	23.5	24	28.8	30.4	26	24.2	26.2	32	22.4	68	66	55	49	63	72	62.2	....
23..	62.50	61.87	62.03	59.77	60.32	61.73	61.37	22.9	21	30.8	32	28.6	24.4	26.6	33	20.5	74	89	53	45	59	80	66.7	....
24..	60.09	60.66	61.81	59.38	59.62	60.08	60.27	23.2	21.4	29.5	28.5	25.9	24.3	25.5	30.3	21.2	86	92	66	67	72	72	75.8	....
25..	59.90	60.16	60.85	57.93	59.32	60.55	59.78	20.7	19.3	29.4	31.1	25.3	22.9	24.8	31.8	19	94	93	59	59	69	79	75.5	....
26..	60.01	60.31	60.63	58.27	59.03	59.98	59.70	20	18.2	29.5	31	26.1	21	24.3	32.5	18	90	93	55	50	71	91	75	....
27..	59.71	60.56	61.86	59.57	60.65	61.60	60.66	20.3	19.9	28	30.3	25.3	21	24.1	31.1	19.6	90	91	67	46	80	92	77.7	....
28..	61.58	61.99	62.89	60.35	61.31	62.27	61.73	19.5	18.6	28.4	28.3	24.7	22.7	23.7	30	18.2	89	94	59	57	74	83	76	....
29..	61.82	62.21	63.28	61.14	62.80	63.42	62.44	22.5	21.3	27.5	27.5	22.6	21.2	23.8	29	21	64	71	61	47	65	72	63.3	....
30..	62.87	63.96	64.36	62.10	62.98	63.68	63.32	20.8	20	25.4	26.6	21.2	17.8	22	27.4	17	68	72	45	43	57	65	58.3	....
31..	62.47	62.89	64.01	61.58	62.42	63.04	62.74	14.4	13.5	26.5	28	23.5	19.3	20.9	29.2	12.9	83	88	47	47	67	74	67.7	....
Mean	60.18	60.26	61.13	58.81	59.72	60.74	60.14	21.5	20.8	29.3	30.4	25.8	23	25.1	31.8	20.2	85.7	89.1	59	54.4	70.3	80.3	73.1	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	NE	SE	Calm	Calm	10.3	27.4	48.9	14.5	101.1	7	Ci. NE	S.-Cu. E	5	....	S.-Cu. E
2..	Calm	Calm	Calm	E	Calm	Calm	7.4	21.2	56.5	33.3	118.4	7	Ci.-S. N	S.-Cu. E	4	A.-Cu. NW	Cu.-N. E
3..	Calm	Calm	NE	NE	Calm	Calm	9.4	34.4	51.2	9.4	104.4	4	Ci.-S. E	Cu.-N. N	7	....	Cu.-N. E
4..	Calm	Calm	Calm	NE	Calm	Calm	4.2	17.7	59.2	22.7	103.8	5	Ci.-S. E	S.-Cu. ENE	6	Ci.-S. E	Cu.-N. E
5..	Calm	Calm	NE	Calm	Calm	Calm	13.1	32.4	24.9	3.7	74.1	10	....	Cu.-N. ESE	9	....	Cu.-N. SE
6..	Calm	Calm	Calm	NNW	NE	Calm	1.8	21.4	45.6	20.9	89.7	7	A.-Cu. W	Cu.-N. N	6	Ci.-S. N	Cu.-N. SE
7..	Calm	Calm	Calm	N	Calm	Calm	13.7	26.6	53.4	13.9	107.6	5	Ci. SW	Fr.-Cu. W	3	....	Cu.-N. NE
8..	Calm	Calm	Calm	Calm	Calm	NE	7.7	19.6	34.1	34.1	95.5	9	Ci.-S. SSW	Fr.-Cu. E	6	....	Cu.-N. E
9..	NE	NE	NE	NNE	Calm	Calm	22	58.9	37	14.7	132.6	3	Ci.-S. N	Cu.-N. E	7	Ci.-S.	Cu.-N. SSW
10..	Calm	Calm	Calm	ENE	Calm	Calm	5.3	12.3	33.5	6.9	58	3	Ci. E	Cu.-N.	2	Ci.-S.	Cu. E
11..	Calm	Calm	Calm	W	Calm	Calm	3.8	16.9	26.8	10.2	57.7	3	Ci.-S. E	Cu.	2	Ci.-S. S	Cu. E
12..	Calm	Calm	Calm	NNE	Calm	Calm	16.6	20.4	50.2	27.7	114.9	3	Ci.-S. N	Cu.	4	....	Cu.-N. SE
13..	NNE	NNE	N	NNE	NNE	Calm	37.5	72.2	72.7	18.7	201.1	1	Ci.-S. N	Cu.-N. E	2	....	Cu.
14..	Calm	Calm	NE	Calm	Calm	Calm	4.3	20.6	[a]23.9	10.5	59.3	8	....	S.-Cu. SW	2	....	Cu. SE
15..	Calm	Calm	Calm	NE	NNE	Calm	3.7	25.4	67.1	39.9	136.1	2	Ci.-S. E	Fr.-Cu. SE	5	Ci.-S. E	Cu. SE
16..	Calm	Calm	NNE	NNE	Calm	Calm	5.3	34.4	56.9	19.3	115.9	2	Ci.-S. E	Cu. SE	2	Ci. E	Cu.-N. S
17..	Calm	Calm	Calm	NNE	NNE	Calm	2.1	13.2	45.3	16.6	77.2	2	Ci.-S. E	Cu.	3	....	Cu.-N. SE
18..	Calm	Calm	Calm	NE	Calm	Calm	1.8	12.4	57.7	16.3	88.2	2	Ci.-S. E	Cu.-N.	3	....	Cu.-N. SE
19..	Calm	Calm	Calm	SE	Calm	Calm	2.4	15.1	46.2	1.9	65.6	3	....	Cu.	4	Ci.S.	Cu. E
20..	Calm	Calm	Calm	N	N	N	7.7	14.2	57.1	46.1	125.1	8	Ci.-S. E	S.-Cu. S	4	Ci. E	Cu.-N. NE
21..	Calm	Calm	N	NE	NE	NE	33.6	49.1	79.9	39.2	201.8	3	Ci.-S. E	Cu.-N. NNE	3	Ci. NNE	Cu.-N.
22..	Calm	NNE	NE	NE	Calm	Calm	33.8	57.3	62.6	25.9	179.6	4	Ci. W	Cu.-N. SW	5	A.-Cu. E	Cu.-N. SW
23..	Calm	Calm	Calm	ESE	Calm	Calm	22.3	23.3	67.3	5	117.9	2	Ci.-S.	Cu.-N. E	8	....	Cu.-N. SSE
24..	NE	Calm	N	N	N	Calm	18	37	[a]53.1	34	142.1	4	Ci.-S. E	Cu.	7	Ci.-S. E	Cu.-N. N
25..	Calm	Calm	NNE	NE	Calm	Calm	4.5	34.8	[b]24.3	18.7	82.3	3	Ci. E	Cu. SE	4	Ci.-S. E	Cu.-N SE
26..	Calm	Calm	Calm	Calm	Calm	Calm	3.2	13.4	29.6	6.2	52.4	4	Ci.-S. E	Cu.-N. N	2	....	Cu. SE
27..	Calm	Calm	Calm	Calm	Calm	Calm	15.9	15.1	29	5.6	65.6	4	Ci. E	Cu. SW	4	Ci.-S. E	Cu.-N.
28..	Calm	Calm	Calm	NNE	NNE	NNE	9.7	43.7	84.3	53.1	190.8	7	Ci. SE	Cu.-N.	3	Ci.-S.	Cu. NE
29..	NNE	Calm	NE	NE	NE	NE	44.3	70.8	93.6	58.5	267.2	2	Ci. SE	Cu. E	3	Ci. E	Cu.
30..	NE	NE	NE	NE	Calm	Calm	61	77.2	73.7	9.4	221.3	3	Ci.-S. E	Cu. SW	1	....	Cu.
31..	Calm	Calm	Calm	NNW	Calm	Calm	1	18.2	36	11.8	67	2	Ci.-S. E	Cu. SE	3	....	S.-Cu. E
Mean	......	......	......	......	......	......	13.8	30.9	51	20.9	116.6	4.3	....	....	4.2	....	....
Total	......	......	......	......	......	......	......	......	......	......	[c]3,614.3	....	....	....	....	....	....

[a] 2 hours missing.

[b] 4 hours missing.

[c] 8 hours missing.

APARRI

[φ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5.64 meters; gravity correction not applied, —1.57 mm.]

JANUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	62.68	62.94	63.84	61.05	61.96	63.14	62.60	21.8	20.9	26	30.4	25.5	23.2	24.6	31.2	20	91	92	76	53	80	90	80.3	......
2..	63.01	63.52	64.40	62.71	63.24	64.63	63.58	21.7	20.4	27.6	26.5	23.6	23	23.8	29.6	19.5	93	94	71	76	85	88	84.5	4.8
3..	63.82	64.17	65.52	63.59	64.47	65.30	64.48	22.8	22	23.2	24.9	23	22.8	23.1	25.1	21.5	89	95	94	84	90	90	90.3	13.2
4..	64.65	65.10	66.42	64.44	65.32	66.50	65.40	22.4	22	22.6	23.7	22.2	22	22.5	24.8	21.2	93	95	96	91	95	95	94.2	28.4
5..	66.02	66.35	67.85	66.70	68.29	69.40	67.44	21.8	21.4	22.2	21.5	20	21	21.3	22.8	19.2	93	94	91	95	93	82	91.3	29
6..	69.22	69.71	70.29	68.25	68.51	68.99	69.16	19.3	19.4	22.4	22.1	20.8	20.9	20.8	23.5	18.4	93	91	79	85	83	83	85.7	......
7..	66.40	66.87	67.51	65.07	65.47	66	66.22	20.2	19.2	23	24.5	23	21.8	22	25.3	18.5	88	95	81	73	84	91	85.3	......
8..	64.95	64.47	65.15	62.15	61.90	63.19	63.64	21	20.8	24.8	28	24.7	22.1	23.6	30	19.8	93	93	77	70	86	92	85.2	......
9..	61.64	62.13	62.56	60.48	60.87	61.84	61.59	21.5	21.1	27.1	31	24.8	22.3	24.6	31.5	20.4	94	95	72	59	88	93	83.5	......
10..	60.24	60.37	61.68	59.04	59.65	60.82	60.30	21.2	21	25.8	29.2	24.8	22.9	24.2	31.5	19.8	95	95	79	70	85	93	86.2	......
11..	59.81	59.91	61.26	59.07	59.97	61.15	60.20	21.5	19.3	24.8	29	25.5	24.3	24.1	30.1	18.8	95	95	85	64	83	89	85.2	......
12..	60.16	60.20	61.92	59.64	60.37	61.84	60.69	23.9	21.9	26.8	29.1	25	24	25.1	29.8	21.1	88	96	74	64	76	80	79.7	......
13..	60.94	61.09	62.98	61.20	61.85	63.29	61.89	21.1	20.2	25.8	27.5	24.7	23.3	23.8	29.1	19.6	95	94	73	66	76	84	81.3	4.5
14..	63.17	63.23	65.16	63.40	63.49	64.42	63.81	21.9	22.1	23.6	24.6	23.6	23	23.1	26.7	21.5	96	94	86	82	86	90	89	7.1
15..	63.75	63.47	64.59	62.34	62.80	63.87	63.47	22	22	26	28.1	25.1	24	24.5	29	21.3	96	96	80	74	87	90	87.2	......
16..	63.07	63.19	64.59	62.67	63.22	64.47	63.54	22.9	22.1	25	26.5	24.9	24.1	24.2	27.8	21.3	93	95	85	73	81	84	85.2	......
17..	64.12	64.49	65.94	64.30	64.57	65.47	64.82	22.8	21.2	26.8	27	24.4	22.2	24.1	28.3	20.5	91	95	77	74	80	91	84.7	......
18..	64.62	64.83	66.60	64.21	64.49	65.52	65.04	21.1	20.1	27	28.5	25.1	23.8	24.3	29.1	19	94	94	70	64	83	86	81.8	......
19..	65.40	65.64	67.17	65.77	66.91	67.56	66.41	20.8	21.3	22.8	23.2	21.1	21.2	21.7	24.5	20	95	95	89	84	90	88	90.2	20.4
20..	66.94	66.55	67.79	65.32	65.92	67.01	66.59	20.8	21.6	21	23.6	21.8	21.1	21.6	24.3	19.8	88	82	91	79	84	88	85.3	6.4
21..	66.31	66.17	67.51	64.76	64.52	65.42	65.78	21	20.8	21.2	26	22.8	20.4	22	26.8	19.2	86	85	85	65	76	91	81.3	......
22..	64.79	65.04	66.55	63.96	64.05	64.95	64.89	19.9	18.6	23.6	27	23.9	21.6	22.4	27.8	17.7	91	92	78	60	76	87	80.7	......
23..	63.86	63.91	65.24	62.42	62.10	63.19	63.45	19.3	17.5	25	27	23.6	21.1	22.2	29.2	16.7	92	93	71	60	74	84	79	......
24..	62.94	62.99	63.97	61.57	61.87	62.82	62.69	19.5	18	24.6	29.5	24	21.7	22.9	29.7	17.1	88	90	63	49	80	87	76.2	......
25..	62.68	62.84	64.62	62.26	62.75	63.63	63.13	19.7	19.1	25	27.6	24	20.9	22.7	28.7	18.5	93	94	71	58	75	89	80	......
26..	63.39	63.74	65.85	63.49	63.60	64.34	64.07	19	18	24.4	29.4	24	20.2	22.5	29.6	15.8	92	95	71	55	69	89	78.5	......
27..	63.95	64.04	65.76	62.39	62.80	64.42	63.89	19	17	24.3	29	25	21.8	22.7	30.5	16.3	92	94	64	55	68	80	75.5	......
28..	64.04	63.88	65.37	63.01	62.72	63.13	63.69	19.9	18.8	24.6	25.3	23.9	22.5	22.5	27.2	17.3	91	92	75	77	84	91	85	1
29..	62.64	62.94	63.93	61.65	61.82	62.57	62.59	22	20.8	26.3	27.5	25.8	24.3	24.4	31.1	19.5	92	93	70	68	82	85	81.7	......
30..	62.18	62.72	64.17	61.41	62.13	63.15	62.63	22.9	20.8	26.8	29.5	25.6	24.9	25.1	30.3	19.6	90	93	71	61	75	76	77.7	......
31..	61.95	62.07	63.47	60.81	61	62.47	61.96	22	20.9	25	28.1	25.2	23	24	30.3	19.7	93	94	79	63	79	87	82.5	......
Mean	63.66	63.82	65.15	62.88	63.31	64.34	63.86	21.2	20.3	24.7	26.9	23.9	22.4	23.2	28.2	19.3	92	93.2	78.2	69.4	81.7	87.5	83.7	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	114.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1..	SE	SE	SE	SE	NE	Calm	46.7	76.6	85.9	25.7	234.9	3	....	S.-Cu. SE	1	....	Cu. SE
2..	Calm	Calm	NW	NNE	NE	NE	18.3	34.9	121.7	122.8	297.7	0	....	....	7	....	Cu. NE
3..	NE	NE	E	NE	NE	NE	100.6	68.1	114.6	103.2	386.5	10	....	N. NE	10	....	Cu.-N. NE
4..	NE	NE	E	NE	NE	NE	88.7	88.2	136.2	157.4	470.5	10	....	Cu.-N. NE	9	....	Cu.-N. NE
5..	NE	ENE	NE	NE	NE	ENE	149.4	161.5	172.2	159	642.1	10	....	N. NE	10	....	N. NE
6..	ENE	ENE	E	NE	E	E	148.4	133.6	137	82.9	501.9	10	....	Cu.-N. E	10	....	S.-Cu. E
7..	Calm	Calm	Calm	NE	E	E	35.1	17.4	42.5	21.5	116.5	10	....	S.-Cu. E	10	....	S.-Cu. E
8..	Calm	SE	S	NE	NE	E	30.6	66.3	72.1	37.6	206.6	2	....	S.-Cu. SE	1	....	Cu. S
9..	E	SE	S	S	Calm	Calm	40.8	71.1	49.3	21.2	182.4	0	....	....	1	....	Cu. SW
10..	Calm	E	S	NE	N	Calm	30.9	67.6	65.2	17.7	181.4	0	....	....	0	....	....
11..	Calm	Calm	Calm	N	N	N	16.3	30.8	65.4	40	152.5	0	....	....	0	....	....
12..	Calm	Calm	N	N	NW	N	14.8	34.8	88.3	55.2	193.1	6	....	Cu.-N. W	1	....	Cu.
13..	N	W	W	N	NE	NE	28	36.8	90.3	109.7	264.8	0	....	....	8	....	S.-Cu. NW
14..	Calm	NE	NE	NE	ENE	Calm	68.9	124.5	150.2	66.5	410.1	10	....	N. NE	10	....	Cu.-N. NE
15..	Calm	Calm	SE	NE	E	NE	17.5	31.6	73.5	47.3	169.9	10	....	S.-Cu. E	5	A.-Cu. SE	Cu.-N.
16..	SW	Calm	Calm	NE	NE	N	24.6	27.7	66.2	65.7	184.2	10	....	S.-Cu. SE	8	A.-Cu. W	Cu.-N.
17..	W	Calm	Calm	NE	E	E	31.6	27.7	85.3	35.1	179.7	1	....	S.-Cu.	9	A.-Cu. E	Cu.-N.
18..	SE	SE	SE	NE	NE	Calm	26.6	48.5	86.3	30.3	191.7	0	....	....	0	....	....
19..	Calm	Calm	NE	NE	NE	NE	12.9	111	151	163.8	438.7	10	....	S.-Cu. NE	10	....	S.-Cu. NE
20..	NE	NE	E	ENE	NE	E	170.1	163.9	144.2	136.5	614.7	10	....	S.-Cu. NE	10	....	Cu.-N. E
21..	E	E	S	E	NE	NE	66	50.4	79.4	30.6	226.4	10	....	S.-Cu. E	7	A.-Cu. SE	Cu.-N.
22..	Calm	ENE	Calm	NE	NE	Calm	26.4	28.4	64.1	60.2	179.1	0	....	....	0	....	....
23..	E	Calm	S	NE	E	Calm	23	66.8	73.4	28.5	191.7	0	....	....	1	A.-Cu. S	Cu.
24..	SE	S	SSE	SSF	E	Calm	51.3	86.9	65.7	23.8	227.7	0	....	....	0	....	....
25..	SE	SE	SE	NE	N	Calm	34.8	38	65.5	26	164.3	0	....	....	0	....	....
26..	NW	NW	SW	ENE	E	Calm	30.4	42.1	114.3	29.3	216.1	0	....	....	5	A.-Cu. SE	Cu.
27..	SE	SE	S	NE	NE	Calm	34.3	65.5	85.6	48.1	233.5	0	....	....	3	A.-Cu. SE	Cu.
28..	SE	S	E	Calm	SE	SE	38.1	35.9	28.2	23	125.2	8	....	S.-Cu. E	10	....	S.-Cu. E
29..	Calm	Calm	S	NE	Calm	Calm	38.3	68.1	80.5	19.3	206.2	0	....	....	1	A.-Cu. S	Cu.
30..	Calm	Calm	S	NW	N	N	21.9	43.3	71	52.1	188.3	0	....	....	1	Ci.	Cu.
31..	NW	Calm	S	NE	NE	NE	30.1	52.3	70.6	32	185	8	....	Cu.-N. NE	1	....	Cu. S
Mean	......	......	......	......	......	......	48.2	64.5	90.2	60.4	263.3	4.5	....	....	4.8	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	8,163.4	....	....	....	....	....	....

APARRI

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5.64 meters; gravity correction not applied, —1.57 mm.]

FEBRUARY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	62.08	62.23	63.65	61.73	62.26	63.14	62.52	21.2	20.9	25.4	28.7	25	22.3	23.9	30.6	19.5	92	92	73	65	80	88	81.7	....
2..	62.55	63.09	64.45	62.42	63.26	64.23	63.33	21.1	18.9	25.8	28.4	25.3	24.6	24	31.2	18	92	93	74	64	84	87	82.3	....
3..	63.99	64.46	65.39	62.99	63.55	64.47	64.14	24	22	24.7	27.6	24.4	24.1	24.5	29	20	90	94	86	74	88	89	86.8	....
4..	64.52	65.03	67.01	65.92	67.90	69.37	66.62	24	23.7	22.9	22.8	22	20	22.6	24.3	19.2	90	88	88	88	82	91	87.8	9.4
5..	69.02	69.69	70.36	68.38	69.37	69.82	69.44	20	20	20.4	21	20	20	20.2	22.3	18.6	94	83	79	78	81	82	82.8	.6
6..	69.02	69.26	69.97	66.79	67.45	67.62	68.35	20	20.2	24.6	24.3	23.5	21.4	22,3	27	18.9	83	83	66	74	77	84	77.8	....
7..	66.52	67.32	68	64.89	65.70	65.76	66.36	20	18.9	25.3	28.2	24.9	21.2	23.1	29.9	17.8	91	93	69	65	80	89	81.2	....
8..	65.15	65.59	66.31	63.30	64	64.85	64.87	21	20.1	26.8	29	25.4	22.2	24.1	32.4	19.2	89	94	66	64	82	93	81.3	....
9..	64.55	65.54	66.41	63.80	64.03	64.65	64.83	21.4	20.6	25.5	26.8	24.6	22.1	23.5	29.3	19.8	94	94	77	70	85	90	85	....
10..	63.82	64.28	65.87	63.42	63.97	64.91	64.38	21.1	20.5	24.8	27.5	23.7	22.8	23.4	29.8	18.6	92	93	77	70	81	86	83.2	....
11..	64.29	64.73	65.74	63.14	63.57	64.85	64.39	23	20.9	25.8	27.5	24.5	23.9	24.3	29.5	19.3	91	94	74	66	84	85	82.3	....
12..	63.54	63.73	64.56	61.37	61.60	62.89	62.95	21.5	19.7	26.6	28.5	25.5	23	24.1	31	18.8	91	91	61	60	69	83	75.8	....
13..	62.28	62.52	63.86	61.80	62.32	63.63	62.74	22	21.5	28	30.8	25.5	24.1	25.3	32.6	20.1	87	88	66	60	80	88	78.2	....
14..	63.27	63.42	64.64	63.23	63.72	64.53	63.80	23	23.9	24	24.9	22.6	23.1	23.6	25.8	22.2	95	92	91	84	90	88	90	3.5
15..	63.58	63.90	64.72	62.60	62.60	63.74	63.52	23.1	22	26.6	26.6	25.1	23.1	24.4	28.6	21.5	90	96	76	76	87	94	86.5	....
16..	63.03	63.09	63.80	62.12	62.27	62.87	62.86	22.7	23.4	26.5	27.8	24.7	23.5	24.8	30	21.5	94	95	80	68	74	79	81.7	....
17..	62.08	62.03	62.80	60.84	61.11	61.99	61.81	23	22.3	26	28.1	23.9	22.8	24.4	28.7	20.3	79	80	67	56	72	74	71.3	....
18..	61.49	61.77	62.95	60.72	61.49	62.47	61.82	22.1	22	23.6	27	23	23	23.4	28.1	20.9	76	72	62	51	70	69	66.7	....
19..	61.93	62.62	63.39	60.87	61.18	62.29	62.05	21	20.8	25.5	28	24	23.3	23.8	29.2	19.8	83	83	62	61	79	81	74.8	....
20..	61.82	62.49	62.12	59.32	59.15	60.07	60.83	21.2	21.1	27.6	28.5	26.2	23.6	24.7	31	19	95	95	66	64	67	81	78	....
21..	59.84	60.20	61.21	58.96	59.34	60.02	59.93	22.1	22.1	28	29.1	26	24.7	25.3	30.2	20.8	90	88	65	67	72	81	77.2	....
22..	59.81	60.12	61.29	59.06	59.40	60.01	59.95	24	24	26.5	29.5	25.6	22.8	25.4	30.4	21.4	85	83	76	61	75	87	77.8	....
23..	59.45	59.76	61.27	59.11	59.85	61.28	60.12	21.6	20.5	27	29.6	26.3	24.9	25	33.8	19.3	90	93	73	69	74	82	80.2	....
24..	60.91	61.09	61.95	59.75	60.72	62.35	61.13	22.6	20.7	26.2	29.5	26	24.5	24.9	31	19.5	90	94	78	60	69	73	77.3	2.8
25..	62.05	62.77	64.66	62.91	62.85	63.92	63.19	22.9	23	23.5	24	22.7	22.2	23	24.6	21	79	74	67	58	65	67	68.3	....
26..	63.03	63.61	64.60	62.05	61.90	63.28	63.08	22	17.8	26.3	28.2	25.5	21.9	23.6	29.4	17.2	63	82	52	50	65	83	65.8	....
27..	62.28	62.41	63.50	61.44	60.72	61.86	62.04	20	19.5	26.4	28.3	25.8	22.2	23.7	31	18.5	89	90	59	60	72	90	76.7	....
28..	62.17	62.52	63.26	61.02	60.36	61.89	61.87	20.8	20.1	27	29.4	27	23.2	24.6	31.5	18.5	93	91	59	56	72	83	75.7	....
Mean	63.15	63.55	64.56	62.28	62.70	63.67	63.32	21.9	21.1	25.6	27.5	24.6	22.9	23.9	29.4	19.6	88.1	88.9	71	65.7	77	83.8	79.1	....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	E	Calm	S	NE	NE	NE	28.4	67	67	37.2	199.6	0	....	....	0	....	....
2..	Calm	Calm	SE	NE	NE	NE	21.7	53	86.3	66	227	0	....	....	0	....	....
3..	NE	Calm	NE	NE	NE	NE	34.8	79.2	103	101.1	318.1	8	....	Cu.-N. NE	1	....	Cu.-N.
4..	NNE	NNE	NNE	NNE	NE	NE	93.6	152.9	225.3	215.6	687.4	9	....	S.-Cu. NE	10	....	Cu.-N. NE
5..	NE	NE	NE	ENE	NE	E	197.9	192.3	163.3	133.9	687.4	10	....	S.-Cu.	10	....	Cu.-N. NE
6..	E	E	E	SE	E	Calm	114.3	97.9	76.6	43.8	332.6	10	....	S.-Cu. E	9	....	S.-Cu. E
7..	Calm	SE	S	ENE	E	Calm	26.8	54.1	83.4	32.5	196.8	0	....	....	8	A.-Cu. SE	Cu.-N.
8..	SE	SE	S	NNE	Calm	W	39.7	76.1	84.3	22.2	222.3	0	....	....	0	....	....
9..	Calm	Calm	NE	NE	NE	Calm	17.7	75.3	75.1	26.6	194.7	0	....	....	7	A.-Cu. SE	Cu.-N.
10..	Calm	Calm	S	N	NE	NE	17.1	34.8	102	93.6	247.5	8	....	Cu.-N. NE	8	....	Cu.-N. NNE
11..	NE	Calm	S	NNE	NE	NE	35.7	55.2	108	86.3	285.2	0	....	....	5	Ci.-S. SW	Cu.-N.
12..	Calm	Calm	S	NE	NE	Calm	15.6	73.5	79.1	31.4	199.6	1	A.-Cu.	....	0	....	....
13..	E	SE	S	N	N	NW	43.5	66.3	75.4	39.7	224.9	0	....	....	1	....	Cu.-N.
14..	Calm	N	NE	NE	NE	NE	47.2	105.7	122.3	111.6	386.8	10	....	Cu.-N. NE	10	....	Cu.-N. NE
15..	E	Calm	SE	NE	NE	N	48.3	45.4	103	35.6	232.3	10	....	S.-Cu. SE	7	A.-Cu. S	Cu.-N.
16..	W	N	NE	N	NNW	NW	38.1	84.7	102.4	77.9	303.1	10	....	Cu.-N. NE	1	....	Cu.-N.
17..	NW	NW	NW	N	NE	NE	74.6	49.3	83.7	97.6	305.2	4	A.-Cu. NW	S.-Cu.	0	....	....
18..	NE	NE	ENE	NE	ENE	ENE	92.3	95	130.7	101.1	419.1	3	....	S.-Cu. NE	1	....	Cu.
19..	Calm	Calm	Calm	NE	NE	NE	19.5	38.4	137.8	96.6	292.3	10	....	S.-Cu. SE	1	....	Cu. SE
20..	Calm	Calm	S	NE	SE	Calm	20.3	46.4	88.8	27.4	182.9	7	....	S.-Cu. SE	1	....	Cu.-N.
21..	Calm	SE	SE	N	N	N	34.1	41.2	103.6	63.8	242.7	1	....	S.-Cu.	0	....	....
22..	N	N	NW	NE	NE	NE	50.1	42	80.3	33	205.4	8	....	S.-Cu. NE	1	....	Cu.
23..	SE	SE	S	NE	N	N	29.3	59.3	75.1	59.5	223.2	0	....	....	0	....	....
24..	W	Calm	S	NNW	NW	N	32.8	43.8	99.2	104.4	280.2	2	A.-Cu. W	S.-Cu.	0	....	....
25..	N	NE	NE	NE	NE	NE	170.8	170.9	139.5	131.2	612.4	10	....	S.-Cu. NE	10	....	S.-Cu. NE
26..	ENE	SE	SE	NE	NE	E	109.4	43.5	86.7	40.4	280	4	A.-Cu. S	S.-Cu.	1	....	Cu.
27..	SE	SE	SSE	NE	NE	Calm	50.9	93.9	93.3	33.8	271.9	7	Ci. SW	....	5	A.-Cu. WSW	Cu.
28..	SW	Calm	S	NE	NE	SE	24.7	54.7	86.3	32.2	197.9	0	....	....	7	Ci. S	Cu.
Mean	......	......	......	......	......	......	54.6	74.7	102.2	70.6	302.1	4.7	....		3.7	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	8,458.5	....	....	....	....	....	....

APARRI

[φ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5.64 meters; gravity correction not applied, −1.57 mm.]

MARCH, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	61.50	61.69	62.92	60.17	59.35	61.17	61.13	21.4	18.9	26.4	29.5	26.6	24	24.5	31.6	17.8	89	93	66	59	68	75	75	....
2..	60.48	61.10	62.92	61.20	61.07	62.67	61.57	21.8	20.3	28	28.6	25.7	22.4	24.5	29.8	19.4	87	90	60	60	75	81	75.5	....
3..	62.74	63.07	64.49	62.32	62.36	63.06	63.01	20.7	19.8	28	29.4	26	23.1	24.5	30.6	18.6	86	89	62	65	76	84	77	....
4..	62.34	62.89	64.31	61.89	61.60	62.51	62.59	21.9	21	28.2	31.6	26.5	24	25.5	32.5	20.2	87	91	62	55	73	81	74.8	....
5..	61.98	62.10	63.27	61.31	60.95	62.42	62	23.1	22.2	28.5	29	26.8	24.5	25.7	33.2	21.2	82	86	57	63	71	78	72.8	....
6..	61.66	61.89	63.07	60.96	60.64	62.01	61.71	22.2	21.5	28	29.5	27	23.9	25.4	33.1	20.5	86	87	57	58	70	80	73	....
7..	61.49	62.02	63	60.65	60.54	62.33	61.67	21	20.9	28.6	29.9	28	24.5	25.5	32.8	19.5	93	92	59	63	66	80	75.5	....
8..	61.92	62.34	62.98	60.38	60.19	61.97	61.63	22.2	20.5	27.4	29.8	27	23.9	25.1	34.6	18.5	89	91	55	61	74	84	75.7	....
9..	61.60	61.90	62.80	60.43	60.37	62.02	61.52	21.9	22	29.4	30.3	28	25	26.1	33.1	20.1	96	87	56	62	68	76	74.2	....
10..	61.56	62.67	64.10	62.20	61.26	62.87	62.44	24.1	23	29.4	29	26.2	24.7	26.1	31.1	21?	76	79	64	64	75	84	73.7	....
11..	62.69	63.39	64.27	61.87	60.82	62.29	62.56	23.9	23.2	27.3	27.3	27	23.3	25.3	30.9	21.2	90	94	67	66	70	87	79	....
12..	62.04	62.53	63.86	61.06	60.96	62.25	62.12	22	20.3	28.5	29.5	27	25.6	25.5	32.6	19.3	91	92	57	61	75	80	76	....
13..	62.06	62.43	63.92	61.12	60.60	61.93	62.01	23	21.2	28.4	30	26.9	24.3	25.6	31.4	20	86	94	70	65	77	85	79.5	....
14..	61.53	61.97	63.32	60.65	60.12	61.95	61.59	22.9	21.9	29.8	30	28.5	24.9	26.3	33.2	20.6	90	92	56	60	67	83	74.7	....
15..	61.33	62.42	64.15	61.72	61.27	62.70	62.26	22.9	22.9	29	30.6	27.5	25	26.3	31.7	21.6	92	92	63	58	73	83	76.8	....
16..	62.34	62.93	64.17	61.50	61.46	62.50	62.48	24.5	21.9	28.5	30.3	26	25.3	26.1	31.7	20.8	84	92	67	63	80	81	77.8	....
17..	61.81	62	63.21	60.78	60.77	62.36	61.82	23.9	20.5	29.4	31.3	27.9	23.9	26.2	34.3	19	87	91	56	54	63	77	71.3	....
18..	62.03	62.32	63.75	61.31	61.44	63.07	62.32	21.9	21.5	29	29.7	27.9	23.9	25.6	34.1	20	87	87	48	57	77	88	74	....
19..	62.37	62.72	64.43	62.30	61.70	63.32	62.81	22.7	23.2	29.5	30.8	27	25.1	26.4	31.6	21.6	91	88	59	60	80	83	76.8	....
20..	62.99	63.20	64.33	61.54	60.51	61.60	62.36	22.6	21.5	28.5	32	28.7	25	26.4	33	20.2	87	91	70	59	63	76	74.3	....
21..	60.82	61.02	61.87	59.20	59.54	61.07	60.59	23.6	22.6	29.5	31.2	28.5	25.6	26.8	33.5	21.7	83	86	59	58	68	83	72.8	....
22..	60.19	60.43	61.17	59.35	59.75	61.05	60.32	24.1	22.7	29.9	31.6	27.5	26.2	27	33.1	21.3	91	92	65	62	81	85	79.3	....
23..	59.55	60.19	61.20	58.83	59.47	60.50	59.96	24.6	24.1	29.2	31.6	27.8	25.9	27.2	34.7	22.8	92	93	68	63	75	83	79	....
24..	59.64	60.18	61.56	59.18	59.39	60.46	60.07	24.9	24	28.5	31.4	27.6	26.2	27.1	33.3	22.5	88	91	74	62	76	82	78.8	....
25..	59.58	59.89	61.17	59.80	60.07	61.96	60.41	24.1	22.1	30.2	31.8	28.7	25.5	27.1	33.2	21.2	86	94	68	62	77	90	79.5	....
26..	62.28	62.84	63.52	60.80	60.72	61.97	62.02	24.2	22.9	29.9	30.5	27	25.6	26.7	32.1	21.5	91	92	61	56	70	74	74	....
27..	61.02	61.29	62.09	59.03	58.64	60.18	60.38	22.2	20.8	29.6	30.9	29	24.9	26.2	34	19.9	90	93	55	56	65	83	73.7	....
28..	60.24	61.04	61.97	59.26	59.74	61.40	60.61	23.1	22.2	30.4	30.6	28	26	26.7	32.3	21.2	87	90	55	62	76	78	74.7	....
29..	60.62	61.09	62.36	60.10	59.75	61.92	60.97	23.1	21.4	29.8	31.6	27.2	26	26.5	33.2	20	90	92	63	56	72	75	74.7	....
30..	60.26	60.56	61.58	58.76	59.14	60.85	60.19	23.1	23.8	27.1	29.9	25.5	24.8	25.7	31.3	22.5	92	90	72	65	84	85	81.3	54.4
31..	59.94	59.72	60.53	58.69	59.16	60.27	59.72	24.6	23	24.8	26.5	24.4	24.1	24.6	26.8	21.8	87	95	87	80	88	91	88	48.8
Mean	61.37	61.80	62.98	60.59	60.43	61.89	61.51	23	21.9	28.7	30.2	27.2	24.7	25.9	32.4	20.6	88.2	90.5	62.5	61.1	73.3	81.8	76.2	....
Total	.....	.....	.....	.....	.....	.....	......	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	103.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	S	NE	E	Calm	24.6	48.1	100.8	27.7	201.2	1	....	S.-Cu.	1	A.-Cu. SE	Cu.
2..	Calm	S	Calm	NE	NE	E	27.4	48.3	95.8	64.1	235.6	0	....	....	0	....	....
3..	Calm	E	SE	NE	NE	Calm	30.4	54.4	120.7	37.8	243.3	3	A.-Cu. E	S.-Cu.	4	A.-Cu. SE	Cu.-N.
4..	E	Calm	S	ENE	ENE	E	39.7	50.5	122.3	33	245.5	5	....	S.-Cu. E	2	....	Cu.
5..	SE	S	SSE	NNE	NE	NW	58.1	93	94.6	38.6	284.3	0	....	....	0	....	....
6..	SW	S	S	NNE	NE	W	56.3	91.1	90.3	37.8	275.5	0	....	....	0	....	....
7..	Calm	Calm	S	NNE	E	S	23.8	76.1	109.6	47.2	256.7	5	Ci.-S. NE	....	0	....	....
8..	Calm	S	S	NE	NE	S	26.9	101.9	106.2	53	288	0	....	....	0	....	....
9..	Calm	S	SE	NNE	E	Calm	40	96	106	36.5	278.5	0	....	....	0	....	....
10..	S	Calm	NE	NE	NE	NE	58.9	56	134.6	84.3	333.8	0	....	....	9	....	S.-Cu. E
11..	Calm	Calm	S	N	NE	Calm	20.3	54.1	70.3	28.2	172.9	10	....	S.-Cu. NE	9	....	Cu.-N. SE
12..	Calm	Calm	S	NE	N	Calm	11.9	59.8	96.6	26.4	194.7	0	....	....	0	....	....
13..	Calm	Calm	SE	N	NE	NE	28	38	96	42.8	204.8	7	....	S.-Cu. SE	0	....	....
14..	Calm	Calm	SE	NE	NE	S	12.9	66.6	94.1	42.8	216.4	0	....	....	1	....	Cu.
15..	Calm	Calm	SW	N	NW	NW	19.3	39.2	73.2	66.6	198.3	0	....	....	0	....	....
16..	NW	W	Calm	N	NE	NE	37.3	42.5	102.4	83.7	265.9	0	....	....	0	....	....
17..	Calm	Calm	S	NE	NE	S	19.9	82.9	99.6	47.2	249.6	0	....	....	0	....	....
18..	S	S	S	NE	NE	SE	37.5	95.8	104.6	38.3	276.2	0	....	....	0	....	....
19..	SE	S	SE	NNE	NE	NW	60.7	76.6	96.6	42.1	276	0	....	....	0	....	....
20..	W	Calm	NE	NE	NE	Calm	27.4	47	93.9	28.4	196.7	0	....	....	4	....	Cu.-N. S
21..	E	SE	S	NE	N	Calm	37.5	64.2	92.3	30.6	224.6	0	....	....	1	....	Cu.
22..	Calm	Calm	Calm	N	N	N	18	38.9	100.6	51	208.5	0	....	....	4	Ci. NW	Cu.-N.
23..	N	N	S	N	N	Calm	29.2	54.1	91.9	43.8	219	5	A.-Cu. W	S.-Cu.	1	....	Cu.
24..	Calm	Calm	Calm	N	NE	N	23.1	23.1	98.2	54.7	199.1	9	Ci. N	S.-Cu.	0	....	....
25..	S	Calm	SE	N	N	Calm	36	57.3	92.3	27.7	213.3	3	Ci.	S.-Cu.	1	Ci.	Cu.-N.
26..	N	Calm	E	NNE	NE	NE	30.8	56.8	148.7	99.8	336.1	0	....	....	0	....	....
27..	Calm	S	S	NE	NE	S	26.8	86.3	106.8	43.3	263.2	0	....	....	0	....	....
28..	Calm	S	S	NE	N	N	27.2	57.6	108.4	50.5	243.7	3	....	S.-Cu.	0	....	....
29..	Calm	Calm	S	NE	NE	NE	22	49.7	130.6	95.5	297.8	0	....	....	0	....	....
30..	E	Calm	NE	NE	NNE	N	24.7	48.6	126.1	83.1	282.5	10	A.-Cu. W	S.-Cu.	4	A.-Cu. W	Cu.
31..	NE	NE	NE	NNE	NNE	ENE	62.2	161.5	185	149.7	558.4	10	....	N.	10	A.-Cu. W	Cu.-N. NE
Mean	......	......	......	......	......	......	32.2	65	106.1	52.8	256.1	2.3	....	....	1.6	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	7,940.1	....	....	....	....	....	....

APARRI

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5.64 meters; gravity correction not applied, —1.57 mm.]

APRIL, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.69	60.08	61.47	59.20	59.67	61.13	60.21	23.9	23	28	29.4	26.5	25.2	26	30.3	22.4	91	95	77	72	84	85	84	1
2..	60.93	61.32	62.82	60.84	61.02	62.35	61.55	25	24	28.6	28.8	26.1	25.8	26.4	30	23.1	83	88	71	70	79	81	78.7	......
3..	60.83	60.69	60.80	58.24	58.53	60.31	59.90	25	24.3	29.5	30	27	26.1	27	32.3	23.3	86	91	68	68	84	89	81	......
4..	59.38	59.70	60.72	58.74	59.08	60.52	59.69	24.8	24.8	28.3	30.4	26.4	25	26.6	31.7	23.5	93	93	81	72	89	90	86.3	2.1
5..	60.33	60.54	61.15	59.24	60.45	61.81	60.59	24.1	23.4	29.3	28.2	27.1	25.9	26.3	33.5	22.6	92	93	69	72	83	88	82.8	......
6..	60.78	60.97	61.83	60.27	60.76	61.92	61.09	25.1	24.1	29	30	26.2	25.5	26.6	32.2	23.3	92	95	64	70	86	88	82.5	......
7..	60.86	61.09	61.40	59.21	59.35	60.23	60.36	24.6	23.5	29.6	30	27	25.1	26.6	31	22.8	89	92	69	69	84	89	82	......
8..	59.20	59.31	59.73	57.85	58.56	59.60	59.04	24.2	24	31.4	31.5	28	26.4	27.6	32.8	22.6	91	91	61	66	79	83	78.5	......
9..	58.17	58.46	59.20	57.44	57.72	59.40	58.40	25	24.5	31.6	31.6	28.3	26.9	28	35.2	23.8	87	89	62	68	81	85	78.7	......
10..	58.06	58.19	58.97	56.87	57.74	59.45	58.21	25.5	25.2	31.3	31	29	27.1	28.2	34.8	24.4	90	94	65	71	81	85	81	......
11..	57.98	58.99	59.91	57.56	58.72	59.28	58.74	26.2	26.1	30.4	31.4	23.9	23.7	27	33.3	22.5	90	89	66	70	91	91	82.8	11.7
12..	58.71	58.86	59.94	57.21	57.35	58.98	58.51	23.9	24	29.9	31.5	29.2	26.6	27.5	32.2	22.9	92	93	71	72	66	78	78.7	......
13..	57.94	58.39	59.45	57.36	58.52	59.48	58.52	25.1	24.4	31.5	31.2	28	25.1	27.6	34.7	23.5	85	88	57	72	85	92	79.8	......
14..	58.39	58.80	59.81	57.83	58.15	60.13	58.85	24.1	23.5	30.1	35	28.3	24.9	27.6	36.1	21.5	92	94	65	49	80	88	78	......
15..	59.01	59.21	60.23	58.35	59.67	60.78	59.54	23.8	23.1	31	32.1	29	25.4	27.4	34	22.4	91	93	61	66	75	88	79	......
16..	59.98	60.09	60.96	58.82	58.75	59.84	59.74	24.3	24.2	31.4	31.3	28.5	26.5	27.7	34.2	23.3	91	90	61	68	76	86	78.7	......
17..	59.04	59.14	60.31	58.11	59.13	60.19	59.32	24.6	24.1	30.3	32.1	28	26.9	27.7	35.1	23.5	91	91	67	65	81	83	79.7	......
18..	59.07	59.28	60.34	57.66	57.47	59.67	58.92	25.1	24.1	29.8	31.8	29.4	27.8	28	34.4	23.5	91	95	67	63	75	84	79.2	......
19..	59.56	60.31	61.14	59.28	59.38	61.26	60.16	26.9	26	32	32.6	29.5	27.1	29	34.6	25.1	87	90	57	66	73	86	76.5	......
20..	60.80	61	62.09	60.04	59.74	61.22	60.82	26.5	25.5	31.8	32.2	29.5	26.4	28.6	33.7	24.8	87	93	58	57	68	74	72.8	......
21..	61.01	61.27	61.42	58.79	59.40	60.94	60.47	24.6	24	31	32.6	28.5	26.3	27.8	35.7	23.1	78	75	48	57	70	82	68.3	......
22..	60.34	60.49	60.82	58.91	58.95	60.95	60.08	24.1	23.2	31.2	32.4	28.8	27.7	27.9	34.6	22.5	82	86	49	52	72	76	69.5	......
23..	60.68	61.11	61.95	60.09	60.25	61.62	60.95	25.2	25	31.5	32.8	28	26.8	28.2	33.6	24	88	87	63	60	77	80	75.8	......
24..	61.01	61.59	61.80	59.55	59.40	61.18	60.76	24.1	23.1	31.4	30.8	29.3	25.9	27.4	33.6	21.5	91	93	56	69	73	83	77.5	......
25..	60.52	60.83	61.14	58.48	58.82	60.80	60.10	23.6	23.7	32.4	32	29	27.4	28	35.6	22	86	85	59	60	74	77	73.5	......
26..	59.58	59.82	60.55	58.56	59.21	60.52	59.71	24.9	24	32	33	28.1	27	28.2	35	23.3	88	91	56	61	80	84	76.7	......
27..	59.27	59.53	59.56	57.10	57.27	58.72	58.58	25	24.5	32	32.5	29	26.9	28.3	34.2	23.5	93	94	59	60	79	82	77.8	......
28..	58.09	58.43	58.75	56.49	57.12	59.49	58.06	26	25	32.8	30.3	29	27.8	28.5	37.8	23.5	85	88	56	73	78	80	76.7	......
29..	58.49	58.84	59.65	57.81	57.97	59.44	58.70	26.9	25.2	32.4	32.5	29.2	26.9	28.8	34.5	24	77	87	64	62	75	81	74.3	......
30..	59.02	59.30	59.93	58	57.76	59.05	58.84	25.9	25.1	33	32.5	29.9	26.4	28.8	36.5	24.3	82	83	54	59	69	82	71.5	......
Mean	59.56	59.85	60.59	58.46	58.86	60.34	59.61	24.9	24.3	30.8	31.4	28.1	26.3	27.6	33.9	23.2	88	90.2	62.7	65.3	78.2	84	78.1	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	14.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	Calm	W	NNE	N	NE	40.8	45.4	106.2	164.1	356.5	10	....	Cu.-N. NE	1	....	Cu.-N.
2..	NE	NE	NE	NE	NE	NE	130	113.8	119.3	80.3	443.4	10	....	Cu.-N. NE	2	A.-Cu. SW	S.-Cu.
3..	NE	NE	SE	NE	N	N	69.2	40.7	103	69.5	282.4	7	Ci. NE	Cu. E	1	....	Cu.-N.
4..	W	Calm	NW	NE	NE	SE	52.1	45.7	108.1	38.9	244.8	10	....	Cu.-N. N	2	A.-Cu. SW	Cu.-N.
5..	SE	SE	S	NNE	N	N	37.8	72.6	103	60.6	274	7	A.-Cu. W	S.-Cu.	8	A.-Cu. W	Cu.-N.
6..	NE	S	S	N	NE	NE	41.2	47.3	134.2	108.8	331.5	9	....	S.-Cu. S	1	....	Cu.-N.
7..	E	Calm	E	NE	NE	S	37.2	57.7	105.4	36.5	236.8	8	....	S.-Cu. E	1	....	Cu.-N.
8..	Calm	Calm	SE	N	NNW	Calm	22.2	72.7	91.4	50.9	237.2	0	....	....	0	....	....
9..	Calm	SW	S	N	Calm	N	33.5	75	79.1	35.6	223.2	7	Ci. W	S.-Cu.	1	....	Cu.-N.
10..	Calm	Calm	S	N	N	NW	14	69.4	95.3	59.2	237.9	9	Ci. NW	S.-Cu.	1	....	Cu.-N.
11..	NW	N	N	N	SW	SW	54.1	68.9	75	47.3	245.3	9	....	Cu.-N. N	8	A.-Cu. W	Cu.-N. NE
12..	S	S	Calm	NE	SE	SE	36	43.8	103	48.6	231.4	6	A.-Cu. S	Cu. E	8	Ci.-S. W	Cu.-N.
13..	SE	SE	S	N	Calm	Calm	54.9	66.8	63.1	31.9	216.7	0	....	....	8	Ci.-S. W	S.-Cu. SW
14..	SW	S	S	SW	Calm	SW	46.4	89.5	59.8	40.7	236.4	1	A.-Cu. W	S.-Cu.	1	A.-Cu. SW	Cu.-N.
15..	SW	SW	S	NNE	NW	SW	35.9	74.3	86.1	34.8	231.1	0	....	....	1	....	Cu.-N.
16..	Calm	Calm	S	NNE	NE	SW	34.3	52.1	101.9	34.1	222.4	0	....	....	0	....	....
17..	SW	SW	S	N	N	N	41	76.6	87.9	43	248.5	0	....	....	1	....	Cu.-N.
18..	Calm	Calm	S	NE	NE	NW	25.1	49.1	89.5	34.3	198	2	....	Cu. NE	0	....	....
19..	NW	NW	S	NE	NE	W	40.8	45.3	94.3	50.4	230.8	9	....	Cu.-N. NW	1	....	Cu.-N.
20..	Calm	SW	S	NNE	NE	SE	36.5	61.2	107.2	47.3	252.2	6	....	S.-Cu. W	0	....	....
21..	SE	S	SSE	NE	NW	N	69.4	114.5	91.4	74.3	349.6	0	....	....	0	....	....
22..	SW	S	S	N	N	NW	48.6	79.7	83.4	40.7	252.4	0	....	....	0	....	....
23..	Calm	Calm	NW	N	N	N	23.5	47.3	86.1	44.6	201.5	0	....	....	0	....	....
24..	SW	Calm	SE	NNE	NE	SW	38.3	74	110	42.5	264.8	0	....	....	0	....	....
25..	Calm	S	S	NNE	NW	NW	37.3	99.8	95.6	52.1	284.8	0	....	....	0	....	....
26..	Calm	NW	S	N	N	N	30.1	57.1	101.4	60.2	248.8	3	....	Cu. E	0	....	....
27..	Calm	Calm	SE	NNE	N	SW	24.7	53.4	96.1	47.2	221.4	7	....	Cu. N	0	....	....
28..	Calm	SW	S	N	N	N	24.3	69	91.5	34.4	219.2	1	....	S.-Cu.	7	Ci.-S.	S.-Cu. W
29..	W	Calm	N	N	N	W	27.2	53.4	103	45.1	228.7	0	....	....	5	Ci. W	Cu.-N.
30..	W	S	SSE	NNE	NE	NW	40.8	95.3	103.1	46.1	285.3	6	Ci.	....	0	....	....
Mean	......	......	......	......	......	......	41.6	67	95.8	53.5	257.9	4.2	....	....	1.9	....	....
Total	......	......	......	......	......	......	......	......	......	......	7,737	....	....	....	....	....	....

APARRI

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5.64 meters; gravity correction not applied, −1.57 mm.]

MAY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.70	58.94	59.28	57.33	57.82	59.66	58.62	24.8	24.4	32.2	33.5	29.2	27.6	28.6	37.6	22.5	87	84	52	55	73	82	72.2	......
2..	59.62	59.82	60.11	58.84	59.42	61.99	59.97	26.8	26	32	33.4	28.4	27.3	29	35	25.2	86	90	61	62	80	83	77	2.8
3..	61.02	61.22	62.12	60.73	60.77	61.95	61.30	26.8	25.4	24.6	26	26.2	25.1	25.7	28.8	23.3	83	88	92	90	80	88	86.8	20.3
4..	60.71	60.96	62.25	60.82	60.72	61.86	61.22	24.5	24.5	25.2	28.2	26	25	25.6	28.8	23.3	93	93	90	80	84	89	88.2	11.2
5..	61.02	61.27	62.30	60.35	60.26	61.63	61.14	24.8	23.8	28.4	31.6	28.5	27	27.4	32.8	22.7	89	93	80	71	78	80	81.8	......
6..	60.95	61.17	61.64	59.56	59.10	60.70	60.52	24.9	23.7	31.8	31	29.4	26.9	28	32.8	23	90	92	58	71	68	78	76.2	......
7..	59.67	59.85	60.23	57.98	58.49	59.60	59.30	26.2	25.4	32.4	31.6	29.5	27.5	28.8	35.5	24	79	80	52	67	76	81	72.5	......
8..	58.59	58.69	59.15	57.96	58.77	59.95	58.85	26.3	25	32	32	29	27.1	28.6	35.2	24.1	83	88	60	67	79	83	76.7	......
9..	59.06	59.29	59.69	57.64	58.31	59.90	58.98	25.9	24.8	32.9	33	29.6	28	29	35.5	23.7	83	89	54	60	75	79	73.3	......
10..	58.19	58.49	58.93	57.05	57	58.51	58.03	26.7	25	32.5	33.5	29.2	27.2	29	36.4	24.1	83	88	54	60	78	89	75.3	......
11..	57.22	57.52	58.24	56.25	56.89	59.58	57.62	25.4	25	31.3	32.6	28.8	25.6	28.1	34.6	24	93	93	67	66	76	88	80.5	11.9
12..	57.83	58	58.68	56.07	56.79	58.83	57.70	24.5	23.5	29.2	34.4	28.7	26.1	27.7	34.8	21.5	91	94	70	52	77	83	77.8	2.
13..	57.96	58.20	58.75	56.80	57.71	59.70	58.19	25.2	24.1	30.5	32	25.7	25.5	27.2	33.6	23	83	87	65	66	82	80	77.2	1.3
14..	58.50	57.79	58.02	56.54	57.05	57.88	57.63	24.6	23.5	30	31.5	28.2	26.1	27.3	35.1	21.5	85	91	67	66	80	89	79.7	.8
15..	56.99	56.89	57.52	56.48	56.83	58.22	57.16	25	24	31	30	28	26.8	27.5	33.5	23.3	92	94	65	70	79	79	79.8	37.6
16..	57.50	56.88	57.52	56.09	56.90	58.59	57.25	24	24	29	27.9	26.5	24.5	26	32.8	23.2	93	94	76	78	85	93	86.5	6.9
17..	56.95	56.59	56.86	55.57	56.52	57.97	56.74	24	24.3	29.6	29.6	26.5	25.9	26.6	33.6	23.3	96	94	73	77	88	87	85.8	1.8
18..	55.60	55.93	56.62	54.46	55.75	57.39	55.96	25	24.2	29.2	31	23.8	24	26.2	34.3	22.3	92	92	74	70	89	88	84.2	26.7
19..	56.14	56.71	57.49	55.70	56.38	57.24	56.61	23.7	23.8	26.9	27.6	27	25	25.7	27.8	23	92	93	83	82	88	92	88.3	1.3
20..	56.32	56.40	57.77	55.45	56.84	58.32	56.85	24.9	24.8	28.8	33.3	29	25.2	27.7	33.8	24	91	92	78	57	78	94	81.7	4.8
21..	58.18	58.47	58.96	57.13	58.62	60.32	58.61	25	24.5	32	32.8	26.7	25.8	27.8	34.8	24	92	93	68	71	86	88	83	1.8
22..	59.22	58.48	59.30	57.77	58.49	59.57	58.80	25	24.6	30.8	33.3	25.5	25	27.4	34.1	23.7	91	91	72	62	92	90	83	2.8
23..	58.64	58.86	59.37	57.23	57.70	59.17	58.50	24.1	24	29.8	31	29	27.9	27.6	33.6	23.1	93	91	71	65	74	79	78.8	......
24..	57.86	58.24	58.57	56.88	57.95	59.14	58.11	26.2	25.5	31.3	32.4	25.3	24.8	27.6	33.8	24.2	90	93	72	62	89	91	82.8	2
25..	58.03	58.84	59.80	57.47	58.11	59.45	58.62	24.1	24	27.6	31.3	28	26.1	26.8	32.5	23.4	93	93	87	69	85	89	86	......
26..	57.85	57.99	58.20	56.15	56.80	58.33	57.55	25	24.1	30.4	32.2	29	26.7	27.9	34.2	23	89	91	69	66	76	84	79.2	......
27..	57.20	56.79	57.17	55.59	55.70	57.24	56.62	25.1	24.2	31	28.4	25.1	24.9	26.4	31.5	23.4	92	94	71	84	93	92	87.7	4.3
28..	56.43	56.19	56.90	55.50	56	57.36	56.40	24.2	24	29.8	30	26	25	26.5	33.8	23.3	94	93	70	75	88	92	85.3	.5
29..	56.40	56.94	58.08	56.08	56.64	58.62	57.13	24.3	24	28.6	32.9	29.1	24.1	27.2	33.5	23.1	93	94	77	61	81	91	82.8	7.6
30..	57.63	57.74	58.22	57.50	57.55	59.23	57.98	23.4	23.8	29.5	31	28.1	26.1	27	33.6	22.5	95	93	74	72	80	88	83.7	......
31..	58.85	59.07	59.45	57.62	57	59.02	58.50	25.1	25	30.5	32.3	30.3	27	28.4	33.8	24.3	93	93	68	68	77	86	80.8	......
Mean	58.22	58.33	58.94	57.18	57.71	59.26	58.27	25	24.4	30	31.3	27.7	26	27.4	33.6	23.3	89.6	91.2	70	68.5	81.1	86.3	81.1	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	148.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	SW	S	S	NE	NW	N	49.6	119.3	104	67.1	340	0	....	....	0	....	....
2..	Calm	NW	SW	NNE	N	N	24.4	54.1	100.6	67.9	247	10	....	S.-Cu. NW	1	....	Cu.-N.
3..	NE	NE	NE	NE	NE	NE	74.8	153.2	146.7	155.8	530.5	4	....	Cu.-N. NE	10	....	S.-Cu. NE
4..	NE	Calm	S	ENE	ENE	ENE	114	45.4	79.7	89.6	328.7	10	....	N. E	10	....	S.-Cu. E
5..	Calm	Calm	NE	NE	NE	Calm	15.3	56.8	111.6	26.4	210.1	7	A.-Cu. SE	S.-Cu.	2	A.-Cu. SE	Cu.-N.
6..	Calm	Calm	S	NE	E	Calm	27.4	72.7	109.4	38	247.5	0	....	....	1	....	Cu.-N.
7..	Calm	S	SSE	NE	NW	N	43.1	93.6	103.6	58.1	298.4	0	....	....	0	....	....
8..	S	S	S	NNE	N	Calm	43.3	102	100.8	43.1	289.2	10	Ci. N	....	9	Ci. NW	Cu.-N.
9..	S	S	SSE	NE	N	SW	46.4	83.5	99.2	31.7	260.8	0	....	....	2	Ci.	Cu.
10..	SW	S	SSE	NNE	N	Calm	38.9	95	102.4	29.3	265.6	0	....	....	7	Ci.-S. W	S.-Cu.
11..	NW	Calm	S	NNE	N	SW	33.5	54.4	97.2	60.6	245.7	9	Ci.-S. NW	S.-Cu.	7	Ci.-S. NW	Cu.-N.
12..	S	S	S	S	N	SW	55.7	94.8	79.9	43.7	274.1	10	Ci.-S. S	S.-Cu.	10	Ci.-S. NW	Cu.
13..	SW	SW	S	NE	SW	S	44.1	53.4	72.4	56	225.9	10	....	Cu.-N. S	4	A.-Cu. WSW	Cu.
14..	S	S	S	NNW	Calm	SW	65.4	81.3	59	41.6	247.3	2	Ci.-S.	S.-Cu.	9	A.-Cu. W	Cu.-N.
15..	S	S	S	N	NW	SE	72.9	71	90.9	56	290.8	8	Ci.-S. W	S.-Cu.	8	Ci.-S. W	Cu.-N.
16..	Calm	S	S	NNE	W	Calm	20.9	80.7	56.1	34.4	192.1	9	Ci.-S. W	Cu. S	10	....	S.-Cu. SW
17..	S	S	SE	N	Calm	Calm	62.8	101.1	63.1	36.2	263.2	4	A.-Cu. W	Cu. S	10	....	Cu.-N. SW
18..	S	SSE	S	NE	S	SW	72.7	100.6	87.4	29.3	290	6	A.-Cu. W	S.-Cu.	9	Ci.-S. W	S.-Cu. SW
19..	Calm	Calm	S	S	S	S	[a]15.6	74.8?	49.9	66.8	207.1	10	Ci.-S.	S.-Cu.	10	A.-S.	S.-Cu. SW
20..	S	S	S	S	NW	SE	64.7	83.4	91.7	45.7	285.5	10	A.-Cu. SW	S.-Cu.	8	Ci.-S. W	S.-Cu.
21..	Calm	SE	SSE	N	S	Calm	26.6	48.8	74.3	32.7	182.4	10	A.-Cu. NW	S.-Cu.	2	Ci.-S.	Cu.-N. SW
22..	S	S	S	N	SW	S	72.1	58.1	68.1	51.2	249.5	4	A.-Cu. NW	S.-Cu.	7	A.-Cu. W	S.-Cu.
23..	S	S	S	N	N	N	69	64.9	68.1	29.6	231.6	7	Ci.-S. SE	S.-Cu.	9	Ci.-S. E	S.-Cu.
24..	E	Calm	S	N	S	S	28.7	50.9	104.9	55.8	240.3	7	Ci.-S. NW	S.-Cu.	6	A.-Cu. SW	Cu.-N.
25..	S	S	Calm	N	N	NW	60.4	41.8	65.7	35.7	203.6	9	Ci.-S. NW	S.-Cu. SW	8	A.-Cu. W	Cu.-N.
26..	SW	S	S	N	N	SW	47.7	67.6	64.6	31.4	211.3	0	....	....	7	Ci.-S. NW	Cu.-N.
27..	SW	SW	SW	NE	W	S	36.4	44.1	52.6	39.7	172.8	10	....	S.-Cu. S	9	Ci.-S.	S.-Cu. W
28..	S	S	S	N	S	S	61.2	63.6	66.5	38.3	229.6	10	A.-Cu. W	S.-Cu. SW	9	Ci.-S.	Cu.-N. SW
29..	S	S	S	S	N	SE	43	75.1	75.9	69.2	263.2	10	A.-Cu. W	S.-Cu.	10	A.-Cu. W	Cu.-N.
30..	SE	S	S	ESE	SE	SE	37.6	76.2	79.9	30.1	223.8	10	....	S.-Cu. SW	8	....	Cu.-N. SE
31..	Calm	Calm	NE	NE	ENE	Calm	31.4	45.4	61.5	56.3	194.6	10	....	S.-Cu.	10	A.-Cu. W	Cu.-N. SSE
Mean	......	......	......	......	......	......	48.4	74.4	83.5	49.9	256.2	6.6	....	....	6.8	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	[a]7,942.2	....	....	....	....	....	....

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[a] 3 hours missing.

APARRI

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5.64 meters; gravity correction not applied, —1.57 mm.]

JUNE, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	58.72	58.90	59.64	57.90	57.85	59.37	58.73	26	25.2	31.7	32.4	27.6	26	28.2	34.8	24.3	88	90	60	64	83	89	79	......
2..	58.14	57.99	57.85	56.10	56.65	58.47	57.53	25.4	25.5	31.5	32.8	30	26.8	28.7	35.1	24.3	93	92	63	65	78	90	80.2	......
3..	57.42	57.29	57.20	55.53	56.40	58.27	57.02	25.1	25	32.4	33.6	29.5	26.1	28.6	34.7	24	95	93	63	62	75	89	79.5	......
4..	57.03	57.37	57.29	55.50	56.15	57.81	56.86	25.1	25	31	35	29.8	28.1	29	35.8	23.9	92	92	68	54	70	78	75.7	......
5..	57.48	57.85	58.15	56.42	57.27	59.09	57.71	26	25.5	32	35.1	29.5	28.2	29.4	36.7	24	91	94	65	58	71	76	75.8	......
6..	58.56	58.85	58.61	57.03	57.32	59.60	58.33	26.1	25	32.2	33.7	30.8	28.6	29.4	36.2	23.8	88	92	64	65	70	81	76.7	......
7..	59	59.24	59.25	57.42	57.53	59.27	58.62	27	26	33.2	34.3	31.5	27.9	30	35.6	25.1	88	92	59	60	72	81	75.3	......
8..	58.43	58.67	59.03	57.02	56.83	58.60	58.10	26.3	26	32.8	33.3	31	28.1	29.6	36	24.5	88	88	60	62	65	79	73.7	......
9..	56.67	57.24	57.34	55.40	55.15	56.07	56.31	26.7	25.2	32	30.4	30.5	27.8	28.8	33.8	24.5	86	94	67	75	76	84	80.3	1
10..	54.77	54.39	54.53	52.88	52.24	54.42	53.87	26.6	25.4	32.1	33.8	32	27.9	29.6	35.9	24.5	89	95	64	60	55	74	72.8	......
11..	53.77	53.25	53.97	52.48	52.27	54.12	53.31	26.8	25.9	27	32	29	27	28	32.4	24.8	80	85	83	59	71	80	76.3	.3
12..	53.75	52.88	53.10	51.82	52.85	55.07	53.24	25.9	25.5	32.2	36.3	30	26.9	29.5	37	24.6	86	88	54	46	82	85	73.5	1.3
13..	55.75	53.48	54.40	53.12	53.65	55.72	54.35	26	25	32.4	35	30.1	27.9	29.4	36.7	24.3	88	90	57	57	74	83	74.8	5.6
14..	54.66	54.45	54.66	53.63	54.89	56.12	54.74	25.1	25.1	31.4	34.4	28.3	26.9	28.5	36	24.3	94	95	65	59	87	89	81.5	.3
15..	55.37	55.52	55.15	53.97	55.25	56.10	55.23	26	25.4	32.5	34.4	28.5	25.6	28.7	36	24.6	92	93	60	60	85	89	79.8	2
16..	55.97	56.14	56.69	55.03	55.05	57.21	56.02	24.8	24.3	32.3	35	31	29	29.4	36.3	23.5	92	93	61	56	66	72	73.3	......
17..	56.32	56.45	57.25	55.39	55.40	56.37	56.20	27.1	25.2	32.8	35.2	30.7	29.1	30	35.8	24.3	80	88	59	51	70	74	70.3	2.3
18..	55.80	56.02	56.65	54.56	55.45	56.84	55.89	26.8	25.2	32.8	35.5	30.6	24.9	29.3	37	23.6	84	90	56	54	74	92	75	2.5
19..	56.19	56.81	56.55	54.84	55.77	57	56.19	24	24	31.2	34	29.5	28.8	28.6	35.3	23.3	95	94	67	58	78	79	78.5	......
20..	56.24	56.55	56.87	55.62	56.05	57.80	56.52	26	25.2	31	33.6	29.6	26.8	28.7	35.6	24.8	93	96	69	60	76	83	79.5	2.3
21..	57.37	56.62	57.04	56	56.79	58.74	57.09	25.1	25	30.9	30.5	28	26.2	27.6	34.6	24.2	92	93	70	72	82	91	83.3	......
22..	57.68	57.42	57.62	56.37	56.83	58.25	57.36	25.4	25.2	31.2	34.4	30	29	29.2	36.2	24.5	94	90	68	59	71	73	75.8	......
23..	57	57.12	57.51	56.22	56.70	57.66	57.04	25.3	24.5	31	35.6	30.5	29	29.3	36.6	23.5	90	87	65	51	70	74	72.8	......
24..	56.95	56.77	57.20	55.84	56	57.42	56.70	27.1	25.5	32.1	34.5	30.9	28.9	29.8	36.2	24.8	82	90	61	56	67	77	72.2	......
25..	56.16	56.37	56.31	54.64	54.85	56.42	55.79	26.6	25.9	31.6	34.5	30	28.2	29.5	36	24.5	90	93	66	56	75	81	76.8	......
26..	54.58	54.44	55.45	53.50	53.63	54.70	54.38	26.5	25.2	28.5	33	25.7	25.2	27.4	33.7	24	84	90	88	67	93	94	86	23.1
27..	54.50	54.64	55.80	53.95	54.49	57.82	55.20	25	25	30.4	34	28.9	27.1	28.4	35.1	24.2	94	92	70	63	86	87	82	4.8
28..	57.99	58.15	58.14	57.18	57.98	60.18	58.27	25	25	31.3	35.5	29.8	28.8	29.2	35.8	24.2	93	93	64	48	75	77	75	......
29..	59.42	59.72	59.80	57.88	57.74	59.49	59.01	28.2	26.1	32.7	33.4	29.7	28.1	29.7	34.6	25.5	80	94	68	65	77	82	77.7	18.3
30..	58.07	58.18	57.74	56.22	55.27	56.02	56.92	27	25.6	31.4	32.4	29.5	27.8	29	33	24.2	86	93	76	65	75	80	79.2	......
Mean	56.66	56.63	56.89	55.32	55.68	57.33	56.42	26	25.3	31.6	33.9	29.8	27.6	29	35.5	24.3	88.9	91.6	65.3	59.6	75	82.1	77.1	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	63.8

Day.	Wind.											Clouds.				
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.	
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1..	SE	SE	S	NNE	SW	SW	59.8	83.2	91.9	36.4	271.3	0	....	....	5	Ci. NE	Cu.-N.
2..	Calm	S	SSE	NNE	NW	SW	28.5	95.8	93.9	52.8	271	6	Ci.-S. NW	....	7	Ci. N	Cu.-N.
3..	Calm	S	S	N	N	SW	38	45.6	81.9	36	201.5	0	....	....	2	Ci.-S. NW	Cu.-N.
4..	SW	S	S	SE	NW	Calm	58.2	80.2	75.1	46.2	259.7	7	Ci.	S.-Cu. S	0	....	....
5..	W	W	S	NNE	N	NW	33.3	60.2	95.5	64.9	253.9	5	Ci.	....	1	....	Cu.
6..	W	W	S	NNE	NE	W	34.3	60.7	87.7	44.6	227.3	10	Ci.-S. N	....	1	....	Cu. S
7..	Calm	SW	S	NE	NE	Calm	37.3	63	98.2	31.2	229.7	5	Ci.	S.-Cu. SW	1	....	Cu.-N.
8..	Calm	Calm	S	NNE	E	Calm	30.4	63.9	111	30.4	235.7	0	....	....	1	....	Cu.
9..	Calm	SE	NE	NE	NE	Calm	31.7	36	82.1	34.9	184.7	9	....	Cu.-N. SE	8	A.-Cu. E	Cu.-N.
10..	Calm	SE	SSE	S	SE	Calm	29.2	85.6	98.2	61.2	274.2	0	....	....	8	A.-Cu S	Cu.-N. SE
11..	SE	SE	SE	SE	SE	SE	75	140.6	113.3	75	403.9	10	Ci. W	S.-Cu. SSE	10	Ci.-S.	S.-Cu. SSE
12..	S	S	S	S	NW	W	70.8	135.2	109.4	46.5	361.9	8	A.-Cu. S	S.-Cu.	1	....	Cu.
13..	Calm	S	S	N	N	NW	36.5	111	106.8	91.7	346	9	Ci.-S. SW	S.-Cu.	6	Ci.	Cu.-N. S
14..	SW	SW	S	NW	SW	Calm	44.5	83.4	73.4	32.8	234.1	10	Ci.-S. NW	....	8	Ci.-S. E	Cu. SW
15..	Calm	S	S	N	SSE	S	35.4	78.9	75.3	56.8	246.4	7	Ci.-S. NW	....	8	....	Cu.-N. SW
16..	S	S	S	SSE	E	NE	50.2	77.7	73	65.7	266.6	0	....	....	1	....	Cu.-N. SW
17..	SW	S	S	NNW	N	NE	40.5	75	85.6	69.5	270.6	0	....	....	1	A.-Cu. SW	Cu.
18..	S	Calm	S	N	N	Calm	47	50.9	116.2	53	267.1	7	A.-Cu. S	S.-Cu.	1	A.-Cu. SW	Cu.-N.
19..	Calm	S	S	N	N	Calm	30.3	37.3	101.4	59.5	228.5	9	....	Cu.-N. E	1	Ci.-S.	Cu.-N.
20..	Calm	SW	S	N	N	W	35.1	60.9	70.5	40	206.5	10	Ci.-S. SE	S.-Cu.	9	A.-Cu. E	Cu.-N.
21..	S	S	S	N	NW	SW	34.9	67.8	114.8	48	265.5	1	Ci.-S.	....	7	Ci.-S. E	Cu.-N
22..	Calm	S	S	N	NE	NE	36	78.9	83.7	61.5	260.1	2	Ci.-S. SE	....	2	Ci.-S. E	Cu.-N.
23..	S	S	S	N	NE	E	73	87.4	84.5	68.9	313.8	0	....	....	2	Ci.-S. E	Cu.-N.
24..	E	S	S	N	NE	E	57.6	69.2	99.2	61.5	287.5	1	A.-Cu.SW	....	1	Ci.-S. E	Cu.-N.
25..	Calm	S	S	NNW	N	N	35.7	58.5	119.4	72.1	235.7	8	Ci.-S. E	S.-Cu.	8	Ci.-S. E	Cu.-N.
26..	Calm	SW	NW	NNW	NW	WNW	44	50.4	120.7	68.9	284	10	Ci.-S. SW	Cu.	7	A.-Cu. ENE	S.-Cu.
27..	S	S	S	ENE	N	W	80.5	101.7	92.8	72.1	347.1	5	A.-Cu. SE	S.-Cu.	1	Ci.	Cu. S
28..	Calm	Calm	S	S	NW	N	21.4	81.8	99.8	103	306	0	....	....	2	Ci. ENE	Cu. S
29..	NW	Calm	NW	N	N	NW	47.7	57.6	87.9	87.7	280.9	0	....	....	1	....	Cu.-N.
30..	NW	E	W	NW	N	Calm	47.3	49.1	73.4	35.7	205.5	10	....	N.	9	Ci.-S. ESE	Cu.
Mean	......	......	......	......	......	......	44.1	74.2	93.9	57	269.2	5	....	....	4	....	....
Total	......	......	......	......	......	......	......	......	......	......	8,076.7	......	....	....	......	....	....

APARRI

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5.64 meters; gravity correction not applied, −1.57 mm.]

JULY, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	55.21	55.45	54.39	52.79	52.22	52.21	53.71	26.2	25	30.6	32.2	29	28.3	28.6	33.2	24.2	88	92	71	65	81	85	80.3	33.3
2..	50.25	48.83	48.09	48.16	48.78	51.28	49.23	27.2	25	26.6	24.5	22.9	22.5	24.8	27.8	21.5	89	93	95	96	92	90	92.5	101.5
3..	51.73	54.45	55.58	55.81	56.83	57.87	55.38	22.7	23.4	27.1	29	25.7	25	25.5	30.6	22	85	80	72	70	88	86	80.2	......
4..	57.75	58.26	58.67	57.70	59.17	60.22	58.63	24.5	24.4	29.8	32.5	25	24.8	26.8	34.3	22.8	83	80	63	58	86	89	76.5	17.5
5..	59.28	60.18	60.07	58.93	58.72	59.55	59.46	24	23.5	29	32	29	25.1	27.1	33.4	22.6	95	94	77	69	71	86	82	......
6..	59.06	59.68	59.52	58.59	58.97	60	59.30	24	23.2	29.5	31.4	28.9	27.6	27.4	33.2	22.3	87	90	71	63	77	82	78.3	.3
7..	59.22	60.08	60.91	60.01	60	61.15	60.23	25	24.5	25.2	29.6	27.1	25.6	26.2	30.5	23.6	92	94	92	73	80	84	85.8	1
8..	60.11	60.59	61.04	59.84	59.65	60.90	60.36	23.3	23.1	29.8	32.5	29.2	27.1	27.5	33.6	22.5	96	95	73	56	59	70	74.8	......
9..	59.59	59.64	59.97	58.30	58.56	59.77	59.30	24	23.1	30.6	32.5	29.6	28.1	28	33.6	22.7	90	94	62	50	67	70	72.2	......
10..	57.93	58.01	58.75	57.23	57.06	58.10	57.85	25	24	30.4	33.2	29.6	27.8	28.3	34	22.9	88	91	66	53	74	80	75.3	......
11..	57.94	58.13	58.39	57.34	57.62	59.56	58.16	25.7	24.4	31.4	33	29.6	28	28.7	35.1	23.5	89	92	66	55	74	81	76.2	......
12..	59.20	59.48	59.75	58.09	58.65	59.92	59.18	26.4	25.2	31.3	34.8	30.6	28.1	29.4	36	24.8	90	94	68	58	71	79	76.7	......
13..	59.29	59.45	59.80	58.04	58.11	59.72	59.07	27.9	25	31.8	33.9	29.5	27.9	29.3	34.5	24.5	80	93	70	62	73	79	76.2	......
14..	58.91	58.99	59.15	58.09	57.53	58.77	58.57	25.9	25	32	33.3	29.7	27.3	28.9	34.5	24.1	89	93	66	56	73	87	77.3	......
15..	58	58.04	57.87	57.14	56.76	57.86	57.61	25.9	25.2	30.9	33.5	29.5	27.9	28.8	35.5	24.6	93	95	69	57	75	79	78	......
16..	57.34	57.59	58.17	56.95	57.07	57.80	57.49	25.2	25	32.4	33.5	29.5	27.7	28.9	34.6	24.3	94	92	63	58	73	79	76.5	......
17..	57.67	58.14	58.56	57.68	57.66	58.70	58.07	25.2	24.8	30.9	32.8	29.6	27.5	28.5	35	24	94	95	69	61	74	82	79.2	......
18..	58.03	58.19	58.54	57.44	57.17	58.44	57.97	25	24.4	31.8	32.8	29.5	27.7	28.5	34.5	23.5	92	93	61	63	75	79	77.2	1.3
19..	57.82	57.92	58.05	57.20	56.21	57.40	57.43	25.7	24.2	31	30.8	29.9	27.9	28.2	34.1	23.6	88	96	67	70	71	79	78.5	......
20..	57.14	57.24	57.86	57.60	57.39	57.87	57.52	25.9	24.8	31	28.3	26	24.9	26.8	34.6	23.9	91	95	73	80	88	92	86.5	1.3
21..	57.05	57.21	57.44	56.65	56.56	57.15	57.01	23.9	23.8	30	27	28	27	26.6	31.5	22.5	95	95	71	86	85	86	86.3	7.4
22..	56.23	56.46	57.25	55.51	55.53	57.64	56.44	26.1	25	31	32	30	26.1	28.4	33.2	23.7	87	92	75	67	65	83	78.2	.3
23..	56.64	56.81	57.16	55.96	55.64	57.18	56.56	25.1	25	29.4	32.6	28.1	27	27.9	34.1	24.1	89	88	71	60	79	82	78.2	......
24..	55.94	56.09	56.21	54.87	54.93	56.38	55.74	25.5	25	30	27	26.2	24.9	26.4	30.6	24	90	92	71	87	90	94	87.3	14.9
25..	55.83	55.78	56.02	54.65	54.90	56.68	55.64	24.2	24.3	28.6	31.6	28.2	25	27	32.8	23.8	96	96	79	71	74	93	84.8	6.9
26..	56.02	55.39	55.35	53.93	53.05	55.02	54.79	25	24.9	29.6	32.6	29.2	27.8	28.2	33.7	24	93	92	74	66	78	81	80.7	......
27..	53.74	53.24	53.80	52.02	52.14	53.24	53.03	25.9	25	27.5	31.6	28.8	26.5	27.6	33.4	24.5	89	92	87	72	83	89	85.3	1
28..	52.57	52.69	53.16	52.16	52.99	54.06	52.94	24.9	24.8	30.5	31.2	25	24.1	26.8	34	23.3	92	89	69	71	92	95	84.7	23.1
29..	52.32	52.46	52.77	51.66	51.37	52.58	52.19	24	23.9	29.6	29.9	28.9	26	27	31.6	23	94	92	77	75	78	88	84	......
30..	51.47	51.14	51.53	50.08	50.59	50.96	50.96	24.7	24.6	27	26.5	26.2	25.1	25.7	28.2	23.7	92	92	83	91	90	94	90.3	13
31..	50.26	50.21	50.74	49.55	49.72	51.17	50.28	24.9	24.5	27	30.4	28.6	27	27.1	32.5	23.8	94	94	87	71	74	80	83.3	1.3
Mean	56.44	56.64	56.92	55.81	55.86	57.07	56.45	25.1	24.5	29.8	31.2	28.3	26.6	27.6	33.2	23.5	90.5	92.1	72.8	67.4	77.7	84	80.8	....
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	224.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	NW	NW	NW	NW	26.8	62.8	104	151.3	344.9	10	Ci.-S. SE	Cu.	9	Ci.-S. SE	Cu. N
2..	NW	WNW	NW	SSW	S	S	228.2	195	133.8	136.3	693.3	10	....	N. NW	10	....	N.
3..	S	S	S	Calm	Calm	S	104.9	77.2	30.8	26.2	239.1	10	....	S.-Cu. SW	10	Ci.-S.	S.-Cu. SW
4..	S	S	S	SSE	Calm	SE	67.6	75.9	67.6	23.6	234.7	10	Ci.-S. SE	S.-Cu. SW	7	A.-Cu. SW	S.-Cu
5..	Calm	S	S	NE	Calm	Calm	20.4	43.5	30.3	25.4	119.6	10	Ci.-S.	S.-Cu. SW	7	Ci.-S. E	Cu.-N.
6..	S	Calm	S	NE	N	Calm	39.9	43.8	60.6	15.8	160.1	0	....	....	1	Ci.-S.	Cu.
7..	Calm	Calm	S	Calm	Calm	Calm	20.4	29.8	3.2	1	54.4	10	Ci.-S.	S.-Cu.	10	A.-Cu. W	S.-Cu.
8..	S	S	S	NE	N	Calm	18.7	43.5	42.9	5	110.1	0	....	....	0	....	....
9..	Calm	Calm	Calm	N	NW	NW	23.1	20.7	61.4	52.8	158	0	....	....	1	....	Cu.-N.
10..	SW	S	S	N	N	NE	47	85.3	86.1	64.6	283	0	....	....	1	....	Cu.-N.
11..	E	S	S	N	NNE	NE	34.3	52.9	106.2	86.3	279.7	0	....	....	2	Ci.-S. E	Cu.-N.
12..	Calm	S	S	NNE	NW	N	38.6	62.5	94.6	93.6	289.3	1	....	Cu. E	1	....	Cu.-N.
13..	N	W	W	N	N	N	51.2	43.3	99.3	67.6	261.4	0	....	....	2	Ci. E	Cu.-N.
14..	W	W	W	N	N	Calm	38.3	45.1	99.6	45.3	228.3	0	....	....	1	Ci. E	Cu.-N.
15..	Calm	Calm	W	NW	NW	NW	[a]7.7	47.7	110	98.7	264.1	7	Ci.-S. NW	S.-Cu.	8	Ci.-S. W	Cu.-N.
16..	SW	SW	Calm	NNW	NW	NW	41	54.2	132.2	82.9	310.3	0	....	....	0	....	....
17..	Calm	W	NW	N	NW	NW	25.9	43.1	91.7	67.3	228	7	Ci.-S. SW	....	8	Ci.-S. SW	Cu.-N.
18..	W	SW	S	N	N	N	37.3	50.5	93.5	45.9	227.2	9	A.-Cu. SW	S.-Cu.	8	Ci.-S. E	Cu.-N.
19..	NE	ENE	SSE	NE	NE	NE	34.8	48.9	95.8	85.8	265.3	0	....	....	10	Ci.-S.	S.-Cu. SE
20..	Calm	S	NE	S	SE	SE	28.4	50.1	67.4	41.2	187.1	8	Ci.-S. E	S.-Cu.	10	Ci.-S. E	S.-Cu.
21..	S	S	Calm	Calm	Calm	NE	34.9	44	30.1	24.9	133.9	10	A.-Cu.	S.-Cu. E	10	Ci.-S.	S.-Cu. E
22..	SE	SE	SE	NE	E	E	55.3	74.6	102	65.5	297.4	3	Ci.-S.	Cu.	5	Ci.-S.	Cu.-N. SE
23..	E	S	S	NNE	ENE	Calm	39.4	70.2	109.4	47.7	266.7	10	Ci.-S.	....	8	A.-Cu. SE	Cu.-N.
24..	S	S	E	ENE	E	E	27.4	40.5	87.5	50.9	206.3	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	S.-Cu. SE
25..	SE	SE	SE	ENE	E	S	34.4	81.5	115.3	59.5	290.7	10	....	S.-Cu. SE	9	A.-Cu.	Cu.-N. SSE
26..	S	S	S	NE	ENE	E	58.5	88.5	113.3	99.2	359.5	7	A.-Cu. SW	S.-Cu.	7	A.-Cu. SE	Cu.
27..	SE	S	SE	NE	NE	S	39.2	50.1	91.2	61.7	242.2	2	Ci.-S. NW	S.-Cu.	8	A.-Cu. E	Cu.-N.
28..	S	S	Calm	N	S	S	36.5	39.9	78.9	52	207.3	10	A.-Cu. SE	S.-Cu. SE	10	Ci.-S.	Cu.-N. NE
29..	S	S	W	NW	S	Calm	57.1	50.5	36.2	31.4	175.2	10	A.-Cu. NW	S.-Cu.	10	Ci.-S.	S.-Cu. NW
30..	S	S	S	SSW	WNW	S	32.8	94.6	59.8	58.2	245.4	10	Ci.-S.	S.-Cu. SW	10	....	N. WSW
31..	S	S	S	S	SW	S	55.3	85	84.2	51	275.5	10	....	N.	10	Ci.-S.	S.-Cu. SW
Mean	......	......	......	......	......	......	45.3	61.1	81.3	58.7	246.4	5.9	....	....	6.5	....	....
Total	......	......	......	......	......	......	......	......	......	......	[a]7,638	......	....	....	......	....	....

[a] 4 hours missing.

APARRI

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5.64 meters; gravity correction not applied, —1.57 mm.]

AUGUST, 1919

Day.	Atmospheric pressure, 700 mm. +							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	50.39	50.70	51.40	50.79	50.88	53.12	51.21	26.2	26.2	31.4	33.6	30.5	28.1	29.3	34	25.5	82	80	63	54	67	79	70.8	0.8
2..	52.37	52.67	53.67	52.41	52.75	54.69	53.09	26.1	26	30	33.1	29.8	27.5	28.8	34	25.2	93	93	75	58	78	84	80.2	......
3..	53.44	53.76	54.10	52.76	53.09	55.05	53.70	26	25.4	31	32.5	29.5	26.8	28.5	34.4	24.5	90	93	69	69	78	84	80.5	27.9
4..	53.75	53.91	54.49	53.28	53.22	54.61	53.88	24.8	24.1	27.5	29.5	28.7	27.1	27	29.7	23.5	93	96	87	77	83	89	87.5	5.3
5..	53.73	54.08	54.54	52.82	52.54	52.19	53.32	26	25.5	27.1	29.5	27.1	26	26.9	29.6	24.6	94	94	86	77	87	86	87.3	38.9
6..	51.49	51.35	52.31	50.22	48.65	47.99	50.34	25	23.6	24.4	24.4	24.2	23.7	24.2	25.8	22.8	88	93	97	97	95	95	94.2	99.8
7..	46.32	45.75	46.24	44.62	44.75	46.80	45.75	24	23.2	24	23.9	24.3	23.4	23.8	24.8	22.2	94	94	91	92	85	93	91.5	73.6
8..	46.63	47.24	48.39	47.69	48.24	50	48.03	23	23.3	24	25.6	24.2	23.9	24	25.8	22.3	96	96	91	87	94	96	93.3	14.5
9..	49.04	49.74	50.18	50.03	51	52.31	50.38	23.9	24	28.4	31.5	27.3	25.4	26.8	32.3	22.8	95	94	79	62	82	91	83.8	.3
10..	51.16	51.34	52.22	51.18	50.72	51.93	51.42	25	25	30.7	31.4	29	27.4	28.1	33.1	24.3	93	92	70	73	81	82	81.8	.3
11..	51.02	50.69	51.19	49.41	49.98	51.15	50.57	26	25	31.5	32.7	27.4	26	28.1	33.3	24.1	88	92	66	70	85	89	81.7	......
12..	50.05	50.18	50.38	49.20	49.80	50.85	50.08	25.1	25	27.2	30.5	29.9	26.5	27.4	31.8	24.3	94	94	87	77	82	90	87.3	.3
13..	49.93	49.96	51.08	50.81	51.45	53.23	51.08	25.2	25.1	32	33.3	29.5	27.2	28.7	34.4	24.5	90	88	63	58	76	84	76.5	......
14..	52.50	52.99	53.73	52.25	52.83	54.60	53.15	26.1	25.4	31.4	34	29.9	27.9	29.1	34.6	24.5	87	88	66	56	82	78	76.2	......
15..	53.54	53.73	54.31	52.68	53.64	54.97	53.81	26.5	26	31	34.4	29 5	27.4	29.1	35.2	25.2	81	80	62	57	68	73	70.2	......
16..	54.59	55.40	55.91	54.84	56.44	58.11	55.88	26.1	26.1	31.4	34.5	30.3	27.9	29.4	35.2	25	80	79	59	49	73	77	69.5	......
17..	56.42	57.65	57.61	56.12	57	59.02	57.30	26.1	26	31.5	33.8	27	25.8	28.4	35	23.5	84	80	60	60	81	85	75	7.3
18..	57.40	57.49	57.80	55.83	57.58	59.14	57.54	24.8	24	30.4	31.8	24.6	24.1	26.6	33.8	22.5	90	93	69	69	94	92	84.5	3.8
19..	58.13	57.71	58.17	57.03	57.37	58.07	57.75	23.1	22.9	28.8	32.3	28.7	27.5	27.2	33.4	22	95	95	76	66	80	84	82.7	9.7
20..	55.71	54.38	53.80	48.65	45.09	46.80	50.74	26.5	26.6	25	27.4	26.5	26.3	26.4	28.6	23.8	92	90	93	81	85	83	87.3	24.9
21..	49.25	52.24	54.73	54.29	55.45	58.04	54	26.9	26	30.6	30	27.2	26.2	27.8	32.2	25.1	79	85	74	73	79	84	79	.5
22..	57.24	57.38	57.92	56.46	57.45	59.17	57.60	25	24.5	30.9	30.4	29.2	26.3	27.7	33.3	23.8	91	92	65	73	82	90	82.2	......
23..	58.10	57.69	58.25	56.43	56.05	57.25	57.30	25.1	24.4	28.4	31	28.2	26.9	27.3	32.2	23.4	92	94	78	75	79	83	83.5	......
24..	55.53	54.56	54.25	51.93	51.56	51.89	53.29	25.7	24	30.7	31	28.9	26.9	27.9	32.3	23.1	88	92	64	66	71	79	76.7	......
25..	49.24	49.05	50.11	48.49	49.45	51.68	49.67	26	26	29.5	32.9	28.8	26.9	28.4	33.6	24.6	80	76	67	58	65	75	70.2	......
26..	52	52.99	54.30	53.63	55.42	56.65	54.16	26.8	25.3	32	34.4	26.2	25	28.3	35.3	24.4	73	81	61	52	85	89	73.5	2
27..	56.14	56.40	56.66	55.87	57.12	58.39	56.76	25	24.6	29.5	32.5	24	23.5	26.5	34.3	23	89	91	70	60	94	92	82.7	35.6
28..	57.20	56.94	58.33	56.59	56.77	57.89	57.29	23.1	23	27.6	31	27.8	24.9	26.2	31.8	22.2	93	94	77	69	82	92	84.5	......
29..	56.78	56.91	56.98	55.40	55.19	55.82	56.18	24	23.7	28.5	28	26	26.3	26.1	30.4	22.8	94	94	80	81	92	91	88.7	15.4
30..	54.25	53.59	53.66	51.60	50.85	51.80	52.62	26.4	25.6	27.4	27.8	25.9	26.5	26.6	30	24	90	95	89	86	93	88	90.2	31.3
31..	50.25	51	51.75	50.74	50.71	52.04	51.08	26	24.8	24.6	25.9	26	24.1	25.2	27.4	23.3	89	93	94	88	92	92	91.3	21.6
Mean	53.02	53.21	53.82	52.39	52.68	54.04	53.19	25.3	24.8	29	30.8	27.6	26.1	27.3	32	23.8	88.9	90	75.1	70	82.3	86.1	82.1	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	413.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	S	S	S	SW	S	S	75	90.1	73	44.8	282.9	4	Ci. NW	S.-Cu. SW	10	....	S.-Cu. SW
2..	S	S	S	SW	N	N	34.1	43.8	56.5	31.4	165.8	10	....	S.-Cu. SW	9	A.-Cu. SW	S.-Cu.
3..	SW	S	S	NE	NNE	S	44.6	78.1	71.8	74.6	269.1	3	Ci.-S. E	....	9	A.-Cu. E	Cu.-N. SW
4..	S	S	S	S	Calm	Calm	56.9	51.8	39.6	16.1	164.4	10	....	S.-Cu. E	10	Ci.-S.	S.-Cu.
5..	S	S	S	S	S	S	30	59.2	54.9	40.2	184.3	10	....	S.-Cu. NW	10	Ci.-S.	S.-Cu. NW
6..	S	S	Calm	SW	S	S	77.4	43	78.7	108.8	307.9	10	....	N.	10	....	N.
7..	S	SSE	S	S	S	S	152.1	161.7	149.7	119.1	582.6	10	....	S.-Cu. SW	10	....	N.
8..	S	S	S	S	S	S	88.8	85.6	55	37.6	267	10	....	N.	10	....	S.-Cu. SW
9..	S	S	S	S	SW	SW	49.9	64.4	67	49.9	231.2	10	....	S.-Cu. SW	10	A.-Cu. SW	S.-Cu.
10..	S	S	S	NW	NW	Calm	51.5	44.9	56	19	171.4	10	A.-Cu. sw	S.-Cu. SW	9	A.-Cu.	Cu.-N. SW
11..	Calm	Calm	Calm	NNW	SW	S	22	45.4	107.6	51.5	226.5	7	Ci.-S. NW	S.-Cu.	1	....	Cu.-N.
12..	S	Calm	S	NW	Calm	S	26	47.2	46.1	48.5	167.8	10	....	S.-Cu. NW	10	A.-Cu.	S.-Cu. SW
13..	S	S	SW	WNW	NW	Calm	63	72.1	105.6	47.3	288	10	Ci.-S.	S.-Cu. W	8	A.-Cu. W	S.-Cu.
14..	S	S	S	SSW	Calm	E	46.5	43.3	67.4	36	193.2	10	Ci.-S.	S.-Cu. SW	10	Ci.-Cu. sw	Cu. SW
15..	SE	S	S	S	SW	SW	69.8	74.8	83.7	61.8	290.1	7	A.-Cu. S	S.-Cu.	9	A.-Cu.	Cu.-N. SW
16..	SW	S	S	SW	NW	SW	43.5	72.4	69.5	44.5	229.9	10	....	S.-Cu. SW	9	Ci.-Cu. sw	Cu.
17..	S	SW	S	NE	SE	SW	57.6	50.9	67.9	35.1	211.5	10	Ci.-S.	S.-Cu. SW	5	A.-Cu. SW	Cu.
18..	S	SW	E	NE	SW	Calm	64.4	63.4	104.6	45.6	278	2	A.-Cu. W	S.-Cu.	9	Ci.-S. E	Cu.-N.
19..	S	S	S	NE	N	N	60	57.6	82.7	71.3	271.6	8	....	Cu. S	5	A.-Cu. E	Cu.-N.
20..	N	N	NE	NE	NE	E	143	249.4	357.2	318.9	1,068.5	10	....	Cu.-N. NE	10	....	N. ENE
21..	E	ESE	SE	ESE	S	SE	179.1	78.7	48	63.3	369.1	10	....	S.-Cu. SE	10	....	S.-Cu. SE
22..	S	S	S	NNE	Calm	Calm	54.5	53.7	72.1	24.1	204.4	10	Ci.-S. W	S.-Cu.	9	Ci.-S.	Cu. SE
23..	Calm	NW	W	NNW	NW	NW	25.2	32.7	126.5	120.7	305.1	0	....	....	9	A.-Cu. NE	Cu.
24..	W	W	NW	NW	NW	W	46.4	96.6	153.5	54.1	350.6	2	Ci.-S. E	Cu.	7	Ci. E	Cu. NW
25..	SW	SSW	S	WSW	S	S	44.1	88.8	78.3	109.1	320.3	10	Ci.-S.	S.-Cu. W	10	A.-Cu. W	S.-Cu. SW
26..	S	S	S	S	SE	SE	87.2	93	85.3	56.3	321.8	10	A.-Cu. sw	S.-Cu.	10	Ci.-Cu.	Cu.-N. SW
27..	SE	SE	S	SE	Calm	SW	63.8	82.7	63.8	43.8	254.1	10	A.-Cu. sw	S.-Cu.	10	....	Cu.-N. SW
28..	SW	SW	Calm	NNE	N	SW	48	29.6	78.9	48	204.5	7	A.-Cu. sw	S.-Cu.	5	A.-Cu. SW	Cu.-N.
29..	Calm	SW	SW	NW	N	NNW	29.3	44.8	89.6	107.1	270.8	1	A.-Cu. E	S.-Cu.	10	....	N. NNE
30..	N	NNW	NW	NW	NW	NW	160.9	156.4	170.9	196.9	685.1	10	....	N. N	10	....	S.-Cu. N
31..	NW	W	SW	SSW	SW	Calm	213	112	66.3	40.2	431.5	10	....	N.	10	Ci.-S.	S.-Cu. W
Mean	......	......	......	......	......	......	71.2	76.4	91.2	69.9	308.7	8.1	....	....	8.8	....	....
Total	......	......	......	......	......	......	......	......	......	......	9,569	......	....	....	......	....	....

APARRI

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5.64 meters; gravity correction not applied, −1.57 mm.]

SEPTEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	51.65	51.78	51.79	50.95	52	53.68	51.98	24.1	23.9	28.7	33.1	30.6	27	27.9	33.5	22.7	85	84	69	49	60	74	70.2	......
2..	54.16	54.61	55.79	54.49	56.98	58.69	55.79	25	24	30.4	33.8	24.8	23.7	27	34.7	22	84	87	66	49	93	96	79.2	39.6
3..	58.04	57.68	59.08	58.57	59.27	61.01	58.94	23.3	23	29.4	31.1	28	26.1	26.8	34.4	22.1	95	94	72	71	80	89	83.5	......
4..	59.35	59.59	60.72	59.10	59.74	61.09	59.93	25	24.3	27.8	31.4	28.9	26.8	27.4	32.2	23.4	92	93	76	65	78	82	81	......
5..	59.64	59.51	60.28	58.46	58.04	59.49	59.24	24.5	23	28.7	31.6	28.6	27	27.2	33.1	22.1	89	91	73	56	79	85	78.8	......
6..	58.45	58.59	59.03	57.26	57.04	58.52	58.15	24.9	24.4	28.9	31.6	28.5	25.7	27.3	33.3	23.7	97	95	74	62	75	86	81.5	1.8
7..	56.92	56.55	57.67	55.98	56.35	58.01	56.91	25	24.8	28.5	32.3	28.4	26.5	27.6	33.1	24	94	95	81	64	82	86	83.7	3.1
8..	56.83	56.92	57.95	56.68	56.59	58.17	57.19	25.1	24.2	29.4	32.4	28.4	26.1	27.6	33	23.5	91	94	75	61	78	87	81	......
9..	57.54	57.74	58.40	56.75	56.97	58.46	57.64	25	23.1	30.4	32	28.5	27	27.7	33.6	22.5	88	95	68	67	81	86	80.8	......
10..	57.67	57.82	58.31	56.35	56.75	58.15	57.51	25.3	24.7	30.8	31.4	28	26.8	27.8	33	23.8	94	95	71	63	74	80	79.5	......
11..	56.64	56.45	57.34	55.85	55.21	56.47	56.33	26	24.7	26.4	30.3	27.2	26.3	26.8	31.5	23.5	84	92	90	66	77	82	81.8	25.5
12..	55.61	55.64	55.56	54.12	54.32	55.12	55.06	26	23.8	27.5	30.3	27.6	26.4	26.9	31.1	22.6	82	93	85	70	76	84	81.7	11
13..	54.19	54.30	54.72	53.65	55.14	56.89	54.82	24.2	25.2	29.6	30.6	24.1	23.1	26.1	32	22.2	95	87	73	67	91	95	84.7	4.6
14..	56.04	56.20	57.15	55.60	56.43	58.14	56.59	22.9	23	29	29.4	26.5	26	26.1	30.2	22	95	94	71	70	76	78	80.7	......
15..	57.60	57.43	58.30	57.05	57.35	59.39	57.85	25.3	24.1	30.6	28.5	26.2	24.5	26.5	30.7	22.4	82	91	68	67	65	75	74.7	......
16..	58.84	59.01	59.60	57.95	59.12	61	59.25	22.9	22.5	29	29.3	26.7	25	25.9	32.1	21.6	85	87	61	66	77	84	76.7	3.4
17..	60.39	60.61	61.55	59.96	60.71	61.70	60.82	23	23.1	27	28	26.2	26	25.6	30.3	22.2	94	93	75	73	79	78	82	......
18..	60.99	61.57	62.67	60.90	61.07	62.08	61.55	24.7	24	26.8	29.2	26.1	25.1	26	30.5	22.9	87	91	83	71	74	80	81	1.3
19..	61.46	61.69	62.72	60.60	60.26	61.45	61.36	23.9	23	23.8	28	25.1	24.9	24.8	28.7	22.2	86	91	93	73	79	80	83.7	4.3
20..	60.29	60.44	61.12	59.16	59.51	61.30	60.30	24.2	23.5	28.5	30	26.1	25.1	26.2	30.8	22.3	85	89	64	57	70	75	73.3	......
21..	60.51	60.07	61.15	59.11	59.41	61.55	60.30	24.9	23	27	27.5	26.8	25.9	25.8	29.7	22.1	76	90	73	73	74	77	77.2	......
22..	60.62	60.81	61.80	59.82	59.61	61.13	60.63	23.1	23	28.	28.9	26.1	25.5	25.8	30.7	21.8	92	91	69	71	76	78	79.5	.5
23..	60.01	60.12	60.90	59.15	59.45	61.15	60.13	25	23	29.5	31	26.8	25	26.7	33.3	22.3	81	94	60	59	71	78	73.8	......
24..	59.98	59.94	60.82	59.46	59.82	60.98	60.17	22.7	22.1	28.2	30	27.8	25.4	26	31.8	21	92	93	69	62	73	81	78.3	......
25..	60.26	60.49	61.56	60.25	59.72	61.32	60.60	23.2	22.8	29.4	29.6	27.9	26.1	26.5	32.2	21.6	92	93	66	73	78	85	81.2	......
26..	61.01	61.22	61.49	59.24	58.90	60.42	60.38	24.3	24	28.9	32	28	26.1	27.2	33	23	94	93	74	66	77	85	81.5	......
27..	60.03	60.44	60.84	58.75	58.55	60.12	59.79	23.8	23.5	30.8	32.4	27.8	26	27.4	33.3	22.5	95	96	64	60	79	85	79.8	......
28..	59.49	59.59	59.96	58.11	58.20	59.70	59.18	24	23	29.9	31.9	28.1	25.4	27	32.8	21.9	93	92	62	58	77	89	78.5	......
29..	59.50	59.72	60.06	57.86	58.75	59.84	59.29	24.9	24	30.8	32.4	28	26.9	27.8	33.8	23.1	91	91	61	63	75	81	77	......
30..	59.52	59.89	60.11	57.85	58.36	59.52	59.21	24.5	23.2	30.6	32	27.8	26.4	27.4	33.5	22.5	92	96	65	60	77	81	78.5	......
Mean	58.44	58.55	59.28	57.63	57.99	59.48	58.56	24.4	23.6	28.8	30.7	27.3	25.8	26.8	32.2	22.5	89.4	92	71.7	64.4	76.7	82.7	79.5	......
Total	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	......	95.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	S	S	S	S	S	S	66	106.2	99.3	88	359.5	10	Ci.-S. NW	S.-Cu. W	8	Ci.-S. ENE	Cu. WSW
2..	S	S	S	SSW	SSE	SE	61.7	76.7	93.6	67.1	299.1	2	A.-Cu. W	S.-Cu.	5	....	Cu. SW
3..	Calm	SSE	S	NNE	NE	W	47.7	58.9	84.5	33	224.1	5	Ci.-S. SE	S.-Cu.	7	Ci.-S. E	Cu.-N.
4..	SW	S	S	N	NW	Calm	41	51.2	89.8	34.9	216.9	9	A.-Cu. S	S.-Cu.	1	....	Cu.-N.
5..	SW	S	S	N	NW	NW	57.1	72.2	92.2	112.7	334.2	0	....	....	0	....	....
6..	Calm	Calm	S	NW	NW	NW	24.7	38	98.2	63.4	224.3	1	....	S.-Cu.	7	A.-Cu. E	Cu.-N.
7..	Calm	Calm	Calm	N	NE	Calm	25.4	30.3	71.4	34.8	161.9	6	Ci.-S. E	Cu.	7	A.-Cu. E	Cu. NE
8..	SE	SE	S	NNE	NE	Calm	33.8	43.5	101.7	73.4	252.4	1	Ci.-S.	S.-Cu.	1	....	Cu.-N.
9..	Calm	S	SE	NNE	NE	ENE	32.8	45.7	121.3	90.7	290.5	0	....	....	0	....	....
10..	Calm	Calm	NE	NE	NE	NE	16.7	43.8	115.1	72.6	248.2	2	Ci. NE	Cu.	5	Ci. SE	Cu.-N.
11..	NE	W	Calm	NE	NNE	NNE	40.2	36	98.5	96	270.7	10	....	Cu.-N. NE	9	Ci.-S. SE	Cu.
12..	Calm	SSW	W	N	NE	N	59.8	62.8	104.6	78.9	306.1	10	....	N. N	8	Ci.-S.	Cu.-N. NE
13..	SW	N	NW	N	Calm	S	38.1	52.6	95.6	55.3	241.6	10	Ci.-S. SE	Cu.-N. NE	10	Ci.-S.	Cu. N
14..	S	S	SE	NE	NE	NE	45.9	34.9	83.4	86.3	250.5	10	A.-Cu. SW	S.-Cu.	10	A.-Cu. W	S.-Cu.
15..	NE	Calm	ENE	E	ENE	S	38.3	66.6	114	62.5	281.4	10	....	S.-Cu. SE	10	....	S.-Cu. SW
16..	S	Calm	S	NE	ENE	ENE	41.6	48.1	92.3	140	322	10	A.-Cu. SW	S.-Cu.	10	....	S.-Cu. SE
17..	NE	E	SE	NE	ENE	ENE	72.7	32.8	112.1	107.5	325.1	10	....	S.-Cu. E	10	....	S.-Cu E
18..	Calm	SE	N	ENE	NE	E	24.1	51.7	89.3	94.1	259.2	10	....	Cu.-N. ENE	9	....	Cu.-N. E
19..	E	Calm	NE	NE	ENE	E	72.6	51.7	85	106	315.3	10	....	S.-Cu.	10	....	Cu.-N. ENE
20..	E	SE	ENE	NE	NE	NE	41.8	48.5	75	62.6	227.9	10	....	Cu.-N. ENE	9	A.-Cu. SE	S.-Cu.
21..	NE	SE	S	E	NE	ENE	29.8	49.9	55.3	85	220	10	....	S.-Cu. E	10	....	S.-Cu. E
22..	S	Calm	S	NE	ENE	ENE	35.7	40.7	94.1	91.4	261.9	10	....	S.-Cu. E	7	A.-Cu. SW	Cu.-N.
23..	NE	SE	S	NNE	ENE	ENE	52.5	48.9	115.9	98.4	315.7	0	....	....	0	....	....
24..	E	SE	Calm	NNE	ENE	E	35.2	41.2	80.5	80.5	237.4	10	A.-Cu. W	S.-Cu.	7	Ci.-S. W	Cu.
25..	NE	Calm	SE	NE	ENE	ENE	27.9	43.7	95.6	81.8	249	0	....	....	10	....	S.-Cu. E
26..	Calm	ENE	NE	NE	NE	E	20.7	55.3	126.3	68.1	270.4	10	....	S.-Cu. E	1	....	Cu.
27..	Calm	Calm	E	NE	NE	ENE	17.9	50.5	113	72.7	254.1	0	....	....	0	....	....
28..	Calm	SE	SE	NE	NE	W	21.2	61.2	92.3	34.6	209.3	1	Ci.-S. SE	....	0	....	....
29..	Calm	SW	S	NE	NNE	Calm	35.9	65	93.3	41.6	235.8	0	....	....	0	....	....
30..	SW	Calm	SE	NNE	NE	ENE	41	55.5	122.5	113.5	332.5	0	....	....	0	....	....
Mean	......	......	......	......	......	......	40	52.1	96.9	77.6	266.6	5.9	....	....	5.7	....	....
Total	......	......	......	......	......	......	......	......	......	......	7,997	......	....	....	......	....	....

APARRI

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5.64 meters; gravity correction not applied, −1.57 mm.]

OCTOBER, 1919

Day.	Atmospheric pressure, 700 mm. +							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	59.39	59.49	59.61	58.05	58.27	59.80	59.10	23.1	23.2	30.3	32	28	26.2	27.1	33.7	22	95	92	62	63	77	83	78.7	......
2..	58.48	58.39	58.82	56.85	57.13	58.61	58.05	25.5	23.8	30.9	32.2	28	26.9	27.9	33.6	22.7	87	93	65	60	72	77	75.7	......
3..	58.12	58.07	59.16	56.99	56.81	57.92	57.84	26.1	24.3	25.4	31.1	27	26.1	26.7	31.7	23	79	89	89	65	77	79	79.7	4.1
4..	57.88	57.79	58.75	56.70	56.97	58.40	57.75	24.1	23	29.8	31.4	27.8	26.9	27.2	33.2	22	88	91	67	63	77	80	77.7	.8
5..	57.70	57.74	58.70	56.68	57.05	58.71	57.76	24.8	24.1	28.5	32	28	27	27.4	33.7	23.4	92	93	81	60	76	80	80.3	.8
6..	58.10	58.34	59.39	57.08	57.62	59.74	58.38	25.5	24.3	28.8	32.5	28	26.9	27.7	33.3	23.5	88	95	78	60	77	83	80.2	1.3
7..	59.11	59.57	60.61	59.10	59.54	60.90	59.80	26.1	24.9	31	31.1	27.1	26.5	27.8	33.2	23.8	85	92	71	64	72	77	76.8	......
8..	59.85	59.39	59.75	57.82	57.82	58.49	58.85	26	26	28.7	26.1	25.1	24.8	26.1	30.6	24	81	80	75	91	91	92	85	199.6
9..	57.59	57.66	59.19	57.08	57	57.99	57.75	24.1	24.1	23.8	25.1	25.2	25	24.6	26.2	22.6	95	95	97	96	96	96	95.8	54.1
10..	57.33	57.56	58.34	56.40	56.89	57.99	57.42	24.5	24.3	25.3	28.1	26	25.1	25.6	29.5	23.2	96	96	96	88	92	93	93.5	4.9
11..	57.73	58.09	58.87	56.91	57.81	59.42	58.14	24.2	24	29.8	31	27.5	25.3	27	32	23	96	95	78	69	82	92	85.3	......
12..	59.45	59.48	60.80	58.81	59.31	61.50	59.89	25	24.2	30	31.5	28.3	26.5	27.6	32.8	23.5	90	94	72	69	82	90	82.8	......
13..	60.63	61.29	61.75	59.78	60.01	62.02	60.91	24.9	24	30.6	31.5	27.4	26.1	27.4	32.6	23	92	93	75	72	82	89	83.8	......
14..	60.11	60.41	60.86	58.59	58.52	60.72	59.87	25.7	24.1	31	30.6	27.2	25.7	27.4	32	23.1	91	95	72	70	81	88	82.8	.8
15..	58.97	58.88	59.27	56.91	56.91	58.95	58.32	24.4	23.2	28.1	31.3	27.1	25.4	26.6	32	22.5	92	94	80	71	83	91	85.2	12.7
16..	58.25	59.19	59.58	56.44	57.02	58.51	58.16	24.1	24	24.5	27.6	26	24.1	25	28.7	22.6	95	95	96	79	90	95	91.7	10.2
17..	57.66	58.45	59.12	56.61	57.41	58.75	58	23.9	23.5	29	30.6	27	26.1	26.7	32	22.6	95	96	76	74	88	91	86.7	......
18..	57.79	57.82	59.08	56.89	57.38	59.22	58.03	25.1	25	25.9	26.8	25.7	25.2	25.6	27.7	24.1	94	93	95	90	94	94	93.3	23.1
19..	58	58.49	59.10	56.96	58.51	59.61	58.44	25	24.2	30	30.5	26.7	25.8	27	31.7	23.5	92	96	80	75	86	90	86.5	6.1
20..	59.10	59.40	60.91	59.21	60.42	62.01	60.18	25.2	24.6	27.4	29	25.8	25.7	26.3	31.1	23.6	88	91	73	68	82	80	80.3	......
21..	61.31	61.52	62.16	60.06	60.97	62.59	61.44	23.3	22.2	27.9	28.5	24.6	23.4	25	30.3	21.5	92	94	75	70	91	95	86.2	5.7
22..	61.46	61.39	61.72	59.82	59.97	61.25	60.94	23	22.9	27.3	27.6	26.1	24.9	25.3	30	22	95	95	78	79	83	88	86.3	......
23..	60.38	60.57	61.65	59.56	59.90	61.82	60.65	24.1	23.7	28.4	30.5	27	24.7	26.4	32.1	22.8	92	94	70	70	88	95	84.8	30
24..	61.31	61.92	62.72	60.38	60.81	62.01	61.52	24	23	25	25	24.9	25	24.5	27.4	22.2	93	94	88	83	84	83	87.5	4.6
25..	61.14	61.26	62.21	59.95	60.30	61.73	61.10	25	24.9	28.2	28.6	26	25	26.3	30.5	23.6	83	84	76	73	84	88	81.3	4.1
26..	61.04	61.27	62.07	59.91	60.13	61.57	61	24.2	23.2	25.8	25.8	24.4	23.4	24.5	29.3	22.6	92	96	95	92	95	94	94	11.7
27..	61.03	61.39	62.25	60.07	60.35	61.66	61.12	23	22.4	26.8	29.1	26.2	25.2	25.4	30.3	21.3	94	95	86	81	90	93	89.8	......
28..	60.53	60.63	61.62	59.45	59.89	61.50	60.60	24.4	23.6	29	30	26.5	26	26.6	31.5	22.4	94	95	77	77	85	85	85.5	......
29..	60.82	61.17	61.85	59.85	60.57	62.16	61.07	24.9	23.9	29.5	30.3	26.8	26.1	26.9	32	22.8	92	93	77	76	84	89	85.2	......
30..	61.22	61.46	61.90	59.82	60.05	61.25	60.95	25.3	24.6	27.3	27.4	26.4	25	26	30.7	23.2	93	93	86	87	90	94	90.5	6.4
31..	60.69	60.87	61.72	59.61	60.13	61.63	60.78	24	24	25.6	27.8	26	25.6	25.5	29	22.5	96	93	95	87	92	90	92.2	21.4
Mean	59.42	59.64	60.44	58.33	58.76	60.27	59.48	24.6	23.9	28.1	29.4	26.6	25.5	26.4	31.1	22.9	91.2	93	80	74.9	84.6	88.2	85.3	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	402.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	NE	NE	SW	NNE	NE	ENE	33.3	43.5	98.7	75.8	251.3	0	....	....	1	....	Cu.
2..	NE	ENE	NE	N	NNE	NE	33.5	40.5	64.4	104.9	243.3	0	....	....	0	....	....
3..	N	N	NE	NNW	N	NW	59.5	49.3	62.2	72.4	243.4	7	Ci.-S. NE	Cu.	7	Ci. SE	Cu. NE
4..	W	W	NW	NW	NNW	N	47.2	57.7	102.8	85.9	293.6	8	Ci. E	S.-Cu.	7	Ci.-S. E	Cu.
5..	W	SW	Calm	NE	NE	NE	31.6	34.9	82.7	59	208.2	10	Ci. NE	S.-Cu.	1	Ci.	Cu.
6..	NE	Calm	E	NE	ENE	ENE	29.5	56	103.6	137.8	326.9	10	....	Cu.-N. E	1	A.-Cu. E	Cu.
7..	NE	SE	E	NNE	NE	NE	78.3	64.4	143.8	109.4	395.9	10	....	Cu.-N. E	1	Ci.-S.	Cu. NE
8..	NE	NE	NE	NE	E	ENE	99.2	111.3	122	122	454.5	7	Ci. SE	Cu. NE	10	....	Cu.-N. NE
9..	E	ENE	Calm	NE	ENE	NE	104.9	41.5	72.4	96.6	315.4	10	....	N. ENE	10	....	S.-Cu. ENE
10..	E	ENE	Calm	E	E	Calm	28.4	21.7	69.7	39.6	159.4	10	....	N.	9	A.-Cu. SE	S.-Cu. E
11..	Calm	Calm	E	SE	Calm	SE	17.4	62.5	75.3	33.8	189	10	Ci.-S. E	S.-Cu. SE	9	....	S.-Cu. SE
12..	SE	SE	S	NE	Calm	Calm	37.3	62.8	67.6	18.7	186.4	10	Ci.-S. E	S.-Cu.	4	Ci.-S.	Cu.
13..	Calm	Calm	ENE	NE	NE	ENE	15.6	44.6	106.2	114.3	280.7	6	Ci. E	S.-Cu.	5	Ci. E	Cu.
14..	NE	Calm	ENE	ENE	ENE	Calm	47	39.9	93.3	53.7	233.9	1	Ci.	Cu.	7	....	Cu.-N. ENE
15..	Calm	Calm	Calm	E	ENE	Calm	27.2	28.2	85.6	74	215	10	Ci.-S. E	S.-Cu.	8	Ci.-S. E	Cu.-N. E
16..	Calm	E	E	SE	SE	SE	22.3	67.1	65.4	35.7	190.5	10	....	N. E	10	Ci.-S.	S.-Cu. E
17..	Calm	Calm	Calm	NE	NE	ENE	25.2	37.8	84.5	49.9	197.4	10	Ci. W	Cu.	5	Ci.-S. W	Cu. ENE
18..	Calm	Calm	Calm	NE	NE	ENE	33.2	34.3	76.9	62.5	206.9	9	....	Cu.-N. E	10	....	S.-Cu. ENE
19..	Calm	SW	NE	NE	ENE	E	36.7	39.6	108.8	94.8	279.9	10	Ci. NE	S.-Cu. E	7	Ci.-S.	Cu. ENE
20..	E	ENE	ENE	NE	ENE	ENE	75.4	121.7	126.9	104.4	428.4	10	....	Cu.-N. ENE	10	....	S.-Cu. ENE
21..	Calm	Calm	Calm	ENE	Calm	SE	27.7	39.2	108	40	214.9	6	....	Cu.-N. E	9	....	Cu.-N. ENE
22..	Calm	SE	Calm	E	Calm	Calm	35.4	34.8	59.2	15.5	144.9	10	....	S.-Cu. E	10	....	S.-Cu. SE
23..	Calm	Calm	SE	N	NE	N	14.3	46.2	103	178.6	342.1	7	A.-Cu. SE	S.-Cu.	1	....	Cu.
24..	NE	NE	NE	NE	ENE	NE	217.5	169.4	159.1	118.1	664.1	3	....	Cu.-N. NE	10	....	Cu.-N. NE
25..	NE	NE	NE	ENE	NE	E	93	93.9	119.1	68.9	374.9	10	....	Cu.-N. NE	10	....	S.-Cu. E
26..	E	Calm	NW	E	Calm	Calm	30	51.8	57.6	23.5	162.9	7	....	Cu.-N. E	10	....	N. E
27..	Calm	Calm	Calm	NE	NE	ENE	23.5	32.8	83.5	85.5	225.3	0	....	....	6	A.-Cu. S	Cu.-N. SE
28..	Calm	Calm	NE	NNE	NE	ENE	13.2	37.6	110.8	72.4	234	0	....	....	1	A.-Cu. SE	Cu.-N.
29..	Calm	Calm	ENE	NE	ENE	ENE	12.7	42.8	102.7	73	231.2	10	....	S.-Cu. E	2	A.-Cu. E	Cu.-N. E
30..	Calm	Calm	ENE	NE	Calm	ENE	16.3	40.4	56.3	35.9	148.9	8	....	S.-Cu. E	10	....	S.-Cu. E
31..	SW	Calm	Calm	N	ENE	SE	32.2	23	93.3	101.2	249.7	8	A.-Cu. SE	S.-Cu.	10	Ci.-S.	S.-Cu. E
Mean	......	......	......	......	......	......	45.1	53.9	92.4	76.1	267.5	7.3	....	....	6.5	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	8,292.9	....	....	....	....	....	....

APARRI

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5.64 meters; gravity correction not applied, —1.57 mm.]

NOVEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	60.79	60.98	61.96	60.31	60.83	62.27	61.19	24	23.4	27.4	28.2	26	25.5	25.8	30.6	22.3	91	93	85	79	88	88	87.3	......
2..	60.48	61.37	62.40	60.56	60.92	61.75	61.25	24.2	23.9	28.5	29	26.2	24.9	26.1	30.6	22.8	95	95	79	79	90	93	88.5	......
3..	61.09	61.34	62.46	59.84	60.16	61.63	61.09	24	22.5	28.4	30.6	27.5	25	26.3	31.7	21.3	93	96	77	71	87	92	86	0.3
4..	60.84	61.41	61.89	59.68	60.17	61.40	60.90	24.3	23.1	29.5	31	26.8	26.1	26.8	32.3	22.3	92	95	71	72	89	92	85.2	......
5..	59.99	60.11	60.87	58.28	58.64	60.32	59.70	24.8	24	29.9	31	27.6	25.8	27.2	32.1	22.8	93	94	72	69	80	87	82.5	......
6..	59.21	59.44	60.17	58.26	59.27	61.26	59.60	23.9	22.8	28.6	30	26.1	24	25.9	31.7	21.1	93	95	76	75	80	90	84.8	......
7..	60.23	60.53	61.57	59.34	59.67	61.95	60.55	23.1	23.2	29	30.6	27.5	25	26.4	31.8	22	94	94	70	67	79	92	82.7	......
8..	60.39	60.42	60.89	58.65	58.70	60.45	59.92	24	23.3	28	31.6	28	25.9	26.8	32.8	22	93	94	77	65	77	86	82	......
9..	59.50	59.69	60.49	58.14	58.57	59.70	59.35	24.9	23.7	29	31	26.1	25.9	26.8	32.4	22.4	90	94	74	66	82	81	81.2	.5
10..	58.45	58.69	59.29	57.32	57.83	58.87	58.41	24.3	24	25.8	29	25.8	26	25.8	30.5	22.5	91	91	88	74	89	88	86.8	6.4
11..	58.35	58.50	59.14	57.17	58.15	59.35	58.44	25	23.7	26.1	29.9	27	25	26.1	31	22.4	90	94	88	69	80	92	85.5	8.4
12..	58.95	59.16	59.90	58.62	59.48	60.65	59.46	24.9	23.3	26.5	27.6	25.8	25.3	25.6	29	22	92	95	80	76	78	80	83.5	1.5
13..	59.91	60.16	61.52	60.25	61.01	62.32	60.86	25.1	25.1	27.6	28.5	25.8	25	26.2	29.1	24.1	79	76	65	60	75	76	71.8	1.3
14..	61.96	62.21	62.82	61.10	61.77	62.52	62.06	24.9	23.8	27.5	26.2	25.1	24.6	25.4	28.5	22.2	75	81	66	66	65	74	71.2	......
15..	61.88	61.97	62.80	60.29	60.68	61.57	61.53	24.3	24.6	27.5	28	25.4	24.1	25.6	29.5	22.1	69	67	62	63	69	76	67.7	9.4
16..	60.69	60.81	61.22	59.24	59.61	60.42	60.33	22	22.9	24.7	24.3	23.5	23.8	23.5	25.2	21.7	92	93	86	89	94	93	91.2	12
17..	59.34	58.44	59.44	57.24	58.90	59.81	58.86	23.9	23.2	27.5	31	26.1	25.6	26.2	31.6	21.8	92	94	78	64	83	87	83	3.8
18..	59.15	59.62	60.51	58.42	59.45	60.87	59.67	24.8	23.7	26.6	28	25.1	24.2	25.4	29.4	22.5	88	94	91	82	92	96	90.5	24.4
19..	60.14	60.52	61.59	59.28	59.89	61.48	60.48	24	23.8	24.1	25	25	24	24.3	26.6	22.5	94	93	96	93	92	95	93.8	31.6
20..	60.14	60.32	61.03	58.51	58.99	60.05	59.84	23.7	23	27	28.6	25.6	24.6	25.4	29.5	21.8	95	96	84	77	91	93	89.3	6.1
21..	59.48	58.89	60.13	58.74	59.94	61.62	59.80	24	24	24.8	25	24	23.9	24.3	26.3	22.5	93	91	85	83	80	72	84	1.3
22..	61.28	61.72	62.89	60.93	61.27	62.19	61.71	23.5	23.1	23	23.4	23	22.9	23.2	24	21.1	69	67	67	68	68	69	68	.5
23..	61.44	61.63	62.54	60.44	61.69	62.82	61.76	21	20.6	23.5	25.9	23.9	21.8	22.8	27	19.5	83	85	72	59	68	82	74.8	10.9
24..	61.04	62.17	63.75	62.55	62.84	63.44	62.80	21.3	23	26.2	22.4	21.9	23	23	27.1	19.8	86	70	61	82	75	68	73.7	4.4
25..	62.63	63.49	64.52	62.60	62.92	64.27	63.40	22.4	20.7	21.6	21.5	21.1	20.9	21.4	22.9	19.5	73	89	89	89	90	93	87.2	49.7
26..	63.49	62.79	63.73	62.04	62.49	63.12	62.94	21	21.2	22.9	22.4	22.1	23	22.1	23.6	19	94	95	88	93	95	90	92.5	14
27..	62.52	62.40	63.64	61.47	61.99	62.39	62.40	23	23.5	23.6	24.5	24	23.2	23.6	25	21.9	94	92	94	87	90	96	92.2	20.9
28..	61.44	61.84	63.18	61.63	62.49	63.89	62.41	23.7	23.9	24.5	26.1	23.8	23.9	24.3	26.7	22.7	94	95	96	89	93	92	93.2	4.1
29..	62.70	62.69	63.51	61.38	61.77	63.72	62.63	23.2	22.8	25.4	23.5	23.7	22.4	23.5	25.8	21.3	94	94	93	97	96	96	95	169.2
30..	62.90	63.37	63.72	61.43	63.01	63.99	63.07	22	22	24.3	27	25	24	24	27.4	20.7	96	96	91	83	88	92	91	6.4
Mean	60.71	60.89	61.79	59.79	60.44	61.67	60.88	23.6	23.2	26.3	27.4	25.2	24.3	25	28.7	21.8	88.9	89.9	80	76.2	83.4	86.7	84.2	......
Total	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	387.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	SE	Calm	NNE	ENE	Calm	20.6	34.6	97.2	47.3	199.7	10	A.-Cu. SE	S.-Cu. E	10	....	S.-Cu. E
2..	Calm	Calm	E	NE	ENE	Calm	21.2	40.4	72.2	44.6	178.4	10	....	S.-Cu. E	10	....	S.-Cu. E
3..	Calm	Calm	SE	NE	ENE	Calm	24.9	46.7	60.2	34.8	166.6	0	....	....	0	....	....
4..	Calm	Calm	E	NE	NE	NE	27.1	49.9	111.6	78.6	267.2	0	....	....	9	A.-Cu.	Cu.-N. SE
5..	Calm	Calm	SE	NE	NE	Calm	24.1	47.7	78.9	56	206.7	2	....	S.-Cu. E	0	....	....
6..	Calm	Calm	SE	NE	E	Calm	25.7	52.5	66.3	24.4	168.9	0	....	....	8	....	Cu.-N. SE
7..	E	SE	SE	NE	ENE	Calm	34.1	61.8	99.8	88.5	284.2	0	....	....	1	....	Cu.
8..	Calm	E	S	NE	NE	Calm	25.4	71.4	76.2	57.6	230.6	0	....	....	1	....	Cu. SE
9..	E	Calm	NE	NE	NE	Calm	18.5	36.5	81.5	25.4	161.9	5	Ci. NE	Cu.	7	A.-Cu. E	Cu.
10..	Calm	NE	Calm	N	N	NNE	26	38.3	84	95	243.3	8	....	S.-Cu. E	9	....	Cu.-N. E
11..	Calm	SE	SE	NNE	NNE	NNE	32	36.2	78.7	109.6	256.5	8	Ci. NE	Cu.-N. NE	1	....	Cu.
12..	Calm	Calm	NE	NE	NE	NE	40.5	115.6	154.5	151.3	461.9	7	....	Cu.-N. NE	10	....	Cu.-N. NE
13..	NE	NE	NE	NE	NE	NE	132.2	140	141.4	170.3	583.9	10	....	S.-Cu. NE	8	Ci.-S.	Cu. ENE
14..	NE	NE	NE	NE	NE	NE	148.4	157.9	196.9	166.5	669.7	8	....	Cu.-N. NE	10	Ci.-S.	Cu.-N. NE
15..	NE	NE	NE	NE	NE	E	136.6	133.8	148.9	96.4	515.7	10	A.-Cu. SE	Cu.-N. E	10	A.-Cu. SE	Cu.-N. E
16..	Calm	ENE	NE	NE	NE	Calm	69.2	118.8	109.1	53	350.1	10	....	N. NE	10	....	S.-Cu. NE
17..	NE	SW	SE	S	NE	Calm	34.4	42.8	56.8	25.5	159.5	10	Ci.-S. SW	S.-Cu.	5	Ci. SW	Cu.
18..	NW	Calm	NE	NE	NE	NE	23.5	71.1	135.2	177	406.8	10	Ci.-S. SW	Cu.-N. NE	10	....	S.-Cu. ENE
19..	NE	NE	NE	NE	ENE	Calm	196.3	178.6	130.6	31.2	536.7	10	....	N.	10	....	Cu.-N. NE
20..	NE	Calm	N	NNE	N	NE	38.4	50.2	69.7	51.3	209.6	10	....	N.	4	Ci.-S. W	Cu.-N.
21..	N	N	NNE	NNE	NNE	NE	133.3	193.7	230.7	225.3	783	10	....	N. N	10	....	Cu.-N. NE
22..	NE	NE	NE	NE	NE	NE	193.4	148.7	117.7	81.6	541.4	10	....	S.-Cu. NE	10	....	S.-Cu. NE
23..	E	SE	SW	SW	N	W	33.3	37.5	42.1	43.5	156.4	10	....	S.-Cu. SW	10	....	S.-Cu. SW
24..	NE	NNE	N	NNE	NNE	NE	63.8	158.3	174.1	194.4	590.6	10	....	Cu.-N. NE	10	....	Cu.-N. NE
25..	NE	NE	NE	NE	NE	NE	205.2	164.9	164.1	167.3	701.5	10	....	S.-Cu. NE	10	....	Cu.-N. NE
26..	NE	NE	NE	NNE	NE	NE	141.8	146.2	157.7	152.9	598.6	10	....	N. NE	10	....	N. NE
27..	NE	NE	NE	NE	NE	NE	180.2	191.5	200.3	185.8	757.8	10	....	N. NE	10	....	S.-Cu. NE
28..	NE	NE	NE	NE	NNE	NE	149.4	147.5	135.8	82.1	514.8	10	....	N. NE	10	....	Cu.-N. ENE
29..	NE	Calm	E	NE	ENE	Calm	44.1	59.2	122.5	57.9	283.7	10	....	S.-Cu. NE	10	....	N. NE
30..	Calm	Calm	Calm	E	E	Calm	15.6	35.4	65.4	14.5	130.9	10	....	N.	10	....	S.-Cu. E
Mean	......	......	......	......	......	......	75.3	93.6	115.3	93	377.2	7.6	....	....	7.8	....	....
Total	......	......	......	......	......	......	.....	.....	.....	.....	11,316.6	....	....	....	....	....	....

APARRI

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5.64 meters; gravity correction not applied, —1.57 mm.]

DECEMBER, 1919

Day.	Atmospheric pressure, 700 mm.+							Air temperature.									Relative humidity.							Rain, 24 hours beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Mean.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1..	62.73	62.89	63.71	61.40	62.88	63.69	62.88	23	23.1	25.8	26.8	24.8	23.9	24.6	28.1	22	96	95	85	81	92	92	90.2	4.6
2..	62.49	62.62	64.16	62	62.57	63.57	62.90	23	24.1	27.4	27.6	25	23.5	25.1	29.3	22.2	96	92	81	76	88	96	88.2	7.9
3..	61.76	61.62	61.86	59.97	60.52	61.07	61.13	23.1	22.7	26	28	25.5	24.5	25	28.4	21.5	96	96	95	77	88	93	90.8	10
4..	60.07	60.29	61.05	58.03	58.97	60.52	59.82	23.5	23	26.1	27.5	25	24	24.8	29.7	22	96	97	84	84	92	96	91.5	7.1
5..	58.98	58.90	60.13	57.88	58.44	59.49	58.97	23.3	23	25.5	26.8	24.5	24.1	24.5	28	22.3	96	97	91	86	92	95	92.8	......
6..	57.95	58.10	59.27	56.82	57.67	58.69	58.08	24	23.5	27	28.5	25.7	25	25.6	29.3	22.3	96	96	86	78	91	93	90	......
7..	58.21	58.66	59.81	57.91	58.95	59.67	58.87	24.2	24.1	26.7	27.8	25.2	25	25.5	29.5	23	97	97	90	83	92	92	91.8	......
8..	58.95	59.39	60.54	58.62	59.32	60.50	59.55	24.3	24.5	28	26.9	25.4	24.9	25.7	29.6	23.2	96	96	84	85	93	92	91	......
9..	60.08	60.36	61.81	60.37	60.92	62.52	61.01	24.5	24.2	24.5	24.2	24	24	24.2	25	22.8	94	95	96	93	91	91	93.3	6.6
10..	62.03	62.22	63.21	61.08	61.79	63.14	62.24	23.6	23	25.8	26	24.6	24	24.5	27.7	21.7	93	97	89	88	91	94	92	8.7
11..	62.31	62.19	62.95	60.59	61.05	61.77	61.81	23.4	23	26.5	27.8	25	24	25	29.5	21.8	95	96	80	79	90	92	88.7	......
12..	60.86	60.34	61.36	59.20	60.08	61.09	60.49	23.1	22.1	27.5	28.5	25.1	24.2	25.1	30.8	20.4	95	95	73	77	91	91	87	1.8
13..	60.49	60.77	61.46	59.52	60.61	61.47	60.72	23.7	24	25.4	26.3	24.6	24	24.7	27.7	22.5	90	87	80	73	75	77	80.3	......
14..	61.32	61.29	62.04	59.24	59.79	60.62	60.72	23.3	23	24	24.9	23.2	23	23.6	25.7	21.1	81	81	75	76	85	84	80.3	2.3
15..	60.58	60.53	61.89	60.03	61.54	62.42	61.16	22.3	21.6	25	26	22.1	22.1	23.2	27.2	20	88	93	80	74	90	90	85.8	3.8
16..	61.34	61.64	63.37	61.57	62.52	63.79	62.37	22.6	22.8	23.6	24.9	22.8	22.8	23.2	25.5	20.7	87	85	85	76	84	84	83.5	.8
17..	62.95	63.19	64.28	62.37	63.13	63.94	63.31	22.3	22.1	24.4	25.6	24	23.3	23.6	26.1	20.8	88	90	82	75	78	81	82.3	......
18..	63.09	63.74	64.85	62.97	63.62	64.69	63.83	22.4	22.1	25.5	25.2	23.8	23.1	23.7	28.2	20.5	88	90	76	77	81	85	82.8	......
19..	64.10	64.27	65.17	62.77	63.42	64.52	64.04	22.5	22.3	24.4	27.6	24.9	22.9	24.1	28.5	20.6	89	88	80	66	80	90	82.2	.3
20..	63.58	63.27	64.08	61.70	62.91	64.18	63.29	21.5	21.1	26.5	29	25.8	24.5	24.7	30.3	19.7	95	95	72	68	81	88	83.2	5.3
21..	63.48	63.67	65.92	64.42	65.82	67.17	65.08	24	23	23	22	21.1	21.6	22.4	24.6	20	87	89	90	88	90	90	89	13.6
22..	66.02	65.05	66.19	64.22	64.88	65.84	65.37	21.5	21.7	22.3	22.5	21.8	22	22	23	20	93	94	96	95	93	94	94.2	47.8
23..	64.95	64.32	65.26	62.76	63.03	63.79	64.02	22.1	22.1	23.8	24.5	23	22.8	23	25.6	20.6	96	97	93	87	96	97	94.3	17.2
24..	62.42	61.54	62.83	60.70	61.37	62.12	61.83	22.5	22.5	23.6	25.3	23.9	23.2	23.5	26.5	21.1	96	96	97	88	88	92	92.8	9.7
25..	60.98	61.42	62.99	61.30	62.27	63.30	62.04	23	22.9	24	24.5	23	22.3	23.3	26.3	21.2	92	92	87	86	90	95	90.3	29
26..	62.62	62.74	63.81	61.07	61.32	61.79	62.22	22	22.1	24.1	25.7	23.8	23.2	23.5	26.8	21	96	96	87	78	85	88	88.3	.3
27..	61.08	61.22	62.74	60.40	61.22	62.03	61.45	22.4	22.1	24	26.8	24.8	23	23.8	27.8	20.6	94	95	89	82	91	93	90.7	......
28..	61.91	62.42	63.74	62	63.44	65.17	63.11	22.1	21.5	25.1	28.6	23.5	22.2	23.8	29.1	20.5	96	95	86	72	85	88	87	7.7
29..	65.24	66.04	67.30	65.41	66.47	67.55	66.34	20.9	19.5	20.1	19.4	18.8	18.9	19.6	21.5	17.5	92	92	89	90	87	82	88.7	11.8
30..	66.41	66.92	68.14	66.36	67.19	67.55	67.10	18.2	18.1	19.8	19.4	19.2	19.5	19	20.8	17	85	84	73	85	85	77	81.5	1.3
31..	66.02	66.36	67.37	64.89	65.44	66.15	66.04	18.5	17.6	21.1	21.8	20.7	19.4	19.8	23.7	16.5	80	84	68	72	82	91	79.5	......
Mean	62.10	62.19	63.33	61.21	62.04	63.03	62.32	22.6	22.3	24.7	25.7	23.7	23.1	23.7	27.1	20.9	92.2	92.6	84.5	80.5	87.6	89.8	87.9	......
Total	.....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	197.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1..	Calm	Calm	NE	NE	ENE	E	25.7	41.2	95.3	79.2	241.4	1	....	S.-Cu.	7	A.-Cu.	S.-Cu. E
2..	Calm	ENE	NE	NE	ENE	ENE	75	119.1	141.6	75.6	411.3	10	....	S.-Cu. E	4	A.-Cu. E	S.-Cu.
3..	Calm	Calm	NE	Calm	ENE	Calm	20.3	40.8	45.1	50.7	156.9	10	....	N. E	8	A.-Cu. E	S.-Cu.
4..	Calm	Calm	Calm	NE	ENE	E	16.9	27.1	94.3	32.8	171.1	10	....	S.-Cu. E	10	....	Cu.-N. E
5..	Calm	Calm	Calm	ENE	ENE	Calm	26	27.4	99.2	34.3	186.9	10	....	N. E	10	....	S.-Cu. E
6..	Calm	Calm	Calm	NE	NE	NE	15.5	19.9	57.1	49.7	142.2	10	....	S.-Cu. E	7	A.-Cu.	Cu.-N. SSE
7..	Calm	Calm	NE	N	NNE	NE	19.5	19.3	100.4	102.8	242	10	....	Cu.-N. S	10	....	Cu.-N. NE
8..	NE	ENE	NE	NE	NE	NNE	112.5	102	123.3	127.7	465.5	10	....	Cu.-N. NE	7	A.-Cu. W	S.-Cu. SE
9..	NE	NE	NE	NE	NE	NE	119.9	174.6	189.1	135.7	619.3	8	....	S.-Cu. E	10	....	N. NE
10..	NE	ENE	Calm	Calm	Calm	NE	39.2	28.7	30.9	22.3	121.1	5	....	Cu.-N. E	10	....	S.-Cu. E
11..	NE	Calm	S	E	E	Calm	18.8	59	52.6	25.7	156.1	10	....	Cu.-N. SE	4	....	Cu.-N. SE
12..	Calm	E	SE	N	NNE	NNE	15.6	45.6	68.9	107.2	237.3	0	....	....	0	....	....
13..	NE	NNE	NE	NE	NE	NE	85.1	121.5	170.6	150.5	527.7	10	....	Cu.-N. NNE	10	A.-Cu. E	Cu.-N.
14..	NE	E	NE	NE	ENE	ENE	100.9	89.8	102.4	70.2	363.3	10	....	Cu.-N. E	10	....	S.-Cu. E
15..	NE	Calm	Calm	N	NNE	NNE	26	38	114.3	121.7	300	9	....	S.-Cu. E	10	....	Cu.-N. ENE
16..	NE	NE	NE	NE	E	ENE	164.1	179.2	147.5	97.6	588.4	10	....	N. NE	10	....	Cu.-N. NE
17..	NE	ENE	E	NE	ENE	ENE	100.4	103.6	108.4	56.6	369	10	....	S.-Cu. ENE	10	A.-S.	S.-Cu. E
18..	Calm	ENE	NE	NE	ENE	ENE	23.1	95	102	50.2	270.3	7	....	S.-Cu. E	10	....	S.-Cu. E
19..	NE	ENE	Calm	NE	Calm	Calm	74.6	30.3	45.3	26	176.2	10	....	S.-Cu. E	1	A.-Cu. SE	Cu.-N.
20..	NE	Calm	SE	E	NE	N	29	62.6	63.1	101.9	256.6	10	A.-Cu. W	S.-Cu.	1	....	Cu.
21..	NE	NE	NE	NE	NNE	NNE	116.7	236.5	236.5	198.2	787.9	10	....	N. NE	10	....	N. NE
22..	NE	NE	NE	NE	NE	NE	198.2	153.9	183.4	166	701.5	10	....	N. NE	10	....	N. NE
23..	NE	ENE	ENE	NE	ENE	NNE	85.9	63.4	99.8	77.9	327	10	....	N. E	10	....	S.-Cu. E
24..	ENE	Calm	NE	NE	N	NE	29.6	43.8	100	88.7	262.1	10	....	N. E	10	....	Cu.-N. ENE
25..	NE	NE	NE	NE	NE	NE	105.9	133.6	135.8	143.2	518.5	10	....	S.-Cu. NE	10	....	N. NE
26..	NE	NE	E	E	ENE	Calm	127.7	100.1	109.4	65.7	402.9	10	....	N. NE	10	....	S.-Cu. E
27..	Calm	E	Calm	NE	NE	Calm	28.4	27.4	69.5	24.9	150.2	10	....	S.-Cu.	5	Ci.-S. W	Cu.
28..	Calm	Calm	NW	NW	NE	NE	15.9	62.8	122.3	225.3	426.3	10	....	S.-Cu. N	1	....	Cu.
29..	NE	NE	NE	NNE	NE	NE	220.4	207.6	197.6	193.7	819.3	10	....	Cu.-N. NE	10	....	N. NE
30..	NE	NE	NE	NE	NE	ENE	181.2	185.3	177.3	176.7	720.5	10	....	N. NE	10	....	Cu.-N. NE
31..	E	E	SE	Calm	E	Calm	88.3	37.8	49.6	21.5	197.2	10	....	S.-Cu. E	10	....	Cu.-N. E
Mean	......	......	......	......	......	......	74.4	86.4	110.7	93.6	365	9	....	....	7.9	....	....
Total	......	......	......	......	......	......	......	......	......	......	11,316	......	....	....	......	....	....

METEOROLOGICAL OBSERVATIONS MADE AT THIRD CLASS AND RAIN STATIONS DURING THE CALENDAR YEAR, 1919

JOLO

[φ=6° 03′ N; λ=121° 00′ E; barometer above sea, 13.08 meters; gravity correction not applied, —1.93 mm.]

JANUARY.[a]

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	59.37	58.98	22.7	27	95	86	SE 1	SW 2	0	8	15
2..	59.47	58.63	24.4	29.3	97	74	SE 1	N 3	9	5	16.3
3..	59.44	58.55	23.7	29	97	75	SSE 1	W 2	2	6	......
4..	59.86	58.95	22.7	28.9	97	79	SE 1	N 2	0	2	......
5..	59.90	59.67	24.2	28.5	97	80	SSE 1	NNE 2	7	8	......
6..	60.56	59.87	26.3	28.2	90	81	NE 3	NE 2	9	9	......
7..	60.41	59.21	21.9	28.3	96	75	SE 1	NE 2	3	3	......
8..	60.12	58.54	22.6	27.8	97	80	SE 1	ENE 3	4	5	......
9..	59.28	58.42	21.3	28.1	93	78	SE 1	NW 2	3	3	......
10..	59.23	58.21	21	28	97	76	SE 1	NE 3	5	3	......
11..	58.33	57.91	20.8	30.4	95	65	SE 1	NNW 2	2	7	......
12..	59.20	58.13	22.7	28.5	97	78	SE 1	NE 2	2	4	......
13..	59.04	58.76	23.6	28.6	97	75	NE 1	NE 3	9	4	7.9
14..	60.08	59.95	22	28.2	96	74	SSE 1	N 3	7	6	......
15..	60.80	59.90	24.3	28.2	83	70	NE 2	NE 3	1	5	......
16..	60.88	59.93	21.6	29.4	97	72	SE 1	NNE 2	1	1	......
17..	60.81	60.35	20.9	28.3	96	75	SE 1	NE 3	0	2	......
18..	61.06	60.81	25.5	28.7	89	75	ENE 2	ENE 3	6	5	1.8
19..	61.62	61.06	25	27.7	88	68	ENE 1	ENE 3	9	4	......
20..	60.75	59.77	23.5	27.8	90	67	NE 1	ENE 3	1	1	......
21..	60.78	59.83	19.9	27.3	89	76	SE 2	NE 3	0	7	......
22..	60.30	59.80	23.3	28.8	94	72	SE 1	NE 3	2	2	......
23..	60.12	59.46	24.5	28.2	89	72	NE 2	NE 3	8	4	......
24..	59.71	59.36	23	27.8	96	80	S 1	NE 2	8	7	......
25..	59.52	58.43	24.7	28.3	95	77	NNE 1	NE 3	10	3	......
26..	59.47	58.50	22	28.7	96	75	N 1	NE 3	7	2	......
27..	58.91	58.64	25.8	28.9	78	68	NE 3	NE 3	9	4	......
28..	59.31	58.51	25.5	29	80	68	NE 3	NE 4	6	7	......
29..	59.48	59.21	22.5	27.4	96	70	SE 1	NE 3	3	8	......
30..	60.22	59.17	24.7	27.6	90	76	SE 1	NW 3	10	8	......
31..	60.34	59.09	22.5	28.8	96	74	SE 1	N 2	1	7	......
Mean	59.95	59.21	23.2	28.4	93	74.5	1.3	2.6	4.6	4.8	......
Total	....	....	....	....	....	....	....	....	....	....	41

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	60.17	59.29	23	29.1	93	72	SE 1	W 2	8	7	......
2..	60.66	59.86	21.8	28.4	97	77	SE 1	NW 2	2	2	......
3..	60.98	59.77	25.6	28.3	88	74	SE 1	NE 2	9	5	......
4..	61	60.42	25.5	28.5	88	73	E 2	NE 3	6	7	2
5..	62.30	60.50	24.5	28	85	74	NE 2	NE 3	7	7	2.8
6..	61.87	60.25	24.5	28.5	93	75	E 1	N 3	8	5	......
7..	61.38	60.42	23.5	28.1	91	73	W 1	N 3	6	0	......
8..	61.29	59.98	23.2	28.7	87	75	SE 1	ENE 2	9	8	......
9..	60.45	59.86	23	28.5	92	74	SE 1	NE 3	7	4	......
10..	59.92	59.52	23	28.3	91	77	SE 1	N 3	9	6	......
11..	61.05	60.22	24.2	29.6	94	71	SE 1	NE 3	9	7	......
12..	60.32	58.97	25.7	28.9	87	69	NE 2	NE 3	8	7	......
13..	59.56	59.22	24.5	28.5	92	75	SE 1	NW 3	10	8	......
14..	59.64	58.90	25	32.4	89	53	ENE 2	NE 3	8	3	......
15..	60.76	59.99	21.2	28	95	80	SE 1	W 3	2	8	......
16..	60.79	60.18	23.4	28.4	93	77	Calm	NE 2	9	7	......
17..	59.59	58.95	24.3	29.1	95	74	Calm	NE 3	8	6	......
18..	58.67	58.29	22.3	28.6	96	77	NE 1	NE 2	5	5	......
19..	58.84	58.39	22.4	29	96	79	NE 1	NE 2	5	8	......
20..	59.27	58.52	22.8	27.4	96	85	E 1	WSW 3	4	8	1
21..	58.72	58.17	22.6	29.6	95	73	SE 1	SW 2	4	4	......
22..	57.55	56.83	25.4	28.2	93	80	NE 1	NE 3	9	5	4.8
23..	57.42	57.14	24.3	25.7	95	93	NE 1	SE 1	10	10	22.8
24..	57.90	57.46	26	28.1	89	77	NE 3	NE 3	10	9	......
25..	58.04	57.54	21.5	28.5	95	68	ENE 1	NNE 3	8	4	......
26..	58	58.23	22.6	29	94	70	ENE 1	NE 2	4	5	......
27..	59.22	58.51	22.9	28.9	92	67	Calm	NE 3	8	8	......
28..	59.43	58.59	22.3	27.9	92	81	Calm	SW 2	3	5	......
29..	.....	.....	.....	.....	.....	.....	....	....	....	....	......
30..	.....	.....	.....	.....	.....	.....	....	....	....	....	......
31..	.....	.....	.....	.....	.....	.....	....	....	....	....	......
Mean	59.83	59.07	23.6	28.6	92.2	74.8	1.1	2.6	7	6	......
Total	....	....	....	....	....	....	....	....	....	....	33.4

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	58.52	58.61	23.3	27.5	94	83	Calm	NE 3	8	5	......
2..	58.57	58.50	24.4	28.3	91	79	SE 1	SW 2	8	7	1.5
3..	59.13	59.03	25.2	29.5	93	68	Calm	NE 1	10	5	1
4..	59.72	59.48	22.7	26.6	96	84	Calm	NW 2	4	8	6.4
5..	59.70	59.22	23.8	28	95	75	Calm	Calm	8	9	1.8
6..	59.58	58.69	22.3	27.8	91	82	Calm	NE 2	8	7	......
7..	59.55	58.54	21.4	28.7	96	75	Calm	NE 2	7	3	......
8..	59.28	58.80	21.5	26.6	95	86	Calm	SW 1	7	8	......
9..	58.92	59.13	21.9	28.9	94	76	SE 1	NNE 1	6	4	......
10..	59.61	59.31	22.7	28.7	96	75	Calm	NE 2	4	5	......
11..	59.35	58.86	22.5	28.7	96	80	E 1	NE 2	3	5	......
12..	60.10	59.42	21.9	28.8	94	69	Calm	NNW 2	5	5	......
13..	60.03	59.63	22.4	29.9	96	69	Calm	NNW 2	4	5	......
14..	59.68	59.48	22	29	96	70	NE 1	SW 2	4	6	......
15..	60.05	60.03	22.5	29	95	76	SE 1	NNE 2	6	6	......
16..	59.79	58.91	23.5	30	96	74	SE 1	NE 2	8	4	......
17..	59.51	59.23	22.6	27.3	95	82	NE 1	SW 1	3	6	9.4
18..	60.12	60.62	24.3	25.5	97	89	SE 1	SE 1	10	10	4.1
19..	60.80	60.28	21.6	30	97	75	NE 1	NE 2	4	4	......
20..	60.42	59.74	24.5	27.1	96	83	NE 1	SE 1	8	8	18.3
21..	59.44	59.39	23.4	26.7	97	83	Calm	Calm	5	10	26.2
22..	59.70	58.97	24	28.4	93	78	Calm	SW 1	9	7	.3
23..	59.60	58.67	22.5	28.5	96	77	Calm	SW 2	7	5	......
24..	59.16	58.61	22.4	28.9	96	71	Calm	SW 2	4	5	......
25..	58.32	57.81	22.3	28.6	91	79	Calm	NE 2	7	5	......
26..	58.90	57.71	23.4	28	96	80	SW 1	NE 3	4	8	......
27..	58.05	57.54	22.8	27.5	97	78	NE 1	Calm	4	8	1.8
28..	58.92	58.12	23.5	28.8	96	80	NE 1	NE 1	5	5	.5
29..	58.34	58.02	23.4	28.2	97	82	Calm	NE 2	7	7	......
30..	58.10	57.22	23.5	27.7	97	82	Calm	Calm	5	9	13.2
31..	58.01	57.48	24.4	27.5	94	81	NE 1	Calm	8	8	13.5
Mean	59.32	58.87	23	28.2	95.1	78.1	0.5	1.5	6.1	6.4	......
Total	....	....	....	....	....	....	....	....	....	....	98

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	59.01	58.67	23.4	26.5	97	82	Calm	Calm	4	10	14.5
2..	59.42	59.09	23.4	28	97	86	Calm	NW 2	6	7	......
3..	59.60	58.27	22.9	28.6	97	77	SE 1	NE 1	6	6	......
4..	59	58.30	22.5	28.8	96	79	Calm	Calm	6	7	.5
5..	60.75	58.55	22.7	29.8	97	77	Calm	N 1	4	6	.8
6..	60.04	59.21	21.8	28.5	96	75	Calm	N 1	3	4	......
7..	59.52	57.76	21.5	30.2	97	72	Calm	NNE 2	6	4	......
8..	58.07	56.85	22.3	30	96	74	Calm	N 2	4	6	......
9..	57.21	56.11	25.2	29.3	89	72	Calm	NW 2	8	6	.8
10..	56.70	56.27	24.2	30.6	94	72	Calm	NW 2	5	6	......
11..	57.24	56.23	24.6	30.1	90	74	Calm	WNW 2	5	5	......
12..	57.62	56.41	23.2	29.9	94	73	Calm	N 2	6	4	......
13..	57.81	56.45	23.4	26.8	96	80	SE 1	Calm	5	7	10.7
14..	57.82	57.93	24	29.7	93	71	Calm	SW 2	5	5	......
15..	58.68	58.38	24.9	27	92	83	Calm	Calm	6	9	72.1
16..	59.05	57.91	23.6	29.8	93	79	Calm	N 1	4	5	......
17..	58.06	57.43	23.4	27.4	96	83	Calm	Calm	5	8	1
18..	58.27	58.43	22.8	26.4	97	86	Calm	SE 1	4	8	11.2
19..	58.80	58.57	22.3	29.2	93	79	Calm	N 1	4	6	1.3
20..	59.95	58.85	22.9	29.8	95	73	Calm	SW 2	5	6	.3
21..	59.72	58.33	24.3	30	96	75	Calm	NW 2	4	6	......
22..	59.20	58.22	23.4	29.5	97	75	SE 1	NE 2	6	5	......
23..	60.05	58.43	23.2	29.9	94	70	Calm	SW 2	5	4	......
24..	59.87	58.94	22.5	27.7	96	91	Calm	Calm	5	6	.3
25..	59.75	59.33	22.2	28.6	92	75	NE 1	SE 2	4	7	......
26..	59.12	57.84	23.6	30.6	96	70	SE 1	Calm	5	5	......
27..	58.82	56.95	22.8	30.4	95	66	Calm	SW 2	4	4	......
28..	57.60	57.41	24	28.2	95	80	NE 1	SW 2	5	8	......
29..	57.52	57.22	23.4	29.7	97	73	NE 1	SW 2	5	4	......
30..	57.84	57.42	23.8	29.2	91	73	NE 1	SW 2	4	6	......
31..	.....	.....	.....	.....	.....	.....	....	....	....	....	......
Mean	58.74	57.86	23.3	29	94.8	76.5	0.3	1.3	4.9	6	......
Total	....	....	....	....	....	....	....	....	....	....	113.5

[a] The total rainfall in the "Monthly Bulletin," page 16, should be 41 mm. instead of 4.1 mm.

JOLO

[ϕ=6° 03′ N; λ=121° 00′ E; barometer above sea, 13.08 meters; gravity correction not applied, —1.93 mm.]

Day.	MAY.											JUNE.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	58.10	57.08	23.5	28.5	96	80	Calm	SW 1	3	6	16.5	58.13	57.15	22.5	29.5	94	73	Calm	NE 2	5	5	......
2..	57.92	57.13	23.8	29.4	97	76	Calm	NE 2	4	5	......	57.10	56.12	24.4	27	95	90	Calm	NE 2	5	6	10.7
3..	58.19	57.03	24.2	28.5	95	78	SE 1	SW 1	5	7	1.3	56.85	55.68	24.8	26.7	94	82	Calm	Calm	5	8	11.2
4..	57.72	57.57	23.2	27.8	93	80	Calm	Calm	4	8	......	57.51	57	23.9	29.7	95	68	Calm	SW 2	9	8	......
5..	58.90	58.41	23.8	30.2	93	71	Calm	SE 2	4	5	......	58.20	57.88	23.6	27.4	94	83	Calm	SW 2	5	9	15.7
6..	58.86	57.81	23.6	28.5	96	79	SE 1	SW 2	6	5	2.3	58.46	57.61	23.2	29.3	96	78	Calm	SW 2	5	5	2.8
7..	58.51	57.51	23.4	30.2	90	70	Calm	SW 2	6	5	......	58.72	57.86	23.3	28.6	95	78	Calm	Calm	5	8	.3
8..	57.41	57.63	23.3	27.4	94	85	ENE 1	SE 2	4	6	3.6	58.23	57.38	24	30.2	96	75	Calm	SW 3	5	5	4.1
9..	58.41	57.67	23	28.4	96	82	Calm	S 2	6	6	15.7	57.85	56.46	24.6	29.6	91	69	SW 2	SW 4	10	9	21.8
10..	58.16	56.95	23.2	30	95	71	SE 1	NE 2	4	5	......	57.27	56.68	23.7	27.9	91	77	SW 3	SW 3	10	8	13
11..	57.85	57.01	23.9	27.9	96	79	Calm	SW 1	4	6	7.4	58.60	56.99	22.7	27.4	97	78	SW 3	SW 2	10	10	16.3
12..	57.70	56.35	24.2	27.3	95	84	Calm	Calm	6	6	53.8	57.31	56.82	25.7	26.7	92	81	SW 2	SW 4	8	8	32
13..	57.85	56.87	23.4	27.3	97	87	Calm	SW 2	6	9	5.1	58.25	57.87	24.6	28.2	87	74	SSW 3	SW 2	9	9	.3
14..	57.60	57.26	23.8	28.9	97	80	Calm	SW 2	5	6	.5	58.30	57.72	24.5	30.7	92	69	Calm	SW 2	7	6	......
15..	57.40	56.95	23.8	29.7	96	71	Calm	SW 2	8	6	......	58.98	57.76	25.3	30.3	89	75	SW 1	SW 2	6	6	......
16..	57.37	55.96	22.5	30.2	92	70	Calm	SW 2	4	4	......	59.11	58.40	26.2	30.6	88	70	SW 2	SW 3	8	5	......
17..	57.48	56.76	24.8	27.3	94	76	Calm	Calm	8	8	......	59.48	58.02	25.1	31.3	88	73	Calm	SW 3	7	6	......
18..	57.57	56.49	23.3	29.9	95	73	Calm	SW 2	5	5	.3	58.66	57.43	25.6	31.2	91	58	SW 2	SW 2	6	6	......
19..	58.01	56.71	23	29.2	96	78	Calm	NNE 2	7	6	......	57.70	56.96	25.5	29.4	90	72	SW 2	SW 2	6	7	......
20..	58.45	56.91	24	29.5	95	79	Calm	SW 2	6	6	16.5	58.43	57.93	24.1	29.9	95	63	SW 1	SW 3	4	5	......
21..	58.96	58	24.4	30.2	88	77	Calm	SW 1	8	6	1.5	59.19	58.26	25.6	28.4	87	70	SW 1	SW 3	5	5	......
22..	58.55	57.78	23.6	28.4	97	84	Calm	SW 2	4	7	.8	59.85	58.78	23	29.8	93	70	Calm	SW 2	5	4	.8
23..	58.42	57.35	24	26.2	95	92	S 1	Calm	6	10	15.7	58.87	58.61	24.2	30.3	97	70	Calm	SW 3	8	8	......
24..	58.75	57.82	24.3	29.8	94	74	Calm	S 2	10	8	.3	59.40	58.51	25.8	29.4	90	72	SW 1	SW 2	9	9	......
25..	59.03	58.06	24.7	28.9	96	82	SSE 1	SW 2	7	7	......	58.35	56.76	25.6	30.1	95	71	SW 1	SW 2	8	7	......
26..	58.62	57.46	23.7	29.7	94	73	Calm	SW 2	7	7	......	57.56	56.76	26	28.7	92	77	SW 1	SW 3	7	8	1.3
27..	57.59	56.46	25	28.4	93	80	Calm	SW 2	5	9	3.8	57.75	56.96	25.6	30.8	98	68	SSW 2	SW 2	8	6	......
28..	56.90	56.58	24.2	30.4	95	66	Calm	SW 2	9	7	......	58.15	57.38	25.3	29.8	96	75	SW 1	SW 2	6	7	30
29..	56.60	55.92	25.7	29.4	93	72	Calm	SW 2	8	8	......	58.75	58.03	24.1	28	95	65	SW 2	SW 2	8	5	47
30..	56.78	56.55	24	27.8	96	83	Calm	S 2	7	8	2.3	58.47	57.13	24	25.4	91	80	Calm	NE 3	10	10	17.3
31..	58.30	56.91	23.4	28.7	96	83	Calm	NE 2	8	8	1.8	......	......	......	......	......	......	......	......	......	......	......
Mean	58	57.13	23.8	28.8	94.7	77.9	0.2	1.6	5.9	6.6	......	58.32	57.43	24.6	29.1	92.8	73.5	1	2.3	7	6.9	......
Total	......	......	......	......	......	......	......	......	......	......	149.2	......	......	......	......	......	......	......	......	......	......	224.6

Day.	JULY.											AUGUST.										
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	57.13	56.91	22.7	25.8	97	89	SE 2	SW 2	10	10	2.3	57.38	56.57	26	31.9	89	60	SSW 3	SSW 3	3	3	......
2..	58.25	57.36	24.6	29.2	92	72	Calm	SW 3	9	8	......	58.03	57.11	25.7	31.1	88	67	SW 2	SSW 3	4	5	......
3..	59.34	58.63	24.3	30	93	65	SE 2	SW 2	8	7	......	57.91	56.91	26.1	32.3	91	58	SW 1	SW 4	4	3	......
4..	59.41	58.91	22.1	28	94	74	SW 1	SW 3	4	6	......	57.78	56.73	26	32.4	89	61	S 1	S 3	4	4	......
5..	58.74	58.88	24.4	25.7	96	86	SSE 2	NNE 2	9	10	15.7	57.73	57.36	26.9	30	85	71	SW 4	SW 4	7	8	......
6..	58.91	58.14	21.6	31.2	95	70	SW 1	S 3	4	4	......	58.93	57.29	26.1	31.6	89	68	SW 2	SW 3	10	4	......
7..	59.60	59.47	22.7	27.7	97	87	S 1	SW 3	5	6	5.3	57.64	55.17	27.1	31.2	89	55	SW 2	SW 5	7	4	......
8..	59.81	59.60	23	26	96	87	SW 1	SW 2	5	8	50.1	56.66	55.79	27.4	32	81	58	WSW 3	SW 4	6	3	......
9..	59	58.65	23.9	25.9	96	85	Calm	SW 2	10	10	22.9	57.32	56.52	27.1	32.2	87	58	SW 1	SW 3	8	3	......
10..	58.80	58.10	22.3	26.6	94	91	SW 1	Calm	9	9	6.4	56.73	56.46	26.9	26.7	86	88	SW 3	SW 2	10	10	7.6
11..	58.78	58.72	22.7	26.1	96	92	Calm	Calm	4	7	3.1	57.54	56.23	26.3	29.6	90	77	WSW 2	SW 3	10	10	......
12..	59.17	59.13	22.6	26.5	96	88	SE 1	SW 2	6	8	12.5	57.65	56.51	26.8	31.2	88	62	SSW 3	SW 4	10	3	......
13..	58.87	59.11	22.5	25	96	89	SW 2	SW 3	9	10	.3	57.50	56.74	26.7	31	85	69	S 5	SW 4	10	3	......
14..	59.25	58.60	21.8	28	96	79	SW 2	W 2	4	8	......	59.46	57.90	25.6	29.9	93	64	SW 1	SSE 2	4	6	.1
15..	58.75	57.58	21.4	25.5	95	96	Calm	SW 2	2	10	3.5	59.19	57.97	25.5	30.2	91	66	Calm	S 2	10	7	2.5
16..	58.21	57.54	23.4	26.7	96	83	Calm	SW 2	6	8	20.9	60.63	58.58	24.3	31.2	90	64	Calm	W 2	9	2	......
17..	57.87	57.72	24	28.4	95	83	SW 1	SW 2	8	7	......	59.56	58.56	23.4	30.2	91	71	NNE 1	NW 2	8	3	......
18..	57.66	57.07	23.5	28.7	96	77	Calm	W 3	7	7	21.3	59.69	57.87	22.9	32	94	57	NNE 1	NW 2	3	4	......
19..	56.90	56.15	24.4	29.2	91	76	SW 1	SW 3	5	6	......	58.79	57.36	26.1	29.8	85	71	SW 2	SW 3	10	8	......
20..	56.42	55.81	22.5	29.6	99	77	Calm	SW 3	5	6	......	58.34	57	24.8	31	92	64	Calm	SW 3	10	8	......
21..	56.47	55.79	23.9	27	96	83	Calm	SSW 3	8	7	.5	58.80	57.37	26.4	29.6	90	76	Calm	NW 3	4	3	......
22..	56.84	56.07	24.1	29.1	92	68	SW 2	SSW 2	10	8	.3	58.47	57.73	26	29.5	91	77	SSW 2	SSW 1	5	7	......
23..	56.68	56.72	25	26.9	92	77	SSW 1	NW 2	3	10	.8	58.64	57.44	22.9	30.4	96	72	Calm	WNW 2	4	6	......
24..	57	56.40	24.2	29.2	93	74	NW 1	SW 3	10	8	......	57.74	56.70	24.5	32.1	93	54	SW 1	SSW 3	8	4	......
25..	57.79	57	25	26.4	93	82	Calm	SSW 3	6	8	.3	57.68	56.75	25.9	31.3	88	62	SSW 2	SSW 3	8	7	......
26..	56.89	56.38	25.2	30.1	88	65	NW 1	NW 4	7	10	4.1	58.51	57.6	23.5	32.2	94	61	SSW 1	S 3	8	7	......
27..	56.25	54.85	25.6	29.7	85	72	W 1	S 3	10	9	......	59.41	57.85	23.9	29.6	94	70	SW 1	NW 2	10	6	4.3
28..	56.70	56.25	26.9	29.5	86	71	SW 1	W 2	10	10	......	57.85	56.66	24.1	29.7	93	67	SSW 2	SW 1	3	6	......
29..	56.15	55.68	26.4	28.7	91	77	Calm	SSW 3	4	8	......	57.76	56.36	24.7	30.4	92	66	Calm	WSW 2	7	7	......
30..	55.83	55.11	25.9	29.8	90	71	Calm	WSW 3	4	6	......	58.43	57.76	26	27.5	87	78	Calm	S 2	10	10	.3
31..	56.51	55.73	25.9	30.7	88	68	S 1	S 3	3	3	......	58.08	56.66	24.4	31.1	92	62	Calm	S 3	3	5	......
Mean	57.87	57.36	23.8	28	93.5	79.2	0.8	2.4	6.6	7.8	......	58.25	57.08	25.5	30.7	89.8	66.3	1.5	2.8	7	5.5	......
Total	......	......	......	......	......	......	......	......	......	......	170.3	......	......	......	......	......	......	......	......	......	......	14.8

JOLO

[$\phi = 6°\ 03'$ N; $\lambda = 121°\ 00'$ E; barometer above sea, 13.08 meters; gravity correction not applied, —1.93 mm.]

Day.	SEPTEMBER.											OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	57.98	56.71	24.6	31.2	93	58	NE 1	SE 3	3	6	......	58.34	57.67	24.8	28.8	92	71	S 2	SSW 2	8	8	4.6
2..	58.29	57.43	24.4	33.3	93	53	Calm	S 3	3	2	......	58	56.75	23.6	29	97	73	Calm	WNW 3	6	4	......
3..	59.20	57.63	22.8	30.2	96	70	Calm	NW 1	2	7	......	58.21	57.02	24.1	27.4	94	79	S 2	WNW 2	8	10	......
4..	59.07	57.91	22.6	30.4	93	67	Calm	NNE 3	2	3	......	58.52	57.53	22.3	28.5	95	69	Calm	WSW 2	4	7	2.6
5..	59.10	57.65	23.9	29.8	96	73	Calm	WNW 2	4	9	......	58.80	57.38	24.4	28.3	95	70	Calm	WNW 2	9	9	40.6
6..	58.80	58.13	25	27.8	91	78	Calm	NW 2	8	8	45	58.72	57.32	23.4	29.6	92	66	Calm	SW 2	10	8	21.1
7..	58.04	57.58	22.6	26.6	93	82	S 2	NW 2	8	9	6.1	59.25	57.76	23.9	29.4	92	67	Calm	S 2	10	8	......
8..	58.44	57.62	23	28.8	95	70	Calm	WNW 2	10	8	1.8	58.90	57.25	24.4	27.5	89	86	WNW 5	WNW 1	10	10	12.2
9..	58.75	57.50	23.8	29.8	87	71	N 1	WNW 2	9	8	......	58.09	56.42	26.2	28.4	90	72	SSE 2	S 3	10	10	1.8
10..	57.95	56.47	24.3	29.5	91	75	Calm	WNW 2	9	9	......	58	56.64	25.9	24.9	94	87	Calm	S 2	7	10	3.6
11..	56.73	55.80	24.8	28.4	92	77	Calm	SSW 2	9	10	22.4	58.30	57.11	23.9	30.3	95	72	Calm	SSW 2	4	6	17.8
12..	57.01	55.91	23.3	29.1	93	74	Calm	SW 4	10	9	.1	60.22	57.99	22.9	28.4	96	64	Calm	Calm	10	10	......
13..	56.91	55.90	25.3	30.4	92	66	Calm	SSW 3	8	9	......	59.07	57.79	23.2	28.7	97	82	Calm	WNW 1	10	10	......
14..	58.14	56.67	24.3	28.2	96	72	Calm	NW 2	10	6	......	57.89	56.48	27.2	28.6	90	81	SSW 2	WSW 5	10	10	18.2
15..	58.03	56.19	24.4	30.7	92	63	Calm	S 3	4	4	......	57.20	56.23	24.8	29.7	89	71	Calm	SW 3	10	9	30.2
16..	58.13	57.05	24.3	28.3	92	82	Calm	NNE 2	3	9	2.5	58.06	56.12	25.9	30.8	90	72	S 2	S 3	6	3	......
17..	58.79	58.29	23.9	27	95	81	NNE 1	Calm	6	8	......	58.74	57.25	24.2	29.2	95	74	Calm	SSW 3	7	6	......
18..	59.23	58.78	21.9	28.5	96	73	SW 1	WNW 2	3	4	.5	58.11	56.47	23.1	30	93	67	Calm	WNW 2	3	3	......
19..	59.34	58.03	22.9	29.5	96	72	Calm	NW 2	4	4	......	58.11	56.75	22.7	29.9	97	69	Calm	NW 2	4	5	......
20..	58.20	57.74	22.9	28.7	96	78	Calm	Calm	3	6	2.5	58.21	57.32	22.6	30.2	94	70	Calm	NW 3	7	4	......
21..	58.45	56.69	23.4	30.8	96	68	Calm	NE 1	2	7	.8	58.58	57.98	24.4	27.8	97	79	Calm	Calm	6	9	24
22..	58.45	56.76	22.9	30	96	71	Calm	N 3	4	3	......	58.37	57.41	27.2	30.3	81	72	N 3	N 3	7	4	......
23..	57.66	56.88	23.3	28.9	96	77	Calm	S 2	3	7	25.6	58.73	57.88	23.5	29.1	97	73	Calm	N 2	4	6	.8
24..	57.58	56.78	24.3	29.9	97	75	Calm	NNE 2	9	7	3.3	58.70	57.30	23.4	27.4	95	84	Calm	S 2	8	8	30.9
25..	57.90	57.29	24.2	26.6	97	86	Calm	Calm	8	7	7.9	58.86	58.03	22.9	27.1	97	79	N 1	S 1	7	8	.5
26..	58.21	57.29	23.3	29.3	96	70	S 1	NW 2	8	7	1.1	59.30	58.38	24.3	25.6	91	92	N 1	N 1	9	9	7.2
27..	57.96	57.29	23.4	28.5	93	80	Calm	WNW 2	4	5	......	59.16	58.32	22.5	30.2	96	70	Calm	S 1	10	4	......
28..	58.52	57.53	23.5	28.5	95	80	Calm	WSW 2	3	7	......	58.82	57.58	23.7	30.6	97	72	Calm	N 2	6	3	......
29..	58.77	57.32	23.5	29.5	95	73	Calm	NNW 2	4	4	......	57.87	56.54	22.9	27.5	96	84	N 1	Calm	10	8	14.3
30..	58.69	57.02	23.5	29.4	95	73	Calm	WNW 3	3	8	......	58.07	56.38	24.1	28.9	97	78	Calm	N 2	10	8	......
31..	.....	.....	....	....	....	....	....	....	....	....	......	57.66	55.97	24.8	29.4	92	77	N 1	N 2	8	8	......
Mean	58.28	57.19	23.7	29.3	94.1	72.9	0.2	2	5.5	6.7	......	58.48	57.19	24.1	28.8	93.6	74.9	0.7	2	7.7	7.3	......
Total	.....	.....	....	....	....	....	....	....	....	....	119.6	.....	.....	....	....	....	....	....	....	....	....	230.4

Day.	NOVEMBER.											DECEMBER.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	58.40	57.27	22.8	27.1	96	83	WSW 1	Calm	10	4	36.4	58.22	56.80	22.9	29.9	95	73	N 1	N 2	10	6	......
2..	58.24	56.55	22.9	29.9	97	73	Calm	N 2	8	3	......	57.84	56.60	22.9	30.1	97	73	Calm	NW 3	8	6	4.1
3..	57.50	55.62	23.8	29.4	92	72	S 2	N 3	6	4	2.8	56.84	55.75	27.3	30.3	85	72	NW 4	NW 3	8	7	3.3
4..	57.18	55.99	24.4	28.9	95	81	Calm	Calm	10	4	11.2	56.15	55.65	25.1	25.5	90	93	W 3	Calm	10	10	17.5
5..	56.70	55.76	24.8	28.3	96	82	Calm	WNW 1	8	8	2.3	56.82	55.70	24.3	30.4	91	67	S 4	NW 3	10	4	1.1
6..	56.45	55.68	23.9	28.9	93	74	S 1	N 1	10	9	24	57.43	56.71	24.1	29.2	94	75	Calm	NW 2	7	7	4.8
7..	57.55	56.58	23.3	27.9	97	86	Calm	Calm	10	10	10.4	57.81	57.79	22.6	26.2	94	85	WNW 1	SW 2	10	7	......
8..	57.92	56.92	23.1	27.7	96	76	Calm	N 1	10	8	......	58.06	56.98	23.5	29.8	98	69	Calm	NW 3	8	6	6.1
9..	57.85	56.93	22.9	27.5	97	80	N 1	Calm	7	6	3.2	57.63	56.85	23.7	26.9	94	86	Calm	NW 2	10	10	34.6
10..	57.72	56.46	22.6	29.9	97	73	Calm	NW 2	8	4	......	57.65	56.58	23.9	28.7	98	72	Calm	S 2	10	9	......
11..	56.99	56.58	22.8	24.7	97	93	Calm	S 1	6	8	7.4	57.85	57.25	22.4	26.1	96	89	Calm	N 2	6	10	26.2
12..	57.50	56.81	23.2	28.7	97	80	Calm	SW 3	8	8	.3	57.92	57.17	23.4	28.1	97	82	N 2	NNW 2	8	8	6.9
13..	57.55	58.08	23.6	25.3	97	91	Calm	W 3	4	10	9.7	57.62	56.18	22.2	29.4	95	71	NNE 1	N 2	7	7	.1
14..	58.44	57.58	24.2	28	96	78	Calm	W 2	8	6	31.7	56.81	55.71	24.3	28.5	96	70	N 2	N 2	10	4	.3
15..	58.41	57.06	23.3	29	97	74	Calm	WNW 2	9	6	.9	57.11	56.51	24.4	29	91	74	NNE 3	N 2	9	4	......
16..	57.55	56.72	23.4	28.8	97	73	Calm	WNW 2	7	8	......	57.31	57.16	22.5	26.9	96	84	Calm	Calm	10	8	7
17..	57.71	56.88	22.7	30.6	97	70	S 1	WNW 3	4	4	......	58.65	57.66	22.7	30.3	95	71	N 1	N 2	10	8	......
18..	58.31	57.15	24.7	29.9	94	74	S 2	NNW 3	7	7	2.3	58.76	57.90	22.4	28.8	94	74	Calm	NNE 2	10	7	6.9
19..	58.63	56.61	23.8	29.9	94	77	Calm	N 2	8	4	7	59.14	58.97	24.5	28.1	96	78	Calm	N 1	9	7	45.7
20..	57.85	57.02	24.6	26.6	91	88	Calm	Calm	3	8	8.2	59.40	58.75	23.6	29	97	74	Calm	N 3	10	9	......
21..	56.96	55.91	23.2	30.4	96	70	Calm	S 3	10	4	1	59.44	58.48	23.3	29.5	97	64	Calm	N 3	8	6	2.3
22..	57.84	58	22.6	25.1	94	93	W 1	WSW 5	7	10	52.6	59.16	58.17	24.6	29.2	94	72	Calm	N 3	9	9	......
23..	58.87	58.71	26.5	24.7	81	92	W 3	W 2	8	10	6.9	58.75	58.05	23.1	28.5	95	79	Calm	N 2	7	8	.5
24..	58.97	58.13	26.8	27	83	79	WNW 3	WSW 3	8	8	1.3	58.20	57.33	24	28.7	97	79	S 1	N 3	10	7	......
25..	58.31	57.91	24.7	26.1	92	85	Calm	SW 3	10	10	12.2	57.79	57.21	23.3	27.5	97	84	Calm	N 2	8	7	6.6
26..	58.17	56.63	22.4	28.8	96	74	Calm	NW 3	9	8	......	58.50	57.36	22.4	27.8	96	83	Calm	N 2	10	9	28.7
27..	57.45	57.47	22.8	24.7	94	92	Calm	Calm	7	10	12.7	58.56	57.76	22.5	28.5	96	77	Calm	N 2	10	7	......
28..	57.80	57.40	22.4	30.8	94	67	N 2	S 3	6	6	.5	58.42	57.43	23.4	28.4	97	78	Calm	N 3	9	6	......
29..	59.65	57.11	22.1	29.7	94	75	Calm	N 3	8	4	......	58.68	57.11	24.9	29.4	92	79	Calm	N 3	9	8	3
30..	58.49	56.73	23.9	29.2	96	77	Calm	WNW 2	9	7	......	57.93	57.35	24.4	28.9	97	75	Calm	N 3	10	9	.9
31..	.....	.....	....	....	....	....	....	....	....	....	......	58.41	57.46	23.4	28.4	97	77	Calm	N 3	10	6	.3
Mean	57.90	56.94	23.6	28.1	94.4	79.4	0.6	1.9	7.8	6.9	......	58.03	57.17	23.6	28.6	95	76.7	0.7	2.2	9	7.3	......
Total	.....	.....	....	....	....	....	....	....	....	....	245	.....	.....	....	....	....	....	....	....	....	....	206.9

DAVAO

[ϕ=7° 01′ N; λ=125° 35′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.91 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	60.06	57.99	21.8	32.6	98	55	Calm	Calm	6	5	2.3
2..	59.98	58.65	23.7	32.2	94	62	N 1	N 1	5	6	3
3..	60.43	58.73	22.7	33	98	53	Calm	N 1	5	7	......
4..	60.56	59.56	23.2	27.5	94	73	Calm	N 3	8	8	2.5
5..	60.38	59.83	22.9	32.6	92	56	Calm	Calm	5	5	......
6..	61.91	60.88	23.5	29.9	87	65	NNE 1	NE 2	6	5	......
7..	61.45	60.09	23.1	32.9	98	57	Calm	Calm	6	5	......
8..	61.43	59.16	21.5	29.6	95	68	Calm	NE 2	6	6	......
9..	60.33	58.15	20.6	30.5	95	63	Calm	NE 2	4	5	......
10..	59.35	58.05	20	31.5	95	63	Calm	NE 2	4	6	......
11..	59.21	57.44	21.5	32.4	98	57	NE 1	NE 2	4	5	......
12..	59.77	57.64	21	32	98	57	Calm	NF 1	4	4	......
13..	60.04	58.78	20.1	32.4	99	51	Calm	NE 1	5	4	......
14..	61.15	60.56	19.5	32	97	60	Calm	NE 2	6	5	......
15..	62.22	60.08	19.5	31.5	88	48	Calm	NE 3	6	4	......
16..	61.70	60.02	17	33	95	41	Calm	NE 3	3	3	......
17..	61.51	59.78	20	31	98	29	Calm	NE 3	3	5	5.1
18..	62.02	61.06	19.4	28	99	71	Calm	NE 3	3	7	......
19..	61.96	60.02	22.7	30.9	81	56	NE 1	NE 2	6	5	......
20..	61.74	59.43	21.6	31	88	50	N 2	N 3	6	6	1.5
21..	61.78	59.75	21.5	30.2	96	67	NE 1	NE 2	9	7	5.6
22..	61.21	59.50	22.2	29.3	94	69	Calm	NE 1	5	5	......
23..	60.86	60.04	20.8	29	96	70	Calm	Calm	8	5	......
24..	60.27	59	21.5	30.5	98	65	Calm	Calm	6	5	......
25..	60.24	58.30	20.7	32.8	98	54	NNW 1	NE 1	3	4	2.5
26..	59.97	58.37	21.5	32.1	99	63	Calm	N 3	3	4	......
27..	59.92	58.20	22.1	30.9	95	64	NE 2	N 4	5	5	......
28..	60.03	58.45	22.5	29.6	96	59	N 1	Calm	7	7	......
29..	60.16	59.20	22.6	29.6	88	69	Calm	N 2	8	8	......
30..	60.71	58.93	20.5	32.1	99	63	Calm	N 2	6	5	2.8
31..	60.95	59.41	22.9	30	97	82	Calm	N 1	6	7	3
Mean	60.75	59.20	21.4	31.1	94.9	60	0.4	1.7	5.4	5.4	......
Total	....	....	....	....	....	....	....	....	....	....	28.3

FUBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	61.82	59.67	20.5	33.8	99	48	Calm	NE 2	5	6	......
2..	61.38	60.06	20	27.5	98	81	Calm	Calm	5	8	8.9
3..	62.03	59.50	22.6	32.7	99	49	Calm	NE 2	6	7	......
4..	61.74	60.53	21.8	30	97	67	Calm	Calm	6	6	......
5..	62.51	60.70	22.5	29	96	68	Calm	NE 1	8	9	32.5
6..	63.63	61.76?	21	27.8	95	79	Calm	NE 1	6	8	......
7..	63.22	61.09	21	31	98	61	Calm	N 1	3	7	......
8..	62.26	59.83	22.5	32.7	96	54	Calm	N 3	5	6	......
9..	61.63	59.42	22.5	32.1	96	58	N 1	NF 2	3	6	......
10..	62.38	60.07	23	33.5	96	55	N 1	N 2	6	5	......
11..	61.39	59.70	21.3	33.5	98	52	Calm	N 2	5	6	2.5
12..	60.82	60.25	22.2	27	98	84	Calm	N 2	6	8	5.6
13..	60.92	59.67	20.6	32.5	99	59	Calm	NE 2	4	5	......
14..	61.05	59.60	19.5	33.1	96	52	N 1	N 2	5	5	......
15..	61.36	60	22.5	33.1	96	58	N 2	Calm	5	6	......
16..	60.92	59.12	21.6	32.5	99	68	Calm	N 1	4	5	2.3
17..	59.81	57.51	23.5	33.5	96	63	Calm	N 2	7	6	38.1
18..	59.07	57.14	23.5	34.4	96	54	Calm	N 2	7	6	39.4
19..	59.87	58.14	22.4	31.4	97	68	Calm	Calm	6	8	......
20..	60.09	58.14	21	32.8	99	62	Calm	N 2	4	5	3.6
21..	59.27	57.67	22.5	32.4	99	58	Calm	SW 2	4	5	......
22..	58.35	56.60	21.5	31.5	98	66	Calm	Calm	5	8	......
23..	58.36	56.12	22	32	96	67	Calm	N 2	5	7	6.9
24..	59.04	57.13	22.7	31.4	98	54	Calm	N 2	4	5	......
25..	58.80	56.98	21.5	30.5	87	70	N 2	N 3	5	6	......
26..	58.69	58.14	23.8	29	97	65	N 1	N 3	5	8	1.5
27..	60.11	58.28	23.1	31.8	88	46	N 2	N 3	8	5	......
28..	60.13	57.68	20.6	32.5	96	54	Calm	N 2	5	6	......
29..	....	....	....	....	....	....	....	....	....	....	......
30..	....	....	....	....	....	....	....	....	....	....	......
31..	....	....	....	....	....	....	....	....	....	....	......
Mean	60.74	58.95	21.9	31.6	96.5	61.4	0.4	1.6	5.2	6.4	......
Total	....	....	....	....	....	....	....	....	....	....	141.3

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	58.99	58.26	22	28.3	96	80	Calm	N 2	5	8	10.7
2..	58.96	57.81	23.6	28.6	98	78	Calm	N 1	10	9	1.5
3..	59.99	58.58	23	32	89	57	N 2	NE 2	4	5	......
4..	61.10	59.66	23.4	29.5	90	69	N 2	N 3	7	7	1.8
5..	61.09	59.65	22.8	29.5	97	66	N 1	N 2	8	6	......
6..	60.46	58.60	22.3	31.6	93	56	N 2	N 3	5	5	......
7..	60.38	59.39	20	30.4	96	66	Calm	N 1	5	6	2.5
8..	59.76	58.43	22	31.4	96	65	N 1	NE 2	5	6	......
9..	60.58	58.24	20.9	34	98	53	Calm	N 2	5	6	......
10..	60.29	58.59	21.5	34.2	95	49	Calm	N 3	3	5	......
11..	60.09	58.52	21.6	33.6	90	50	N 1	NE 3	3	4	......
12..	60.53	59.08	19.7	33.6	96	53	Calm	N 2	4	5	6.4
13..	60.57	58.82	22	33.7	96	54	Calm	N 2	8	5	......
14..	60.35	58.59	22.6	33.7	90	48	NE 1	Calm	4	4	......
15..	60.52	59.12	21.6	34.1	95	42	NNE 1	NNE 3	5	5	......
16..	60.14	58.33	22	34	96	49	Calm	Calm	3	4	......
17..	60.42	59.19	23.9	32.1	97	57	Calm	N 2	8	5	5.6
18..	61.07	59.42	23	34.1	96	53	N 1	N 1	6	5	......
19..	61.27	60.89	23.8	28.2	93	76	Calm	Calm	9	8	1.8
20..	61.46	60.16	22.6	29	99	74	N 1	NE 2	5	5	9.1
21..	60.71	59.23	20.5	32.7	94	49	Calm	N 2	4	5	......
22..	60.72	58.93	22.1	33.9	96	45	NE 1	ENE 2	7	4	......
23..	60.33	57.87	23.6	33.4	92	50	N 1	E 2	3	5	......
24..	59.50	58	23.3	30.6	97	63	Calm	N 2	4	8	......
25..	59.33	57.78	22	32.5	96	52	Calm	NE 2	5	5	......
26..	60.01	57.25	23.3	34.5	97	47	N 1	N 3	5	5	......
27..	58.91	56.85	24.5	33	96	52	N 1	N 2	5	5	......
28..	59.08	57.68	23.6	31.7	95	60	Calm	N 3	4	7	......
29..	58.98	57.02	22.9	33	92	58	N 1	N 2	5	6	7.4
30..	58.74	56.21	22.9	32.6	96	53	N 1	NE 1	5	6	......
31..	58.70	57.68	22	30.6	96	64	N 2	NE 1	4	5	27.4
Mean	60.10	58.51	22.4	32.1	94.9	57.7	0.7	1.9	5.3	5.6	......
Total	....	....	....	....	....	....	....	....	....	....	74.2

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	59.59	57.57	22.5	34.6	96	49	Calm	N 2	5	6	......
2..	59.64	58.19	21.1	33.9	99	46	Calm	NE 2	5	5	......
3..	59.77	57.45	20.6	33	98	47	Calm	N 2	4	4	......
4..	59.42	58.34	19.5	33	99	55	Calm	NE 1	3	5	......
5..	60.12	58.33	20.1	34.6	98	34	Calm	NE 2	4	4	......
6..	60.43	57.51	21	34.5	98	46	Calm	NE 2	5	6	......
7..	59.71	56.85	23	35	96	43	Calm	NE 3	5	4	......
8..	58.24	54.87	23.9	33	86	58	N 1	NE 2	5	6	78.7
9..	57.34	56.19	24	30.8	98	75	Calm	Calm	10	6	4.3
10..	58.07	56.63	23.8	33	97	55	Calm	Calm	5	4	......
11..	58.24	56.59	23	33	97	63	Calm	SSE 2	3	5	......
12..	57.90	56.58	22.3	32.4	97	58	Calm	N 1	4	5	......
13..	58.16	56.13	22.8	31.6	96	63	Calm	Calm	4	5	3.8
14..	57.78	57.85	24.3	26.5	98	90	Calm	SE 1	9	9	39.6
15..	59.39	57.74	22.5	31.8	99	64	Calm	Calm	6	4	1.3
16..	59.36	57.17	21.8	32.5	97	52	Calm	NE 2	4	5	......
17..	58.88	56.83	21.5	33	95	56	Calm	SE 1	4	5	......
18..	58.70	57.37	22.5	32.4	98	61	Calm	N 1	4	4	......
19..	59.23	58.01	22.9	34.3	97	51	Calm	NE 2	5	4	......
20..	59.93	58.19	23.5	32.1	96	60	Calm	Calm	6	7	......
21..	60.36	58.55	22.3	29.4	90	71	ENE 1	NE 2	4	7	......
22..	59.54	57.72	22.6	32.2	97	61	Calm	SE 1	6	5	7.1
23..	60.23	57.84	23.2	32	98	66	Calm	N 2	5	5	1.3
24..	60.31	58.07	22	34.5	97	56	Calm	N 2	4	5	2.5
25..	59.93	58.33	23.2	32.8	93	59	Calm	Calm	5	6	......
26..	59.56	58.09	22	31	96	65	Calm	NE 1	6	5	......
27..	58.53	57.27	24.4	33	91	56	Calm	NE 2	5	5	......
28..	57.45	56.28	23.2	31.2	95	68	NE 1	NE 2	8	5	......
29..	57.93	57.13	24	32.6	97	61	Calm	NE 3	5	5	......
30..	59.08	57.70	21.6	34	99	52	Calm	NE 2	4	5	......
31..	....	....	....	....	....	....	....	....	....	....	......
Mean	59.09	57.38	22.5	32.6	96.3	58	0.1	1.4	5.1	5.2	......
Total	....	....	....	....	....	....	....	....	....	....	138.6

DAVAO

[φ=7° 01′ N; λ=125° 35′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.91 mm.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	58.69	56.87	23	33.4	98	55	Calm	Calm	5	6	......
2..	58.47	56.91	20.9	32.3	96	62	Calm	NE 2	4	5	......
3..	58.42	56.65	23.5	33	96	53	Calm	N 2	8	5	......
4..	58.03	56.90	21.4	34.1	96	51	Calm	NE 1	4	5	......
5..	59.35	58.08	22.5	33	96	57	Calm	NE 2	3	7	......
6..	59.07	57.32	22.1	33.5	99	58	Calm	E 2	6	5	......
7..	58.73	57.34	24.5	28.5	94	80	Calm	N 2	9	8	......
8..	57.83	56.79	22	34	98	52	Calm	NE 2	6	5	......
9..	58.76	57.16	22.8	32	93	61	Calm	SE 2	7	5	......
10..	58.40	56.61	22.4	34.6	98	52	Calm	E 1	5	5	......
11..	57.69	56.45	22.7	34.4	97	56	Calm	Calm	4	5	......
12..	58.28	57.31	23.5	33.1	97	61	Calm	ENE 1	5	5	......
13..	57.82	56.26	23	35	97	54	Calm	SE 1	4	5	......
14..	57.80	56.59	24.5	28.1	95	72	Calm	N 3	8	7	......
15..	57.60	55.52	23	33	97	67	Calm	SW 2	6	7	46.2
16.	57.23	55.53	23.9	32.8	97	68	Calm	Calm	6	7	88.9
17..	57.18	55.88	24	32.7	98	69	Calm	Calm	6	5	......
18..	57.84	56.23	24.9	34	97	62	Calm	Calm	6	5	3.8
19..	58.31	57.02	24.8	32.6	97	65	Calm	Calm	6	5	5.6
20..	58.82	57.46	24.7	29.5	98	78	Calm	Calm	8	8	......
21..	58.86	57.86	24.2	31.6	97	70	Calm	SE 2	7	6	56.4
22..	58.50	57.29	23.3	31.9	97	67	Calm	E 1	3	5	......
23..	58.62	57.75	23.9	31.7	98	74	Calm	S 2	4	5	2.5
24..	58.80	57.48	23.8	31	97	72	Calm	Calm	6	5	13.2
25..	59.01	57.43	24.5	32.5	97	63	Calm	Calm	7	5	25.1
26..	58.58	57.08	24.4	31.5	98	68	Calm	Calm	9	5	......
27..	57.55	56.32	23.5	31.7	97	68	Calm	Calm	6	5	......
28..	56.85	56.99	23.9	27.9	97	88	N 1	Calm	6	10	6.9
29..	57	56.24	23.4	32.1	97	64	Calm	SE 1	6	5	5.8
30..	57.73	56.68	24	31.9	98	66	Calm	Calm	9	6	22.6
31..	58.52	56.91	23.4	33.4	99	62	Calm	Calm	6	4	5.8
Mean	58.20	56.87	23.4	32.3	97	64.4	0	0.9	6	5.7	......
Total	....	....	....	....	....	....	....	....	....	....	282.8

JUNE.[a]

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	58.23	56.72	24.3	32.6	96	66	Calm	SW 1	7	4	4.3
2..	57.48	55.87	24	31.5	97	67	Calm	Calm	7	6	63.8
3..	56.60	55.37	24	31	97	74	Calm	Calm	5	6	1.8
4..	57.29	56.15	23.6	31.8	97	70	Calm	SW 1	8	5	1.8
5..	57.80	56.98	23.2	32.5	98	66	Calm	Calm	7	7	......
6..	57.89	57.46	23.4	28.1	97	85	Calm	Calm	9	8	......
7..	58.43	56.62	24.3	31.1	97	71	Calm	Calm	8	6	......
8..	57.05	56.30	23.3	30.4	98	70	Calm	Calm	7	6	......
9..	57.12	56.21	23.1	32.4	99	62	Calm	Calm	5	6	5.1
10..	57.34	57.33	22.9	31.1	94	67	Calm	Calm	5	5	2.5
11..	57.96	57.05	23.1	31.5	97	66	Calm	SW 1	7	5	2.8
12..	57.99	57.18	24.5	30.7	96	74	Calm	Calm	7	7	......
13..	58.66	57.70	23	32.5	97	58	Calm	Calm	6	5	6.1
14..	59.15	58.58	23.2	....	98	....	Calm	Calm	6	6	3.6
15..	59.13	58.49	24.5	30	96	71	Calm	ESE 1	7	6	......
16.	60.23	58.21	23.2	30.3	98	72	Calm	SW 1	6	5	4.6
17..	60.26	57.83	21.8	30	97	75	N 1	SE 1	5	6	15.7
18..	59.71	58.06	22.2	27.9	98	76	Calm	E 1	6	8	......
19..	58.53	56.94	22.7	29.4	97	73	SE 1	E 1	6	7	......
20..	58.65	57.24	23.3	29.5	97	71	Calm	SSE 1	5	6	......
21..	59.69	58.20	24	30.8	96	67	SW 1	SW 2	6	5	......
22..	60.34	59.30	23.5	30.4	97	72	Calm	S 1	6	6	......
23..	59.41	58.49	22	29	97	71	Calm	SW 1	5	5	11.7
24..	59.35	58.36	22.5	28.8	96	75	N 1	NE 1	8	7	5.6
25..	58.79	57.49	22.7	28.3	97	79	NE 1	Calm	6	8	......
26..	58.45	57.13	23.5	29.3	96	70	Calm	Calm	7	5	......
27..	59.04	58.19	23.7	30.5	98	75	Calm	S 1	6	5	35.1
28..	59.68	57.98	22.5	29.7	99	70	Calm	Calm	5	6	......
29..	59.14	57.28	23	30.6	98	69	Calm	S 1	5	5	16.5
30..	57.57	56.55	22	29.5	98	70	Calm	Calm	5	5	......
31..	......	......	......	......	......	....	....	....	....	....	......
Mean	58.57	57.38	23.2	30.4	97.1	70.8	0.2	0.5	6.3	5.9	......
Total	....	....	....	....	....	....	....	....	....	....	181

JULY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	56.43	56.12	22.5	27.5	97	84	Calm	SSE 2	5	9	6.9
2..	59.20	58.99	22.9	30	94	69	S 1	SE 3	6	8	......
3..	60.23	60.16	23.5	30.5	96	63	Calm	S 1	5	6	......
4..	60.18	59.45	22.3	29	93	74	S 1	S 3	5	10	6.6
5..	59.95	58.59	22.3	31	97	62	Calm	S 1	8	5	2.8
6..	60.49	59.40	22.5	29.3	98	73	Calm	SE 1	5	4	......
7..	60.66	59.65	22.5	31	94	65	Calm	S 1	5	5	6.4
8..	60.88	59.21	22.9	30.6	97	71	Calm	SE 1	5	4	......
9..	59.66	58.29	23.1	29.9	97	69	Calm	SE 1	5	6	50.8
10..	59.60	58.29	22.8	29.7	98	71	Calm	Calm	5	5	......
11..	59.53	58.58	22.5	30	96	71	Calm	S 1	6	5	......
12..	60.30	58.79	23.6	30.4	94	72	Calm	SE 2	7	5	......
13..	59.40	58.99	23.5	29.9	97	69	Calm	SE 3	5	8	......
14..	59.93	58.24	22.5	29.9	97	69	Calm	SE 1	5	4	......
15..	59.29	57.45	22.5	30.9	99	63	Calm	SW 1	5	5	......
16..	58.98	57.79	23.9	30.2	94	74	Calm	SE 2	5	5	......
17..	59.13	57.85	23.5	29.6	98	74	Calm	SE 1	5	6	29.2
18..	58.21	56.74	22.5	31.1	98	56	Calm	SW 1	7	5	......
19..	57.13	55.44	22.5	30	98	65	Calm	Calm	5	6	15.5
20..	57.11	55.56	23.4	30.2	97	71	Calm	Calm	8	5	3
21..	57.15	55.80	23.5	29.6	97	74	Calm	S 2	7	6	18.3
22..	57.88	55.91	23.4	28.1	97	77	Calm	Calm	8	7	31.2
23..	57.46	55.65	23.5	30.4	97	69	Calm	SW 1	7	6	22.6
24..	57.88	56.79	23.5	29.8	97	73	Calm	S 1	7	6	......
25..	58.36	56.73	23	29.9	99	72	Calm	S 1	7	7	......
26..	57.25	55.84	24	28.7	96	76	Calm	SSW 2	6	8	......
27..	55.78	54.55	24	30.4	94	65	Calm	SW 1	7	7	......
28..	56.82	55.79	24	31.5	96	69	Calm	Calm	6	3	......
29..	56.52	55.53	24.4	30.5	92	68	Calm	S 1	5	6	......
30..	56.34	54.98	23.5	31	97	69	Calm	SSW 1	5	6	......
31..	56.96	55.58	23	30.8	96	67	Calm	S 2	5	4	......
Mean	58.54	57.31	23.1	30	96.4	69.8	0.1	1.2	5.9	5.9	......
Total	....	....	....	....	....	....	....	....	....	....	193.3

AUGUST.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	58.13	56.01	24.4	29.8	97	71	Calm	S 1	4	7	......
2..	58.30	57.13	24.9	29.8	92	72	Calm	Calm	8	7	......
3..	57.63	56.26	24.3	31.2	97	64	Calm	S 1	6	6	......
4..	58.23	56.51	24.5	30	89	72	Calm	SE 2	7	8	8.9
5..	59.03	57.71	23.8	30.8	97	63	Calm	S 3	7	7	......
6..	59.27	57.51	26	30.4	84	76	SW 1	S 3	6	5	2.5
7..	57.58	55.66	26.1	31.7	84	74	S 1	S 3	5	6	......
8..	57.29	55.50	23.5	31.5	97	68	Calm	S 3	5	6	......
9..	57.16	55.69	26.2	32.1	81	66	SE 2	SSW 2	5	6	......
10..	57.11	56.13	25	30.4	88	76	S 2	S 3	5	6	......
11..	57.92	56.01	26.3	30.4	85	76	SE 1	SE 3	6	7	......
12..	58.19	56.93	26	31	84	72	SE 2	SE 3	6	6	......
13..	59.11	57.54	25	30.6	83	75	Calm	Calm	5	5	......
14..	59.95	57.83	24.4	30.7	93	70	Calm	SE 2	5	5	......
15..	59.83	57.84	24.5	31.5	95	68	Calm	SE 1	7	5	......
16..	60.35	58.67	24	31.7	92	65	Calm	SE 1	7	6	......
17..	59.55	57.67	23.5	31.3	88	61	Calm	SE 2	5	5	......
18..	58.86	56.59	23	32	97	61	Calm	SE 2	5	6	......
19..	58.32	56.99	23.9	30	92	67	Calm	SE 1	7	7	......
20..	59.09	57.74	23	31.9	91	63	Calm	SE 2	6	6	......
21..	60.26	58.21	22.5	31.3	95	64	Calm	S 2	4	6	......
22..	59.38	58.23	24.5	31	96	66	Calm	SE 1	5	4	17.3
23..	58.75	57.14	23.6	31.4	99	63	Calm	SE 2	5	5	......
24..	58.40	57.13	23.5	31.5	96	66	Calm	SE 2	5	6	2.5
25..	58.95	57.28	24.5	30.5	92	75	Calm	SE 3	5	6	4.6
26..	59.06	58.43	22.2	30.8	98	70	Calm	Calm	4	5	27.9
27..	60.27	57.46	21.6	30.5	99	67	Calm	SE 1	4	5	2
28..	58.59	56.95	22.1	29.4	99	69	Calm	SE 1	6	5	......
29..	57.60	56.48	23	30.7	96	68	Calm	E 2	5	5	......
30..	59	57.76	22.5	31.4	96	66	Calm	E 3	5	5	......
31..	59.20	57.38	22.5	30.5	96	62	SE 1	E 2	5	6	12.7
Mean	58.72	57.11	24	30.9	92.5	68.3	0.3	1.8	5.5	5.8	......
Total	....	....	....	....	....	....	....	....	....	....	78.4

[a] Beginning with June 14, the height of the barometer above sea level was 23 meters instead of 4.5 meters.

DAVAO

[φ=7° 01′ N; λ=125° 35′ E; barometer above sea, 23 meters; gravity correction not applied, —1.91 mm.]

Day.	SEPTEMBER.											OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.23	57.44	23.6	29.8	99	75	Calm	E 2	7	6	......	59.07	56.61	24	30.5	99	72	Calm	E 1	7	5	5.8
2..	59.69	58.51	22.4	31	96	65	E 1	SSE 1	5	5	......	58.28	55.88	22.6	30.5	96	65	Calm	E 2	5	6	3
3..	60.16	58.46	23.1	30.9	93	69	E 1	E 1	6	5	......	58.66	56.70	23	30.6	97	65	Calm	Calm	8	5	.....
4..	59.92	57.64	24	30.7	96	69	Calm	SE 1	6	6	2	58.79	57.48	23	28.7	99	74	Calm	Calm	7	9	6.3
5..	59.09	57.60	22.5	28.5	96	78	Calm	NE 1	5	8	3.8	59.43	56.69	23.1	31	99	68	Calm	E 1	8	5	2.5
6..	58.73	56.54	22.5	28.5	96	74	Calm	S 1	7	7	2.5	58.89	56.51	23.5	29.6	96	67	Calm	E 1	6	8	3
7..	57.80	55.89	22	29.5	96	75	Calm	Calm	5	7	4.5	59.01	57.61	22.8	30.6	97	67	Calm	Calm	7	5	......
8..	57.96	56.24	22.5	30.9	96	63	Calm	SW 1	6	8	6.4	59.13	57.74	23	29.1	96	71	Calm	Calm	7	10	4.1
9..	58.66	57.23	22.5	29.6	96	74	Calm	Calm	7	8	......	58.80	57.43	23	30.5	96	65	Calm	E 1	7	5	4.6
10..	58.10	56.30	22.6	30.3	95	63	N 1	Calm	7	6	4.3	59.50	57.66	22.9	30.6	97	59	Calm	E 1	8	5	2.5
11..	56.63	55.65	23	28.2	96	80	Calm	Calm	5	9	......	59.57	57.85	23.9	30	97	68	Calm	Calm	7	7	3.6
12..	56.62	55.80	23.5	28.6	92	73	Calm	S 2	9	6	......	60.27	58.59	24.1	26	94	89	Calm	E 1	10	10	24.1
13..	57.40	56.29	23	30	87	65	Calm	SE 1	5	6	......	59.14	56.93	23.5	24.5	97	92	Calm	NE 2	10	10	5.1
14..	58.71	56.81	22	30.5	96	72	Calm	Calm	5	6	......	55.90	54.86	21.5	31	95	62	Calm	E 1	6	7	......
15..	58.62	56.75	24	30.6	96	70	Calm	SE 1	7	5	5.6	57.56	55.50	22	31.6	96	68	Calm	E 1	5	5	......
16..	59.36	57	23.1	29.9	95	69	Calm	Calm	7	6	......	59.11	56.72	23	32	96	66	Calm	SE 1	5	5	......
17..	60.44	58.25	22.1	28.9	99	72	Calm	SE 1	6	5	2.8	59.34	57.53	23.5	30	95	73	Calm	Calm	5	7	......
18..	60.91	58.51	22.5	30.3	97	71	Calm	E 2	6	6	87.6	58.99	56.34	23.1	31.5	95	66	N 1	SE 1	5	6	7.1
19..	60.56	58	23.5	29.5	97	74	Calm	S 1	7	5	5.1	58.60	56.53	23.5	31	96	62	Calm	E 2	5	5	5.6
20..	59.54	57.95	24	30.1	95	73	Calm	SW 1	7	5	3	58.53	57.24	24.1	29.8	96	63	Calm	E 1	7	8	3
21..	59.65	58.36	23.5	30.5	97	68	N 1	N 1	6	5	......	59.03	57.32	23.4	31	97	63	Calm	NE 1	6	5	59.7
22..	59.64	57.84	23	31.5	94	66	Calm	NE 1	5	4	......	59.65	57.89	22.9	31.6	97	59	N 1	E 1	5	6	......
23..	58.44	57.79	23.5	25.6	96	84	Calm	E 4	5	9	3.8	59.80	58.46	23.5	31	96	69	Calm	S 2	6	5	4.8
24..	58.66	57.11	22.9	29.5	97	71	Calm	E 2	5	7	2.8	60.18	58.75	24	30.6	97	70	Calm	SE 2	7	6	1.3
25..	58.81	56.95	23.2	30.9	96	62	N 1	E 2	5	5	......	60.19	58.51	23.9	31	92	69	Calm	Calm	6	5	......
26..	59.25	57.99	23.4	30.4	97	66	Calm	NE 2	5	8	......	60.54	58.24	22.7	31.2	94	64	Calm	Calm	5	5	......
27..	58.48	57.70	23	30.5	96	68	Calm	E 2	6	6	3.8	60.29	58.59	23	31.6	96	65	N 1	E 1	6	5	......
28..	59.21	57.84	23.2	30.9	97	62	Calm	Calm	5	5	14	59.61	57.43	23	32.5	96	61	Calm	E 1	5	6	2.5
29..	59.67	57.05	23.8	29.5	97	71	Calm	NNW 1	6	5	26.7	58.98	56.74	23.6	30	99	68	Calm	SE 2	5	8	2.8
30..	59.43	57.01	22.5	29.2	97	74	Calm	E 1	6	5	18	58.82	56.78	24.1	29.4	99	70	Calm	Calm	9	8	.....
31..	.....	.....	....	....	....	....	....	....	....	....	......	59.56	57.36	22.5	30.6	96	59	Calm	SE 1	5	6	......
Mean	58.98	57.28	23	29.8	95.8	70.5	0.2	1.1	6	6.1	......	59.14	57.24	23.2	30.3	96.4	67.7	0.1	0.9	6.5	6.4	......
Total	.....	.....	....	....	....	....	....	....	....	....	196.7	.....	.....	....	....	....	....	....	....	....	....	151.4

Day.	NOVEMBER.											DECEMBER.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.48	57.64	23	30	97	73	Calm	N 1	5	7	......	58.79	57.20	22.5	31.8	96	58	Calm	Calm	6	5	......
2..	59.47	57.78	23.6	31.8	95	64	Calm	E 1	5	5	......	58.41	56.49	22.5	31.4	91	55	Calm	N 2	5	5	......
3..	58.45	56.99	23.2	28.5	97	78	Calm	E 1	6	5	......	57.23	55.34	23.3	29.5	97	78	Calm	Calm	5	8	26.4
4..	58.40	56.74	23.3	32	97	63	Calm	NNE 2	4	6	......	56.80	55.69	23	30.5	97	68	Calm	SE 2	6	5	8.9
5..	58.03	57.15	24.5	26.6	96	83	Calm	Calm	8	8	9.2	57.83	56.26	22.5	30.5	97	65	Calm	SE 1	4	5	......
6..	58.23	56.24	22.6	30	98	75	Calm	NE 1	4	5	34.3	58.56	57.34	23	31	97	65	Calm	Calm	6	5	......
7..	59.10	57.04	23	30.6	98	74	Calm	SE 2	8	6	......	59.20	57.29	23.5	32.4	96	58	Calm	Calm	6	5	31.7
8..	59.33	57.69	22.6	31.6	95	60	Calm	NE 1	7	6	28.7	59.01	57	22.5	31	97	62	Calm	Calm	6	7	......
9..	59.03	56.81	23	29.5	96	71	WNW 1	SW 1	5	8	......	58.51	57.05	23	28.5	94	78	Calm	Calm	8	6	77.5
10..	58.86	56.51	22.9	30.2	97	68	Calm	Calm	7	6	2.8	59.06	58.63?	22.5	27.6	99	76	NW 1	N 1	5	8	7.1
11..	58.40	55.96	23.1	30.9	99	65	Calm	Calm	6	7	......	59.52	57.46	22	30.9	96	63	N 1	N 1	6	5	3.8
12..	58.25	56.64	23.5	30.7	92	69	Calm	E 1	5	5	......	59.01	57.94	22.5	29.6	96	66	Calm	N 1	5	7	......
13..	58.55	57	22.7	30.6	97	68	Calm	SE 1	6	5	3.8	58.69	56.79	23	29.6	96	64	NNE 1	E 1	6	5	......
14..	59.36	57.70	23	30.9	96	66	Calm	SE 1	6	5	14	58.35	56	21.8	30.5	97	62	N 1	NE 1	4	5	21.6
15..	59.08	57.02	24.6	30.6	97	65	Calm	Calm	6	5	......	58.41	57.05	22	30.8	96	63	N 1	NE 2	4	5	......
16..	58	56.38	23.1	30.6	99	68	Calm	E 1	6	7	......	58.99	57.43	23.5	32	96	54	Calm	N 2	5	5	......
17..	57.76	56.91	22.5	30.6	96	69	Calm	E 1	5	6	......	59.60	58.22	23.1	31	95	59	Calm	N 2	4	5	......
18..	59.16	57.37	22.8	31	95	69	Calm	Calm	5	5	......	60.08	58.24	22.3	30.5	95	67	Calm	Calm	5	5	......
19..	59.40	57.24	23	31.1	94	67	Calm	E 1	5	5	......	60.03	59.45	22.2	27.2	95	85	Calm	N 1	4	8	5.1
20..	59.28	56.73	22.5	31	95	62	Calm	Calm	6	5	1.5	60.39	60.17	22.5	27.8	96	76	N 2	N 1	6	8	......
21..	58.49	56.40	22.1	31.1	97	65	Calm	E 1	4	5	......	61.01	59.13	22.7	30.1	93	60	N 1	N 2	7	6	4.6
22..	58.48	56.59	22.6	25.2	97	85	Calm	Calm	6	7	12.7	60.77	59.40?	22.2	29.8	94	66	N 1	N 1	5	7	5.6
23..	58.66	58.14	22.6	27.2	99	79	Calm	Calm	4	7	4.6	60.74	58.35	21.5	31.5	97	57	Calm	N 2	5	6	......
24..	59.36	57.79	22.7	29.5	98	72	Calm	Calm	7	5	......	59.40	57.36	23.1	30.5	99	65	Calm	ENE 1	5	6	......
25..	59.45	57.08	23	30.5	96	89	N 1	Calm	7	6	......	59.20	57.69	24.3	31.5	95	60	Calm	Calm	6	5	......
26..	58.53	57.25	22.5	27.9	96	74	N 1	N 1	7	7	......	60.06	57.90	22.7	31.4	97	57	Calm	E 1	6	5	.....
27..	58.69	57.78	22.1	30.5	99	62	Calm	SW 1	5	6	......	59.59	58.29	22.8	31.5	97	60	N 1	E 2	4	5	.....
28..	59.38	57.66	22.5	31.3	96	65	N 1	E 2	5	6	......	59.84	57.74	22.6	31.9	97	61	Calm	N 1	4	5	14
29..	59.38	57.16	22.9	31.5	96	60	Calm	Calm	5	6	......	59.55	57.53	23.5	32	92	52	N 1	N 2	6	5	......
30..	58.81	57.04	22.5	31.5	98	63	Calm	NE 1	5	5	......	59.41	58.02	22	31.7	91	53	N 1	N 2	6	5	......
31..	.....	.....	....	....	....	....	....	....	....	....	......	60.20	58.56	23.6	30.9	92	65	Calm	N 1	6	5	......
Mean	58.83	57.08	22.9	30.2	96.6	69.7	0.1	0.7	5.7	5.9	......	59.23	57.65	22.7	30.5	95.6	63.8	0.4	1.1	5.4	5.7	......
Total	.....	.....	....	....	....	....	....	....	....	....	111.6	.....	.....	....	....	....	....	....	....	....	....	206.3

CAGAYAN

[$\phi=8°$ 29′ N; $\lambda=124°$ 38′ E; barometer above sea, 13 meters; gravity correction not applied, —1.89 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	60.14	58.50	21.6	29	91	74	SSW 2	N 2	0	4	......
2..	59.56	58.34	23.4	29.2	91	72	Calm	NW 1	0	7	11.4
3..	60.56	58.69	22.4	30.5	95	68	S 1	N 2	2	2	......
4..	60.52	59.03	21.9	30	87	69	S 1	NNW 2	1	0	......
5..	60.63	59.16	22.5	28.2	90	77	Calm	NNW 2	4	8	13.7
6..	62.06	60.42	21.6	29.6	95	67	SW 3	NNE 3	10	4	......
7..	60.55	60.09	22.1	30.2	90	66	Calm	N 2	7	8	......
8..	61.45	58.63	20.9	29.2	83	68	Calm	NE 2	4	5	......
9..	60.34	57.95	19.4	28.5	77	67	S 2	NW 2	0	0	......
10..	59.80	59.22	20.8	24.6	87	82	SSW 1	Calm	9	10	......
11..	59.59	58	20.2	28.2	92	73	S 1	NE 2	0	10	......
12..	59.72	57.95	22	28.5	93	74	Calm	NW 3	7	0	......
13..	60.28	58.70	21.8	29	87	64	Calm	N 4	4	0	......
14..	61.20	60.24	21.1	29.2	84	63	SSW 2	NE 3	7	0	......
15..	62.19	60.23	19.4	29	88	62	S 1	N 3	0	0	......
16..	61.82	60.43	19.4	29	77	67	S 1	N 3	0	7	......
17..	61.65	60.81	22.1	27.4	88	77	Calm	NW 4	4	10	......
18..	62.75	60.72	22	29.4	91	62	S 1	N 2	10	8	......
19..	63.09	60.70	20.5	28.5	90	67	S 1	NNE 4	2	0	......
20..	62.50	60.74	20.5	30	90	57	SSE 1	NW 3	0	1	......
21..	61.94	60.40	22.6	25.3	88	84	Calm	Calm	10	10	20.8
22..	61.62	60.09	23.2	27.4	97	81	Calm	N 2	8	10	......
23..	60.92	59.10	23.5	29.1	96	64	Calm	NW 2	10	10	......
24..	59.94	58.65	23	29.5	93	73	Calm	NNW 2	4	2	......
25..	59.99	58.49	20.2	29.5	87	68	Calm	NW 3	0	0	......
26..	60.50	58.29	20.8	28.5	85	64	S 2	N 4	7	0	......
27..	60.37	58.39	21	29.4	93	66	Calm	NW 3	0	0	......
28..	60.92	58.95	23.2	29.8	91	60	Calm	NW 2	10	5	......
29..	60.59	58.54	20.2	30.1	85	64	S 1	NW 2	7	2	......
30..	60.75	59	20.4	29.3	89	62	Calm	NNW 2	0	0	......
31..	60.69	58.93	23.4	30	91	66	S 1	NW 2	10	0	......
Mean	60.92	59.27	21.5	28.9	89.1	68.6	0.7	2.4	4.4	4	......
Total											45.9

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.55	59.40	20.8	29.6	93	64	Calm	N 4	0	0	......
2..	61.86	60.36	19.4	26.6	87	81	Calm	NW 3	0	10	6.4
3..	61.72	59.60	23.4	30	97	71	Calm	NW 2	0	0	......
4..	62.12	60.38	24	28	91	73	Calm	NW 4	6	8	......
5..	62.85	60.40	21.8	30.5	93	62	Calm	NW 2	2	0	......
6..	63.25	60.21	21.6	30.6	91	58	S 1	NW 2	0	2	......
7..	63.32	60.39	19.6	31	81	53	SSW 1	WNW 2	0	4	......
8..	62.45	60.10	23.3	28.6	89	76	Calm	Calm	2	10	......
9..	62.14	59.79	20	29.5	85	61	Calm	NNE 2	0	2	......
10..	61.30	59.18	22.4	30.6	88	59	Calm	N 4	4	0	......
11..	61.82	59.85	22	28.6	91	75	Calm	NW 2	0	10	......
12..	60.97	59.29	21	28.5	93	77	S 1	N 2	0	10	......
13..	60.26	59.43	22.3	32.6	88	48	Calm	NW 2	0	0	......
14..	60.44	58.88	19.7	30.4	78	60	S 1	NW 2	0	0	......
15..	61.42	60	22.2	28.8	84	75	Calm	NNW 2	0	10	......
16..	61.22	59.42	22.8	29.5	89	65	Calm	NNW 2	0	4	......
17..	60.34	58.38	23.5	30.4	87	65	S 2	NW 2	7	4	......
18..	59.25	57.73	22.2	30.8	95	68	Calm	NW 3	0	2	......
19..	60.12	58.33	24	31.8	83	61	Calm	NNW 3	4	4	......
20..	59.85	58.12	22.4	30	91	67	Calm	NW 4	0	4	......
21..	59.33	57.67	22.9	31	91	59	Calm	N 3	4	0	7.6
22..	58.36	56.13	23.3	30.3	96	70	Calm	NNW 2	0	0	......
23..	58.77	57.07	23.5	26.4	83	84	Calm	N 2	0	10	3.8
24..	59.28	57.02	21.1	31	91	61	Calm	N 2	3	4	......
25..	58.35	57.13	20.5	31	81	59	Calm	NW 2	4	6	......
26..	59.23	58.40	23.8	29.5	90	63	Calm	N 4	10	7	......
27..	60	58.19	21.6	31.3	86	52	Calm	N 2	7	6	......
28..	60.48	58.43	21.4	30.5	82	61	S 1	NW 3	2	2	......
29..											......
30..											......
31..											......
Mean	60.79	58.90	22	29.9	88.4	65.3	0.2	2.5	2	4.2	......
Total											17.8

MARCH.

	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.52	58.65	24.4	27.7	91	79	Calm	N 4	10	10	7.6
2..	59.38	57.42?	22.9	30	96	70	Calm	N 2	4	2	......
3..	60.30	58.60	23.6	31.9	95	61	S 1	NNW 2	4	3	......
4..	60.34	59.42	23.6	30.3	86	68	Calm	N 3	4	7	......
5..	61.20	59.33	24.4	30.2	91	65	Calm	N 2	8	7	......
6..	60.82	58.53	23.2	30.5	84	56	S 2	N 3	0	0	......
7..	60.60	58.32	21.6	28.5	93	70	S 1	N 2	4	10	......
8..	60.32	58.12	24	30.3	83	63	Calm	NW 2	10	0	......
9..	60.89	58.49	23.2	29.5	80	61	Calm	NNW 3	0	3	......
10..	60.96	58.53	22.4	31	95	63	Calm	N 3	0	2	......
11..	60.29	58.64	22.8	30.2	84	64	Calm	N 4	0	0	......
12..	61.25	59.98	22	29	86	71	Calm	NNE 3	0	10	1.3
13..	61.02	59.54	22.6	31.6	91	56	SSE 2	N 3	4	4	......
14..	61.10	58.85	22.1	30.6	85	62	Calm	NNW 3	0	0	......
15..	60.95	59.26	22.8	30.8	84	63	S 1	NNW 2	0	0	......
16..	60.41	58.75	23.8	29.8	90	69	Calm	N 4	0	4	1.3
17..	59.84	58.60	23	30.8	91	60	Calm	N 2	4	0	......
18..	60.22	59.64	24.6	30.8	93	59	Calm	N 3	8	0	......
19..	61.77	59.98	23.5	28.4	87	75	Calm	N 1	4	7	......
20..	60.92	59.66	23.4	31	91	62	Calm	N 2	0	0	......
21..	60.22	59.27	22.8	31.5	81	48	Calm	N 3	0	0	......
22..	61.10	57.50	21.5	31.8	91	58	S 1	NNW 2	0	0	......
23..	60.63	58.42	22	30.1	91	64	S 1	NW 2	0	0	......
24..	59.77	58.15	23.4	31.1	76	59	Calm	N 2	0	0	......
25..	59.54	57.69	22.8	31	83	62	Calm	N 2	4	4	......
26..	60.11	57.59	23.4	32.6	84	48	Calm	NNW 3	0	0	......
27..	58.68	57.16	24.2	32.5	85	60	Calm	NNW 3	0	2	......
28..	59.20	57.75	25.2	29.5	85	66	Calm	NW 2	10	10	1.5
29..	59.24	57.06	23	32.3	91	57	Calm	N 3	2	0	13.7
30..	58.76	56.62	23.6	31	90	62	Calm	N 2	0	0	......
31..	58.72	57.16	24	29.8	86	71	Calm	NW 2	0	10	......
Mean	60.26	58.47	23.2	30.5	87.7	63	0.3	2.5	2.6	3.1	......
Total											25.4

APRIL.

	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.51	58.38	23.4	30.5	86	62	Calm	N 2	4	10	......
2..	59.34	58.28	22.8	31.6	88	59	S 1	NW 3	7	2	......
3..	59.99	58.80	23.8	31.4	73	55	Calm	N 3	0	7	......
4..	59.07	58.38	22.5	30.8	82	63	Calm	N 3	0	0	......
5..	59.97	58.33	22	31	88	61	Calm	N 2	0	4	......
6..	60.50	58.33	24.5	31.4	76	56	Calm	NW 3	0	4	......
7..	60.10	57.62	24.6	32.3	91	55	Calm	N 3	0	3	......
8..	58.24	56.15	22	30	82	67	Calm	NNW 2	0	10	......
9..	56.82	55.52	25	30.4	92	72	Calm	N 2	10	7	1.3
10..	57.32	55.94	23.8	32	93	63	Calm	NE 3	4	0	......
11..	58.12	55.73	25	31.8	82	62	Calm	N 2	2	5	......
12..	58.02	55.76	23.1	33.8	85	48	Calm	NW 3	0	0	......
13..	58.02	55.94	24.4	31.8	72	61	Calm	NNW 3	0	7	......
14..	57.90	57.75	24.6	27	93	87	Calm	Calm	0	10	8.4
15..	59.42	57.55	24	32	91	65	Calm	NNW 3	1	2	......
16..	59.25	57.49	23.8	32.2	83	54	Calm	NW 4	0	0	......
17..	58.84	56.56	23.2	32.6	75	54	Calm	NNW 3	0	0	......
18..	58.74	57.76	23.6	32.5	85	54	Calm	NE 2	0	0	......
19..	59.25	57.98	22.6	32.1	81	50	SSE 1	N 2	0	0	......
20..	59.85	57.79	23.9	32.4	79	60	Calm	NNW 3	3	4	......
21..	60.30	57.56	24	32.4	70	52	Calm	N 2	6	4	......
22..	59.53	57.68	23	31.4	83	62	Calm	N 3	6	4	......
23..	60.29	58.10	24	31	83	65	Calm	NW 4	0	8	......
24..	60.21	58.03	24	32.8	83	62	Calm	N 4	0	0	......
25..	59.69	57.58	24.4	33.0	85	59	S 1	N 3	0	7	......
26..	59.62	57.31	24.6	31.5	83	57	Calm	N 2	4	8	......
27..	58.75	56.48	25.2	31	80	63	Calm	NW 2	10	10	......
28..	58.60	56.40	25.0	30.1	83	69	Calm	NW 2	0	10	......
29..	58.05	56.74	24.5	30.6	89	70	Calm	N 2	10	10	8.9
30..	58.52	56.77	23.4	32.4	93	60	Calm	NW 2	5	0	......
31..											......
Mean	59.06	57.29	23.8	31.5	83.6	60.9	0.1	2.6	2.4	4.5	......
Total											18.6

CAGAYAN

[φ=8° 29′ N; λ=124° 38′ E; barometer above sea, 13 meters; gravity correction not applied, −1.89 mm.]

Day.	MAY.[a]											JUNE.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	58.57	56.36	23.6	33	86	52	Calm	N 3	0	0												
2..	58.64	56.67	23.2	33.4	90	50	Calm	NW 2	0	4												
3..	58.12	56.58	24	33.8	83	54	Calm	NNW 2	0	0												
4..	58.04	56.69	24	31.8	81	60	Calm	N 4	2	2												
5..	58.73	57.60	23.6	33.4	85	53	Calm	N 3	0	0												
6..	59.02	56.98	24	31.6	80	60	Calm	N 2	0	5												
7..	58.45	56.73	25.4	32	88	60	Calm	N 3	4	7												
8..	57.82	56.70	24.6	31.6	83	62	Calm	NNW 2	0	0												
9..	58.43	56.67	24.3	32.3	86	59	Calm	N 2	4	0												
10..	58.40	56.61	24.4	32	80	57	Calm	NW 2	0	0												
11..	57.17	55.99	25.2	31.6	83	60	Calm	N 1	0	0												
12..	58.15	56.43	25.2	30.4	83	69	Calm	NNW 2	0	7												
13..	57.72	56.28	24.5	32.8	84	62	Calm	N 4	3	2												
14..	57.67	56.21	25.1	33.4	83	57	Calm	NW 2	10	8												
15..	57.76	55.74	25.5	31	88	65	Calm	N 2	7	8												
16..	57.17	55.48	26.4	32.5	81	62	Calm	N 2	10	10												
17..	57.28	55.56	27	32.8	78	63	S 1	NNW 2	7	10												
18..	57.95	55.36	25.6	33.5	81	58	S 1	N 3	7	8	38.6											
19..	58.52	56.34	25.6	31.6	79	68	Calm	NNW 2	7	7												
20..	59.07	57.61	26	30.8	85	69	Calm	N 2	0	10												
21..	59.22	57.51	24.9	31.6	87	67	Calm	N 2	4	7												
22..	58.70	56.48	25	32	83	61	Calm	NW 2	7	4												
23..	58.20	56.58	25	32.2	88	65	Calm	N 2	7	7	9.9											
24..	58.62	57.48	24.6	31.5	90	65	Calm	N 2	10	10												
25..																						
26..																						
27..																						
28..																						
29..																						
30..																						
31..																						
Mean	58.23	56.53	24.9	32.2	84	60.8	0.1	2.3	3.7	4.8												
Total											[b]48.5											

Day.	JULY.											AUGUST.										
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..												57.58	55.78	23.4	33.5	90	57	Calm	Calm	0	7	
2..												57.82	56.26	25	30.7	83	58	Calm	W 2	10	10	
3..												57.62	55.46	24	30.8	91	59	Calm	W 1	10	10	6.4
4..												57.14	55.48	24.6	33	93	55	Calm	Calm	10	10	3.8
5..												57.72	56.01	24.7	34	89	56	Calm	NW 2	10	10	
6..												58.39	56.07	25.2	33.4	90	53	Calm	Calm	10	10	
7..												56.80	53.74	24.5	34.4	87	52	Calm	N 2	2	0	
8..												55.52	53.85	27.5	34.4	84	51	Calm	NW 3	1	3	
9..												56.40	54.91	26.4	32.8	81	55	Calm	NW 3	1	10	
10..												56.67	55.14	25.2	34	88	52	Calm	N 2	10	3	
11..												56.93	54.29	24.8	34	88	44	Calm	SW 2	10	6	
12..												56.97	54.83	26	34.8	79	42	S 1	SW 4	10	7	
13..												57.45	55.56	25	35.4	76	37	Calm	S 2	10	2	
14..												58.82	56.91	24	33.3	83	60	Calm	NW 1	4	2	
15..												59.09	56.81	25.4	34.7?	85	55?	Calm	N 2	10	2	
16..												59.70	57.78	24.4	33	87	47	Calm	N 2	10	2	
17..												59.02	57.48	23.3	32.4	85	56	Calm	N 3	1	2	
18..												58.80	56.36	25.4	34	84	51	Calm	W 2	10	10	
19..												58.62	56.85	25.5	31.8	88	59	Calm	N 2	10	10	
20..												58.07	56.36	24.4	34.3	93	47	Calm	SW 2	10	6	
21..												59.15	56.96	25	33	73	63	Calm	N 2	7	4	
22..												58.82	57.13	23.5	33.4	84	55	Calm	NW 2	7	2	
23..												58.87	57.01	23.8	32.8	83	48	Calm	N 2	7	6	
24..												58.24	56.06	23	34	83	49	Calm	N 2	0	2	
25..												57.89		23.8	32.6	85	64	Calm	N 3	10	7	6.4
26..														23.8	31.3	81	66	Calm	NW 2	10	1	
27..													57.73	22?	31.8	95?	59	Calm	W 2	10	2	
28..												58	56.46	24.8	32	87	59	Calm	NW 2	3	7	
29..												56.79	55.36	24.1	31.8	82	61	Calm	NW 1	8	10	
30..												57.70?	56.38	25.4	31.8	82	51	Calm	Calm	2	0	
31..												58.69	56.16	23.4	32.8	93	53	Calm	N 2	7	7	
Mean												57.91	56.04	24.6	33.1	85.5	54	0	1.8	7.1	5.5	
Total																						16.6

[a] Station temporarily closed from May 25 to July 31.

[b] 24 days of observation.

CAGAYAN

[ϕ=8° 29′ N; λ=124° 38′ E; barometer above sea, 13 meters; gravity correction not applied, −1.89 mm.]

Day.	SEPTEMBER.											OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	57.90	55.58	24.8	33.8	83	54	Calm	NW 2	10	0	8.9	58.14	57.10	23	29	91	72	Calm	NW 2	10	10	11.4
2..	58.89	57.28	23.2	33.2	88	62	Calm	NNW 2	1	7	......	58.24	55.53	23.2	30	88	67	Calm	W 2	2	0	......
3..	59.82	57.59	23.2	32.5	90	66	Calm	NW 1	2	1	......	57.97	56.28	23.6	30.5	88	65	Calm	Calm	0	10	......
4..	59.75	57.68	26.4	32.4	82	65	Calm	N 2	1	2	......	58.47	56.87	22.8	30.5	91	62	Calm	N 2	1	1	......
5..	59.27	56.63	23.2	31.6	83	64	Calm	Calm	10	7	......	58.85	56	24.8	30.2	88	66	Calm	N 1	2	3	......
6..	58.12	56.97	21.6	27	86	80	Calm	Calm	10	0	9.7	58.92	56.43	24.4	29	91	74	Calm	NW 1	2	0	44.4
7..	57.84	56.94	24.6	24.4	81	91	Calm	Calm	10	10	16.5	59.52	55.96	24	30.8	91	69	Calm	W 2	10	10	5.3
8..	58.24	56.45	23.5	28	87	80	Calm	Calm	10	10	31.2	58.87	56.72	24.4	24.6	88	87	Calm	Calm	5	10	2
9..	59.02	56.75	23.8	29.6	83	70	Calm	Calm	10	10	2	58.34	57.95	23.4	27	91	84	Calm	Calm	10	10	......
10..	57.72	55.90	22.5	28.8	90	73	Calm	N 2	10	10	1.3	58.69	56.93	23	30	87	65	Calm	N 1	10	2	......
11..	56.73	55.33	23.6	29.4	86	71	Calm	Calm	10	10	6.4	59.52	57.33	23.1	30	92	69	Calm	Calm	10	10	......
12..	56.04	54.59	23	30.4	98	65	Calm	Calm	10	10	2.5	60.32	58.50	24	28.4	90	80	Calm	Calm	10	10	36.8
13..	56.57	55.08	23.4	32.8	90	53	Calm	NW 2	10	10	......	59.42?	58.57?	24	23.4	98	97	SW 1	Calm	10	10	98.1
14..	58.02	55.58?	24.5	30.4	86	68	Calm	NW 2	10	10	......	56.92?	53.85	22.5	28	94	73	Calm	N 1	10	10	......
15..	57.72	56.30	24	30.2	95	73	Calm	N 2	3	10	44.4	57.41	55.58	23.4	29.4	97	75	Calm	Calm	1	10	......
16..	58.43	56.63	23.8	28.8	88	73	Calm	N 2	10	10	3.8	58.34	56.20	23	30.6	86	64	Calm	NW 1	2	5	......
17..	59.45	58.04	23.2	28.3	91	78	Calm	Calm	10	10	......	58.95	57.10	25	30.4	79	68	Calm	NW 1	0	3	......
18..	59.64	58.53	23.2	28.2	90	79	Calm	N 1	2	10	......	58.44	56.70	23.1	30.6	80	65	Calm	N 1	1	4	......
19..	60.02	57.27	23.8	30	91	67	Calm	N 2	4	4	......	58.94	56.48	23.5	31.3	89	63	S 1	N 2	7	2	......
20..	58.97	56.85	24.8	30.4	92	72	Calm	N 2	0	3	......	58.59	57.93?	24.6	26.5	88	83	Calm	NW 1	10	10	15.7
21..	59.90	56.50	24	30.4	87	69	Calm	Calm	4	2	......	59.02	57.43	21.0	30.1	95	68	Calm	N 1	4	2	......
22..	58.79	56.80	24.2	31.3	91	70	Calm	N 2	1	7	......	59.27	57.13	23.2	30	88	74	S 1	W 2	1	0	......
23..	58.34	56.30	24.6	30.8	87	67	Calm	N 1	2	3	......	58.97	57.58	25.4	30.2	82	69	Calm	N 2	0	2	......
24..	58.40	56.52	25	30.5	87	71	Calm	N 2	0	2	......	59.22	56.93	23.6	30.5	90	65	Calm	N 2	0	0	......
25..	58.04	56.20	23.5	31	87	69	Calm	N 2	0	3	14	59.62	57.48	23.4	29.8	93	75	Calm	N 2	0	4	1.3
26..	58.33	56.85	22	31.4	94	68	Calm	NW 2	0	3	......	59.59	58.18	22.5	30	87	69	Calm	Calm	8	0	......
27..	58.45	56.70	24.8	31.2	83	64	Calm	N 2	0	0	......	59.99	58.20	21.6	30.5	89	71	Calm	N 1	0	0	......
28..	58.51	56.48	23.4	30	88	74	Calm	NW 1	0	0	8.9	59.14	56.95	23.8	31.2	90	61	Calm	N 2	0	3	......
29..	58.89	56.53	24.5	31	89	75	Calm	NW 2	0	0	......	58.29	55.80	23.2	30.4	93	68	S 1	N 1	0	4	......
30..	58.82	56.53	23.2	29.5	93	77	S 1	NW 2	8	3	......	58.02	56.35	23	28.5	90	77	Calm	NNW 1	0	8	3.8
31..	......	......	......	......	......	......	......	......	......	......	......	58.62	57.40	23	30.4	93	66	Calm	N 2	4	0	......
Mean	58.49	56.58	23.8	30.2	88.2	70.3	0	1.3	5.3	5.6	......	58.79	56.89	23.5	29.4	89.6	71.3	0.1	1.1	4.2	4.9	......
Total	......	......	......	......	......	......	......	......	......	......	149.6	......	......	......	......	......	......	......	......	......	......	218.8

Day.	NOVEMBER.											DECEMBER.										
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	58.97	57.30	23.4	30.8	85	63	Calm	N 1	0	7	......	57.89	56.62	24	29.7	83	69	Calm	N 1	0	0	......
2..	59.07	56.44	24.6	30.4	80	68	Calm	N 2	2	7	......	58.34	56.45	22.2	29.7	89	69	Calm	NW 2	0	0	1
3..	57.72	55.98	23.8	31.7	88	70	Calm	NW 2	0	0	......	57.57	55.74?	23.6	24.6	86	87	Calm	Calm	10	10	15.7
4..	57.94	55.83	23.8	30.5	80	65	Calm	Calm	0	7	......	56.14	54.45	23	26.4	94	85	Calm	Calm	0	0	10.9
5..	58.12	55.78	24.5	32	81	69	Calm	N 2	0	7	......	57.67	55.65	24.4	29	89	71	Calm	NW 1	0	0	3
6..	57.24	55.63	22.4	31.2	88	61	Calm	NW 1	0	0	42.9	57.99	56.40	22.2	29.8	90	71	Calm	N 1	0	0	......
7..	58.37	56.53	23	30.8	92	62	Calm	Calm	0	4	44.4	58.07	56.63	24.4	29.2	91	67	Calm	N 1	0	0	9.9
8..	58.67	56.63	24.4	29	89	74	Calm	N 1	0	8	49.3	59.79?	56.33	23.4	28.8	86	73	Calm	NNW 1	0	0	.8
9..	59.05	56.45	24.4	28	85	79	Calm	Calm	0	10	1.3	57.74	56.45	22.4	28.4	92	72	Calm	Calm	0	10	......
10..	58.56	55.98	23.4	30.7	88	63	S 1	N 2	10	1	......	59.14	56.36	23.2	28.4	88	75	Calm	NNW 1	10	10	......
11..	57.93	55.68	23.2	30.4	92	65	S 1	N 2	10	3	......	59.12	56.73	24.3	30.2	84	62	Calm	NW 1	0	0	......
12..	58.12	56.33	24.2	29.8	91	75	Calm	N 1	10	0	......	59.12	56.66	24.2	30	88	74	Calm	Calm	1	3	......
13..	58.39	56.58	24.6	30.2	93	66	Calm	N 1	0	10	......	58.62	55.75	24.4	28.8	80	72	Calm	N 1	0	10	......
14..	58.92	56.48	23	31.4	91	61	Calm	NW 2	10	2	......	57.37	55.58	21.5	30	95	65	Calm	NNW 1	0	0	......
15..	58.34	56.18	24	32	91	66	Calm	N 1	4	7	......	58.44	56.48	23.8	29.5	83	65	Calm	NNW 1	0	0	......
16..	57.64	56.14	23	30.4	91	78	Calm	N 1	0	0	......	58.82	56.83	24.2	29.5	91	68	Calm	N 1	0	0	......
17..	57.62	55.93	26	30	88	70	Calm	NNW 1	2	3	35.1	59.22	58.63?	24	29.5	83	68	Calm	N 2	0	0	......
18..	58.94	56.56	23	31.4	91	70	Calm	NNW 1	2	2	6.4	59.67	58.53	21.4	30.4	89	69	Calm	N 3	0	0	......
19..	59.32	56.08	23.9	30	87	67	Calm	N 1	0	0	......	59.12	58.10	24	30.8	91	63	Calm	N 1	0	0	......
20..	58.97	56.33	24.8	30.2	89	69	Calm	NNW 1	0	3	......	59.94	58.75	24	28.5	96	74	Calm	NNW 1	0	10	......
21..	58.10	55.68	25.2	30.4	91	74	Calm	N 2	0	0	......	60.24	56.93?	23.2	30	90	64	Calm	NW 2	1	0	......
22..	58.81	56.47	24.2	30.3	82	67	Calm	NW 2	2	1	9.4	59.90	57.73	24	30.2	91	68	Calm	NW 1	1	0	10.4
23..	58.86	58.54	23.8	24.5	86	89	Calm	Calm	10	0	8.4	59.67	57.73	21.6	30	91	67	Calm	NW 1	0	0	......
24..	59.54	57.45	23.1	29.6	91	70	Calm	N 2	10	10	......	58.64	57.05	23	28.8	91	76	Calm	N 1	10	0	......
25..	59.62	56.66	24.5	29.9	87	68	Calm	N 1	0	0	......	58.74	56.98	22.6	29.3	93	70	Calm	N 1	0	0	......
26..	59.24?	56.76	24.1	26.3	91	83	Calm	Calm	10	10	......	59.72	57.22	24	29.2	90	75	Calm	N 1	1	0	......
27..	57.92	56.48	24.5	29.2	88	75	Calm	N 1	1	10	......	58.99	57.43	22.8	29.5	89	75	Calm	NW 1	0	0	......
28..	59	56.93	25	30.4	92	66	Calm	NW 1	0	0	......	59.62	57.53	24.2	30.3	83	70	Calm	NW 1	0	0	......
29..	59.04	56.88	22.6	30.4	86	66	S 1	N 1	0	0	......	59.34	56.70	23.2	31	88	65	Calm	N 1	3	0	......
30..	58.44	56.30	22.8	29.3	84	70	Calm	NW 1	3	2	......	58.82	57.33	24.3	30.5	81	68	Calm	N 2	0	0	......
31..	......	......	......	......	......	......	......	......	......	......	......	59.62	57.29	24	30.5	83	71	Calm	NW 1	0	0	......
Mean	58.55	56.43	23.9	30	87.9	69.6	0.1	1.1	2.9	3.8	......	58.81	56.87	23.4	29.4	88.3	70.6	0	1.1	1.2	1.7	......
Total	......	......	......	......	......	......	......	......	......	......	197.2	......	......	......	......	......	......	......	......	......	......	51.7

BUTUAN

[φ=8° 56′ N; λ=125° 32′ E; barometer above sea, 2 meters; gravity correction not applied, —1.88 mm.]

Day.	JANUARY.											FEBRUARY.										
	Pressure, 700 mm. +		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm. +		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	60.23	59.01	23	26.9	96	90	SSE 1	NNW 1	4	9	7.4	61.99	60.30	21.2	29	98	74	SSE 1	NW 1	8	6	1.3
2..	60.14	58.46	23.7	27.4	98	86	S 3	N 3	3	9	15.8	61.88	60.43	21.5	28	97	75	Calm	Variable 1	8	9	8.4
3..	61	58.95	23.5	30.6	98	71	SSE 1	NNW 2	3	6	.3	62.64	60.42	21.8	30.4	96	68	NE 1	NNE 3	3	6	1
4..	61.02	59.77	23	28.5	97	75	S 1	NNW 2	6	8	.3	62.50	61.32	22.5	25.5	97	84	Calm	Calm	10	10	4.8
5..	61.20	59.86	22	28.2	99	80	Calm	NNW 1	9	6	18.5	63.73	61.49	21.1	28.1	99	74	Calm	W 1	7	10	5 1
6..	62.55	61.19	22	31.1	99	61	NNE 1	NNE 1	7	6	2.8	64.52	61.31	20.8	31.1	98	51	E 1	SSE 5	6	6	......
7..	61.60	59.90	23.1	30.2	99	65	SSE 1	SE 2	9	7	2.3	63.75	61.56	21.1	28.7	94	72	NE 1	N 1	6	9	4.5
8..	61.81	59.35	22.1	29.7	97	67	S 1	NNW 2	8	7	.3	62.73	61.16	22.1	27.5	96	85	E 1	WNW 1	7	9	3
9..	60.60	58.25	20.2	31.5	93	62	E 1	NNE 2	5	3	......	62.48	60.62	21.5	30.9	97	57	S 2	N 2	2	4	......
10..	59.50	58.65	21.1	26.9	99	84	Calm	N 2	8	7	6.4	61.96	60.12	21.7	30.8	98	67	E 1	SSE 3	9	4	......
11..	59.45	57.85	21.5	29.9	97	71	NE 1	N 2	2	7	.6	62	60.55	23.1	28.1	96	74	SE 2	N 1	7	10	1.8
12..	59.84	58.16	22.5	31.7	97	62	E 1	S 1	8	7	......	61.32	60.22	21.7	27.6	99	76	Calm	SSE 2	2	9	.3
13..	60.44	58.95	22	31.6	99	54	ESE 1	SE 2	10	5	......	61.36	59.98	22.5	29.4	96	72	S 3	S 1	1	5	5.6
14..	61.70	60.95	21	30.6	99	58	WSW 1	N 2	5	3	......	61.23	59.67	20.1	31.4	98	64	Calm	N 2	3	5	9.7
15..	62.36	60.57	17.5	30.5	97	55	S 1	N 2	3	2	......	61.68	60.29	22.9	27	97	89	Calm	NW 3	8	6	2.8
16..	61.65	60.57	20.5	26.6	96	80	S 1	N 2	6	10	.8	61.37	59.46	22.1	30.1	99	71	E 1	NNW 3	10	3	.5
17..	62.18	60.96	22.1	27.5	99	81	ENE 1	NNW 3	9	9	2.5	60.07	58.35	23.8	30	97	73	E 1	NNW 3	10	7	......
18..	63.04	61.74	22.6	26.7	99	82	Calm	SW 1	10	7	.8	59.70	58.25	24.1	29.8	98	69	Calm	NNW 3	9	7	16.7
19..	63.03	61.47	19.7	29.3	98	62	SW 1	NW 4	4	4	......	60.57	58.42	22.6	30.8	99	67	E 1	NNE 2	8	7	......
20..	62.62	60.30	18.2	29.3	98	64	Variable 1	WNW 4	1	3	.3	60.63	58.47	23	30.6	96	73	ESE 1	N 1	5	7	6.9
21..	62.04	60.35	22.6	24.6	98	98	NE 1	W 2	10	9	50	59.74	58.22	23.6	28.5	98	84	SE 1	NNW 1	7	10	8.9
22..	61.83	60.57	22.5	24.3	99	97	Calm	WNW 1	10	10	22.1	58.82	57.25	23	28	100	83	Calm	SW 1	7	7	1.1
23..	61.20	59.64	22.6	28.7	99	80	SSW 1	E 1	7	7	7.4	58.80	57.69	22.4	25.7	97	94	Calm	SSE 1	7	10	7.1
24..	60.20	58.93	23	30	98	78	S 2	NNE 2	6	7	1.3	60.10	57.78	21.6	30.9	99	61	ENE 1	SSW 1	4	7	......
25..	60.38	58.82	22.7	30.1	98	68	S 2	SSW 2	3	5	.3	59.69	58.27	20.5	28.3	99	68	ESE 1	NW 3	9	10	......
26..	60.77	59.68	22.3	27.6	97	69	ENE 1	S 1	9	10	.6	59.80	59.02	23.1	27.2	96	75	NNE 1	NW 2	10	8	......
27..	60.94	58.93	20.2	31.1	99	56	Calm	NNW 2	10	3	1.3	61.03	59.12	20.5	31.3	96	58	E 1	SW 1	7	5	1
28..	60.89	59.28	22.2	30.5	98	60	SSW 1	N 2	10	2	.5	60.61	59.08	21.8	28.5	95	73	SSE 1	ESE 1	7	9	8.9
29..	60.68	59.51	21	30.5	96	66	S 1	S 3	7	7	1.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30..	61.13	59.40	22	28.5	96	78	S 2	N 2	2	9	6.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31..	61.30	59.46	23	30.5	97	66	ESE 1	N 2	10	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	61.20	59.66	21.8	29.1	97.7	71.8	1	2	6.6	6.4	.....	61.31	59.60	22.1	29	97.3	72.5	0.8	1.8	6.7	7.3	.....
Total	....	....	....	....	....	....	....	....	....	....	153	....	....	....	....	....	....	....	....	....	....	99.4

Day.	MARCH.											APRIL.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.63	58.73	23.6	26.2	99	91	ENE 1	NW 1	10	10	23.9	59.90	58.01	22.9	33	95	58	SE 2	NNW 3	7	6	......
2..	59.63	58.52	23.5	30.6	99	69	S 1	NW 1	10	8	.8	59.95	58.55	22.6	33.1	97	55	S 3	E 1	4	7	......
3..	61.18	59.70	20.8	29.3	99	63	Calm	N 2	4	10	......	60.22	57.48	23.2	34.3	97	45	SE 1	ENE 3	6	6	......
4..	61.07	59.98	23.5	27.5	96	81	S 1	W 1	8	9	3	59.41	58.04	21.2	33.5	95	43	SE 4	N 3	1	2	......
5..	61.66	60.01	21.5	28.5	99	70	S 1	NW 3	7	9	1.8	60.40	58.14	22	32	95	58	SE 2	N 2	2	6	......
6..	61.58	59.10	22.8	32.2	97	45	E 1	Variable 1	3	4	......	60.58	58.56	21.9	30.9	96	60	SSE 2	NNW 4	3	7	......
7..	60.73	59.33	23	27.6	93	76	E 1	NNW 2	9	8	......	60.42	57.76	23	31.2	97	60	E 1	NNW 3	9	2	......
8..	60.75	58.40	21.9	31.8	97	56	S 1	NNW 3	10	4	......	57.76	56.21	23.8	25.1	97	97	NNW 1	SSW 1	9	10	30.5
9..	60.85	59.17	22.2	26.9	96	86	S 2	NNE 3	6	9	4.8	57.65	55.42	24	31	97	63	SE 2	SSE 3	8	7	......
10..	60.85	60.01	23.4	27.5	96	80	S 2	NNW 1	7	10	.3	57.89	56.09	24	34	95	46	SSE 2	S 4	6	6	......
11..	61.09	58.61	20.8	31.4	97	64	S 1	NNW 3	3	4	......	58.55	55.94	24.2	34.1	95	56	SSE 2	ESE 3	7	5	......
12..	61.35	60.47	23.1	25.5	96	92	SSE 1	Calm	10	10	1.6	58.51	56.48	23.5	31.6	92	56	SSE 3	S 4	1	5	......
13..	61.12	59.70	22.5	31.1	98	60	E 1	N 3	4	7	......	58.64	56.74	24.5	26.1	90	96	NE 1	SW 1	9	10	9.9
14..	61	59.09	22.6	30.2	98	64	S 2	NNW 4	7	3	.8	58.64	58.78	24.5	25.4	97	93	Calm	NNW 1	10	10	62.3
15..	60.88	59.94	23.5	26.6	97	90	SSE 2	S 1	7	10	12.7	59.89	57.77	22.9	30.9	97	72	ENE 1	WNW 3	3	5	4.6
16..	60.97	59.51	22	27.1	99	87	SSE 1	N 2	8	9	17.6	60.15	57.54	22.9	32	93	61	S 1	N 3	2	5	......
17..	60.65	59.02	23.5	30.5	97	72	SSE 3	NNW 3	9	7	29.5	59.19	56.85	23.7	32.7	91	57	S 2	NW 1	8	4	......
18..	61.25	60.14	22.8	30.2	97	71	N 1	N 3	2	6	.3	58.98	57.53	23.1	32.5	97	59	SSE 1	NNW 2	2	3	......
19..	61.68	60.58	23.7	27.1	97	84	SSE 3	S 3	5	8	......	59.73	58.05	23.6	27.9	95	81	S 1	NNW 2	1	7	26.6
20..	61.78	59.94	23.6	28	96	77	SE 3	N 2	2	9	.8	60.83	58.56	23.1	29.9	96	69	SSE 1	NNW 3	3	7	.5
21..	60.98	59.01	21.5	31.1	95	60	ESE 2	W 2	2	4	......	60.88	58.45	22.6	29.5	99	78	Calm	S 1	6	8	1.5
22..	61.41	58.39	21.3	33	97	52	E 1	S 2	2	2	......	59.95	58.03	23.4	30.1	99	67	SSE 1	WSW 1	10	9	1.1
23..	60.78	58.33	22	31.9	96	58	ESE 1	NNW 3	2	7	2	60.68	58.56	24	28.3	97	79	SSE 1	SSW 1	9	7	.3
24..	59.99	58.50	23.6	29.7	97	70	E 1	WNW 2	2	7	......	60.58	58.31	23.5	31.6	97	66	E 1	N 3	1	6	.5
25..	59.82	58.04	22.6	32.7	98	55	E 2	N 3	2	5	......	60.19	58.26	23.6	30.5	98	71	S 1	N 1	4	10	......
26..	60.67	58.16	22	31.5	99	57	S 1	N 3	10	7	1.5	60.19	57.34	23	32	96	64	E 1	NNW 3	6	8	1.3
27..	59.30	57.59	23	32.9	100	56	Variable 1	N 3	10	6	4.3	59	57.20	24.5	31	93	69	E 1	NNW 1	9	10	2.3
28..	59.54	58.65	24.5	27.4	97	86	Calm	Calm	10	10	1.5	58.19	57.05	23.5	26.6	97	90	S 1	E 1	10	10	1.3
29..	59.58	58	23.5	29.4	97	72	SSE 1	NNW 1	8	9	......	58.69	57.36	24.1	29.2	98	76	SSE 1	S 3	10	10	1.8
30..	59.04	56.85	23.4	32.5	97	56	S 1	N 3	8	3	......	59.32	56.85	23.5	33.2	97	61	ESE 1	N 3	2	5	3
31..	58.97	57.46	23.4	28.5	97	84	S 2	SSE 1	7	9	.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	60.64	59	22.7	29.6	97.2	70.5	1.4	2.1	6.3	7.2	....	59.50	57.53	23.3	30.8	95.8	66.9	1.4	2.3	5.6	6.8	.....
Total	....	....	....	....	....	....	....	....	....	....	107.5	....	....	....	....	....	....	....	....	....	....	147.5

BUTUAN

[ϕ=8° 56′ N; λ=125° 32′ E; barometer above sea, 2 meters; gravity correction not applied. —1.88 mm.]

MAY.

Day	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	59.28	56.91	23.6	33.3	99	60	SE 1	SE 2	6	5	......
2	59.34	57.10	21.8	32	97	60	NW 1	N 3	1	7	......
3	59.02	57.71	22.5	28.4	96	75	ENE 1	WSW 1	5	9	1.3
4	58.85	57.52	23.1	31.4	97	61	E 1	N 3	5	7	.8
5	59.88	58.11	23.9	33.6	95	61	SSE 3	SSE 2	8	6	......
6	59.53	57.53	24.6	29.2	95	76	S 1	N 2	7	7	8.4
7	59.35	56.90	24.2	31.6	96	62	ESE 1	NNW 3	4	3	......
8	58.45	57.01	23.6	31.1	99	65	SE 1	NNW 2	5	5	17.5
9	59.35	56.81	23.7	32	98	66	SE 2	N 2	8	6	......
10	58.74	56.61	24	33.4	95	62	E 1	NNE 2	2	6	......
11	58	55.96	24	34	96	53	SSE 2	S 1	3	4	......
12	58.62	56.24	25	33.6	94	64	ESE 2	E 2	5	7	......
13	58.25	56.30	24	32.6	94	59	S 3	S 2	3	7	1
14	57.99	56.63	24.1	29.1	97	74	E 1	S 2	7	10	......
15	57.74	55.69	24	31.3	97	66	ESE 1	N 3	7	8	17
16	57.48	55.49	24.5	31.5	99	66	S 2	NNW 3	7	6	......
17	57.56	54.89	25	34.7	95	56	SE 1	S 2	6	7	......
18	57.65	55.53	25.5	32.6	95	68	S 2	N 3	6	8	......
19	58.51	56.03	25.3	34.5	95	54	S 2	SSW 2	3	6	4.6
20	58.81	57.79	25.2	26.4	94	94	SSE 2	SSE 1	5	10	10.7
21	59.58	57.51	24.5	32	97	69	SSE 3	NW 2	6	8	26.2
22	59.09	56.84	23.9	32.4	93	68	ESE 1	S 4	3	8	.6
23	58.98	57.26	25	27.5	97	88	SSE 2	S 1	7	8	4.1
24	58.95	57	24.6	32.5	99	63	SSE 2	SE 1	8	7	......
25	59.33	57.18	24.5	32.4	96	64	ESE 1	NW 3	6	6	......
26	58.85	56.52	24.2	32.6	97	58	ESE 1	NNW 2	5	5	......
27	57.79	55.28	24.6	32	97	66	SSE 1	N 3	3	7	......
28	57.58	55.45	24.2	32.7	95	62	SE 1	NNW 2	7	7	13.5
29	57.25	55.87	23.8	27.5	98	92	S 3	N 2	9	9	16.6
30	57.69	56.06	24.6	30.5	99	78	S 2	SSW 1	7	9	.5
31	59.10	57.10	24.3	32.6	97	57	SE 1	Variable 2	7	6	8.4
Mean	58.60	56.61	24.2	31.6	96.4	66.7	1.6	2.2	5.5	6.9	......
Total	....	....	....	....	....	....	....	....	....	....	131.2

JUNE.

Day	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	58.74	57.51	24.2	26.7	97	91	S 3	WNW 1	7	9	4.4
2	57.78	55.45	24.5	29	97	89	SE 1	N 2	8	9	17.5
3	57.14	55.85	24.5	27.6	99	90	SE 1	SE 1	10	10	.6
4	57.13	55.59	24.5	31.6	99	70	S 1	N 2	9	8	12.4
5	58.19	57.59	24.5	26.5	98	89	ESE 1	NW 1	9	10	2.1
6	58.54	57.41	24.1	27.5	99	87	S 1	NNW 2	10	10	3.6
7	58.48	56.85	24.5	26.4	100	94	S 1	NE 1	10	10	41.4
8	57.12	56.18	24.9	28.1	93	83	NNW 2	N 2	10	10	1.5
9	56.97	55.83	24.1	31.1	98	75	S 2	NNW 1	10	9	33
10	57.21	56.30	23.6	31	97	73	S 2	S 2	10	9	3
11	57.90	56.49	23.7	31.6	98	62	SSE 1	NNW 2	9	6	.8
12	58.26	56.48	23.5	30.6	96	71	SSE 2	S 3	8	10	3.8
13	58.99	57.26	23.2	30.1	98	72	S 1	NNW 1	4	7	......
14	58.85	57.39	23.6	31.4	98	63	SSE 1	ESE 1	10	8	1
15	59.09	57.06	23.9	33.4	96	57	ESE 1	NNW 2	10	6	.5
16	59.64	57.65	22.6	32.4	97	61	S 2	NNW 3	6	4	......
17	59.70	57.42	23.8	28.6	97	80	SSE 1	NNE 2	7	9	......
18	58.74	56.82	23.7	29.2	97	79	SSE 2	SSE 1	10	10	......
19	58.15	55.56	24.2	30.9	97	66	ENE 1	NNW 1	10	7	2
20	57.76	56.86	24.1	30.5	99	68	SSE 2	N 4	6	7	.8
21	58.98	57.56	22.9	31.5	96	63	S 2	NNE 3	7	5	......
22	59.88	58.32	23.9	30.1	93	71	S 2	WNW 1	7	10	6.9
23	58.77	57.56	23.5	29	98	78	SSE 1	NNW 1	1	10	.8
24	58.84	57.66	23.6	26	97	93	ENE 1	ENE 1	9	10	32.5
25	58.18	56.31	22.7	29.1	99	77	ENE 1	WNW 1	10	10	2.5
26	57.78	56.43	23.2	29.6	98	66	ESE 2	NNW 2	7	9	......
27	58.28	56.63	23.4	33.4	96	67	SSE 2	SSE 3	6	5	.8
28	59.23	57.20	24	31.9	93	63	SSE 2	NNE 2	6	4	......
29	58.81	57.02	23.5	28	97	88	SSE 1	NNE 1	8	10	8.6
30	57	55.80	23.5	25.8	98	86	E 1	NNW 3	10	10	.3
31	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
Mean	58.34	56.80	23.8	29.6	97.2	75.7	1.5	1.8	8.1	8.4	......
Total	....	....	....	....	....	....	....	....	....	....	180.8

JULY.

Day	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	55.28	54.44	23.5	26	96	87	SSE 1	N 1	9	10	13.7
2	58.12	57.72	23.2	29.4	98	74	SSE 2	S 2	10	10	......
3	60.65	58.81	24.4	30.6	93	68	SSE 2	SSE 3	10	9	......
4	60.14	58.29	22.9	30	98	75	S 1	NNW 2	5	9	7.9
5	59.69	57.56	23.1	30	100	71	Calm	NNW 2	7	9	19.8
6	59.83	58.08	22.6	31	99	69	SSE 1	S 1	9	9	......
7	60.13	59.31	24	31	94	69	SSE 1	NNE 3	3	6	......
8	60.63	58.72	23.6	31.6	97	63	ESE 1	NNW 3	3	7	......
9	59.53	57.46	24.1	33	91	58	SSE 2	N 3	7	8	......
10	59.09	57.05	23.5	29.4	97	72	SSE 2	NW 3	7	8	......
11	59.29	56.99	23.1	32.2	99	57	SSE 2	NNE 2	4	7	......
12	59.78	58.01	24	32.2	97	60	E 1	N 3	2	8	......
13	58.92	57.99	24	26.7	97	86	SSE 2	N 1	9	10	.8
14	59.19	57.26	23.6	31.5	99	63	ESE 1	N 3	10	8	......
15	58.84	56.70	23.6	30	97	69	SE 1	NNW 3	3	7	......
16	58.26	56.91	23.6	30.8	97	64	S 1	N 3	4	9	......
17	58.45	57.65	23.6	29	96	75	SE 1	N 1	9	10	......
18	57.69	56.95	23	29.7	99	77	S 1	NNE 1	6	10	.8
19	56.89	55.43	23.1	30	99	65	Calm	NNW 3	10	7	4.4
20	56.11	55.22	23.5	27.6	97	84	ESE 1	N 2	10	10	22.4
21	56.53	55.04	22.7	30.5	98	72	SE 2	N 3	9	8	......
22	56.91	55	24.1	28.7	96	81	S 2	WSW 2	10	9	20.3
23	56.51	55.07	23.6	30.2	99	73	SSE 2	NNW 3	8	8	3.8
24	57.05	55.65	24.1	31.4	97	62	SE 2	NNW 3	10	7	6.6
25	57.20	55.90	23.6	31	98	66	SSE 2	N 3	9	7	......
26	56.15	55.20	24.7	26.4	98	89	SSE 1	N 3	10	10	.5
27	54.65	53.83	23.7	28.6	98	71	WSW 1	N 2	10	10	......
28	56.63	55.01	25.5	31	84	65	NW 4	NNW 5	10	7	.3
29	55.69	53.95	24.2	33.5	97	47	SE 2	N 1	7	8	......
30	55.06	53.17	24.6	33.5	96	51	S 2	N 4	6	4	......
31	55.92	54.63	24.5	33.4	97	53	SSE 3	N 3	2	7	......
Mean	57.90	56.42	23.7	30.3	96.7	68.9	1.5	2.5	7.4	8.3	......
Total	....	....	....	....	....	....	....	....	....	....	101.3

AUGUST.

Day	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	56.88	54.93	25.1	32	92	54	SSE 2	N 4	9	7	......
2	57.11	56.21	25.4	31.6	93	57	SSE 2	NNE 3	8	9	......
3	56.95	54.97	25	32.8	98	58	S 1	N 5	10	9	......
4	57.06	55.36	23.6	32.6	97	53	S 2	N 2	7	7	......
5	57.39	56.22	24.5	31.5	95	66	S 2	WSW 1	10	9	......
6	57.97	55.97	25	31.1	92	65	SSE 2	N 2	8	9	......
7	56.22	53.07	25	33.1	92	53	S 1	NNW 2	5	7	......
8	55.04	53.68	24.8	31.7	90	52	S 2	NNW 3	3	8	......
9	55.43	53.79	25	33.1	92	55	S 2	NNW 2	6	7	......
10	55.63	54.29	24.5	32.5	92	61	ESE 1	NNW 3	9	8	0.3
11	56.37	53.70	24.1	34.9	95	45	S 1	N 2	10	7	......
12	56.11	55.04	24.7	30.9	93	70	S 2	S 2	10	10	......
13	57.67	55.52	24.9	34.1	90	50	S 2	SE 2	7	5	......
14	58.63	56.88	25.1	32.1	92	57	SSE 2	N 3	9	5	......
15	58.87	57.07	24.9	33.7	92	49	SSE 2	NNW 4	10	3	......
16	59.40	58.24	24.6	33.6	91	53	S 2	N 4	9	2	......
17	59.09	57.23	23.6	33	95	53	SE 1	NW 5	5	4	......
18	57.88	55.79	26	32	88	55	SSW 1	NW 4	9	9	......
19	57.63	55.59	24.6	31.1	92	60	ESE 1	NNW 3	10	10	......
20	59.90	56.15	24.9	33.5	84	50	W 2	N 3	9	3	......
21	59.29	57.36	24.5	29.4	92	79	SSE 1	NW 2	5	8	......
22	59	57.13	24.1	32.2	95	63	SE 1	NNW 4	6	3	......
23	57.97	56.65	23.7	31.4	93	60	SSE 2	NNW 4	7	7	......
24	57.16	55.79	22.5	33.3	96	52	S 1	N 3	7	8	......
25	57.91	56.06	25.5	30.6	83	65	S 2	N 2	5	8	......
26	58.86	57.12	23	32.5	96	54	SSE 2	NNW 4	6	8	......
27	59.74	57.34	23.1	31.4	96	63	S 2	N 5	9	6	.3
28	57.50	55.93	23.5	31.5	96	60	ESE 1	NNW 4	7	10	......
29	55.69	55.11	25	32.1	88	57	S 1	N 3	9	9	......
30	57.86	56.52	23.7	32	93	55	S 1	S 1	9	9	12.7
31	58.18	55.69	22.6	33.5	97	53	SE 1	SSE 1	7	7	20.3
Mean	57.53	55.82	24.4	32.3	92.6	57.6	1.5	3	7.7	7.1	......
Total	....	....	....	....	....	....	....	....	....	....	33.6

BUTUAN

[$\phi = 8°\ 56'$ N; $\lambda = 125°\ 32'$ E; barometer above sea, 2 meters; gravity correction not applied, −1.88 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0-10*	*0-10*	*mm.*
1..	58.46	56.04	23.1	32.2	95	62	S 1	S 1	7	7	0.8
2..	59.18	57.02	23	33.6	94	53	SSE 1	NNW 3	3	5	.3
3..	59.82	57.62	23.5	32.1	94	60	SE 1	NNW 3	3	4	.....
4..	59.87	57.56	23.7	32.1	98	57	Calm	NNW 3	4	6	.....
5..	58.83	56.75	24.5	28.5	99	81	SSW 1	NNE 2	10	10	24.1
6..	58.11	56.44	22.9	28	98	81	Calm	N 3	10	8	31
7..	57.21	56.31	24	27.6	97	80	S 1	N 3	10	8	1.3
8..	57.56	56.47	23	28.5	97	73	SSW 1	NW 5	10	9	.8
9..	58.12	56.33	23.6	29.5	98	68	S 1	NNW 3	10	8	.3
10..	57.35	55.37	23.7	30.5	97	66	SSE 1	NNW 4	10	8	.....
11..	55.40	54.61	23.5	28.6	96	73	SSE 1	NNW 4	10	10	7.9
12..	55.16	53.96	22.8	29.6	98	73	S 1	N 2	9	9	2.8
13..	55.87	54.95	23	31	99	64	S 1	NNW 3	10	10	10.7
14..	57.57	56.35	23.5	31.4	99	59	SSW 1	NNW 4	10	6	.....
15..	57.99	56.26	24	30.9	97	67	SSE 1	NNW 3	7	8	5.1
16..	58.44	56.80	23.5	30.4	96	69	S 1	N 3	10	7	.5
17..	59.73	58.01	23.5	29	97	71	Variable 1	NNW 3	10	9	4.6
18..	60.39	58.22	23.4	29.4	97	72	Calm	NNW 3	6	7	1.3
19..	60.18	57.43	23.2	32.6	98	61	ENE 1	NNW 3	10	6	2.3
20..	59.02	56.54	23.7	33	98	56	ENE 1	S 2	7	6	13.5
21..	59.52	57.22	22.6	29.6	99	72	S 1	NNW 3	9	6	.3
22..	59.35	57.71	23.2	26.7	98	87	SSE 1	S 2	6	8	7.7
23..	58.50	57.62	23.5	26.4	97	94	SE 1	NE 1	4	10	16
24..	58.52	57.54	23.1	26.2	99	94	ESE 1	NE 2	6	8	14.9
25..	58.44	57.26	23.2	27.4	99	89	ENE 1	N 1	3	10	.8
26..	58.95	57.83	23.7	28.5	99	81	Calm	SE 1	7	8	.....
27..	58.52	57.10	22.5	30.6	99	68	Calm	N 3	10	5	.....
28..	58.74	56.84	23.4	31.6	97	63	S 1	N 3	2	4	13.7
29..	59.05	56.45	23.1	31	99	66	S 2	NNW 3	5	6	2.3
30..	58.94	56.57	23	31	97	69	SSE 1	N 3	8	9	.....
31..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	58.43	56.71	23.3	29.9	97.5	71	0.9	2.7	7.5	7.5	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	163

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0-10*	*0-10*	*mm.*
1..	58.29	56.76	25	29.8	97	73	SE 1	NNW 3	9	8	0.3
2..	57.74	55.45	24.5	31.1	96	64	S 1	WNW 4	9	7	.....
3..	58.02	56.41	24.4	30	97	69	S 1	N 3	10	9	.....
4..	58.07	57	23.6	31.5	95	64	SSE 1	N 4	7	8	.....
5..	58.57	56.09	24	31.1	97	66	ESE 1	N 4	10	7	.....
6..	58.07	56.54	23.9	29.6	97	70	SE 2	NNW 4	10	9	3.3
7..	58.59	56.58	24.2	30	99	68	Calm	NW 2	10	9	5.8
8..	58	56.50	23.5	28.7	97	76	SSE 1	WNW 1	9	8	7.6
9..	58.07	56.48	23	30	96	65	S 2	WNW 2	5	10	.5
10..	58.57	57.13	23.5	29.1	97	74	SSE 2	NNW 1	10	9	.3
11..	59.02	57.71	24.1	28.7	97	78	SSW 1	NW 1	10	10	.8
12..	59.64	58.62	24	25.5	97	92	Calm	Variable 2	10	10	76.9
13..	57.90	56.31	24.1	24.1	97	99	WNW 2	NW 3	10	10	308.9
14..	53.46	53.62	22.2	29.6	99	72	Variable 1	S 2	9	8	.....
15..	56.86	55.38	23.2	30.5	98	66	NNE 1	NW 3	6	3	.....
16..	58.17	56.36	23.6	31.1	99	68	S 2	WNW 3	9	3	.....
17..	58.98	56.75	23.4	31.6	97	63	SE 2	NNW 2	10	1	.....
18..	58.35	56.17	23.4	31.1	97	66	ESE 2	NNW 3	6	6	.....
19..	57.91	56.03	23	31.6	97	63	Calm	N 3	7	3	50.8
20..	58.20	57.33	24.2	26	99	94	NE 1	N 3	10	10	32.2
21..	58.67	57.45	23.5	29.9	99	76	Calm	NW 3	6	7	.....
22..	59.25	57.69	22.8	26.4	100	94	Calm	WNW 1	10	8	6.4
23..	59.18	57.51	23.5	31.4	99	64	ESE 2	N 2	2	2	.....
24..	59.42	56.95	23.6	33.4	99	61	SE 1	SSE 2	7	4	.3
25..	59.75	57.32	23.5	31.6	97	66	SSE 2	NW 3	8	7	4.6
26..	60.23	58.02	23	29.2	99	75	ESE 1	NW 1	8	8	.....
27..	59.97	58.19	23.6	30.5	99	68	SSE 1	NW 3	8	4	.....
28..	59.28	57.34	23.7	30.1	99	73	E 1	N 2	7	9	.....
29..	58.69	57	23.9	25.6	98	98	S 1	WNW 1	4	10	11.7
30..	58.25	56.14	23.7	26	98	93	SSE 2	SSE 2	7	10	1.8
31..	59	57.38	22.5	28.5	100	85	E 1	NNE 1	7	7	.8
Mean	58.46	56.78	23.6	29.5	97.8	74.3	1.2	2.4	8.1	7.2	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	513

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0-10*	*0-10*	*mm.*
1..	59.10	57.89	23.5	26.2	98	90	ESE 1	E 1	5	9	44.5
2..	59.15	57.43	23.6	27.4	99	93	SSE 1	S 1	6	7	4.3
3..	58.54	56.53	24	30	97	71	S 1	SSE 1	6	7	2.3
4..	58.36	56.58	24.1	28.6	97	85	SSE 1	S 2	6	10	.5
5..	57.79	56.81	24.3	26	97	91	SSE 2	N 1	7	9	16.8
6..	57.75	56.05	23.5	31	99	75	S 1	NNE 2	8	7	1.6
7..	59.08	56.99	24.7	27.1	94	91	SSE 1	S 2	10	10	3.3
8..	58.54	56.41	23.5	29.8	97	73	SSE 2	WNW 2	10	8	25.7
9..	58.51	56.38	23.4	30.4	98	73	SSE 1	NW 2	6	7	5.6
10..	57.95	56.05	23	30.3	97	76	S 3	NW 3	7	5	.....
11..	57.61	55.52	24.1	30.1	99	70	S 2	NNW 3	9	7	.....
12..	57.16	56.46	24	28.6	97	79	E 1	NNW 2	10	9	.....
13..	57.86	56.58	23.4	29.5	98	73	S 2	NNW 3	7	10	.....
14..	58.77	56.87	23.9	30.6	97	65	SSE 2	NNW 2	9	7	.....
15..	57.96	55.74	23.7	31.5	99	63	S 2	NNW 2	9	7	.....
16	57	55.35	24	32.4	97	68	E 1	NW 3	9	7	.....
17..	57.14	56.33	23.9	30.2	97	71	S 2	NW 1	8	10	.....
18..	58.85	56.13	23.9	34.5	97	55	SE 1	S 2	10	6	1.5
19..	58.76	56.84	23.5	30.8	96	67	S 2	N 3	7	7	.....
20..	58.92	56.21	22.6	31.4	99	66	SSE 1	N 3	4	7	1.8
21..	58.10	56.18	23.3	29.1	97	74	S 1	NNW 3	8	9	.....
22..	57.99	56.58	23.5	30.5	96	71	NNW 1	NNW 3	8	7	191
23..	59.15	59.05	23.5	23.7	100	98	NNW 1	WNW 1	10	10	41.6
24..	59.12	57.41	23	28	100	77	Calm	W 3	10	9	1
25..	59.09	57.27	22.8	29.7	98	70	E 1	NNW 3	10	7	8.1
26..	58.54	56.95	23.2	25.5	99	88	Calm	NW 3	10	10	32.5
27..	57.96	56.41	23.2	31.5	99	66	Variable 1	SSE 3	10	3	.5
28..	58.82	57.71	23.3	27.8	97	83	S 2	S 1	3	4	31.5
29..	59.43	57.78	22.5	26.3	100	93	Calm	NE 1	7	10	5.9
30..	58.68	56.80	22.7	31.1	99	68	Calm	N 3	4	6	.3
31..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	58.39	56.71	23.5	29.3	97.8	76.1	1.2	2.2	7.8	7.7	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	420.3

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0-10*	*0-10*	*mm.*
1..	58.62	57.18	22.1	28.6	99	77	S 1	NNW 3	8	8	4.3
2..	58.43	57.13	22.1	25.5	99	92	Calm	NNW 1	9	10	9.6
3..	56.91	54.22	23	23.9	98	97	N 1	W 2	10	10	52
4..	55.65	54.13	23	30	97	73	S 2	S 1	8	10	6.4
5..	57.26	55.58	23.1	28.1	99	80	SE 1	WSW 3	7	7	3.3
6..	58.22	56.67	23.5	28.6	97	78	SE 2	NNW 2	6	6	.5
7..	58.86	56.98	23.2	30.5	99	60	Calm	NNW 1	10	7	12.7
8..	58.71	57.24	23.1	28.7	100	79	WSW 1	N 2	7	7	4.8
9..	58.03	57.89	22.5	23.5	96	100	Calm	SW 1	3	10	58.6
10..	59.49	57.75	23.1	25.1	99	88	Calm	S 2	10	10	3.6
11..	59.48	57.51	21.4	30	98	66	Calm	N 1	7	7	.8
12..	58.77	57.51	22.6	24.6	99	96	SSE 1	SE 2	10	10	2.6
13..	58.43	56.12	20.5	30.1	99	62	Calm	NNW 2	1	3	1
14..	57.95	55.30	22	32.1	100	61	ESE 2	SSE 2	3	1	.....
15..	58.08	56.63	20.6	30	99	71	SE 1	W 1	2	6	.....
16	58.58	57.32	22.5	31.1	100	60	S 2	N 2	8	3	.....
17..	59.45	58.17	22.2	31.1	98	56	S 2	NNW 2	2	5	.....
18..	59.73	57.91	22.5	29.9	99	73	SSE 1	NNW 2	6	7	.8
19..	59.68	60.03?	22.4	25	97	92	S 1	N 1	7	10	19.1
20..	60.75	60.10	23.1	24.6	98	96	SSW 1	S 1	10	10	40.2
21..	61.58	59.14	22.6	27.4	99	78	Calm	SSE 3	10	9	10.2
22..	60.83	59.12	22.5	28.1	98	80	Calm	S 2	10	10	1.3
23..	60.38	58.66	22.5	27.1	96	92	S 3	E 1	7	7	8.2
24..	58.82	57.21	23.6	29	99	75	Calm	N 2	8	6	.....
25..	58.71	57.08	23.6	29.9	99	72	Calm	NNW 2	10	7	7.6
26..	59.65	57.40	22.7	29.5	99	75	SSE 1	NNW 2	4	7	2.1
27..	59.12	57.91	23.2	30.1	99	70	SSE 2	NW 3	8	7	.5
28..	59.53	57.88	23	28.8	99	83	E 1	WNW 1	10	6	7.1
29..	59.40	57.96	24	26.7	97	84	S 2	S 2	10	7	.3
30..	59.17	58.03	23.1	30.1	98	68	SSE 2	N 3	7	7	26.7
31..	60.02	58.34	23.2	31.5	98	57	E 1	E 3	10	3	5.1
Mean	58.98	57.42	22.7	28.4	98.4	77.1	1	1.9	7.4	7.2	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	289.4

DUMAGUETE [a]

[φ=9° 18′ N; λ=123° 19′ E; barometer above sea, 7.7 meters; gravity correction not applied, —1.87 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.37	59.76	24.2	28.5	86	74	NW 1	NE 3	4	7	5.3
2..	60.22	59.46	26.5	29	80	74	NNE 3	N 2	7	3	......
3..	60.95	59.96	26	27.7	84	81	NNW 2	NE 3	6	1	......
4..	61.07	60.50	25.5	28.6	81	75	NNE 1	NE 4	9	8	......
5..	61.36	60.57	24.5	27	78	80	NW 2	NE 5	1	8	10.4
6..	62.92	61.65	23.5	27.4	87	71	NW 2	NE 5	5	7	1.5
7..	61.88	60.43	25.8	25	85	94	NE 4	NNE 4	10	10	3
8..	61.75	60.01	26	27.3	82	77	NNE 5	NE 3	5	7	......
9..	60.72	59.30	23.5	28.8	80	62	NW 1	NNE 3	5	1	......
10..	59.98	59.12	22.5	28.5	87	67	NNW 1	NNW 3	4	10	......
11..	59.34	58.83	24.9	27.9	87	71	NNW 1	NE 2	9	2	......
12..	59.77	59.35	23	28	91	71	NNE 1	NE 2	5	4	......
13..	60.07	59.70	23	27.4	91	74	NW 1	NE 2	5	4	......
14..	61.37	61.60	25.9	27.7	77	58	NW 4	NNE 4	4	2	......
15..	62.58	61.52	20.9	27.1	74	63	WSW 2	ENE 3	1	4	......
16..	61.71	61.05	22.2	26.5	84	76	WNW 1	NNE 3	1	10	......
17..	61.91	61.56	25	27.4	79	69	WNW 3	NNE 4	10	10	2.3
18..	62.78	62.12	23	27.2	90	73	N 3	N 4	10	10	1
19..	62.88	61.76	22.6	28	81	70	N 2	NNE 3	3	5	......
20..	62.82	61.21	21	27.6	85	66	WNW 2	NNE 3	2	9	......
21..	62.25	61.20	25.1	26.6	78	74	NW 3	NNE 3	10	10	......
22..	62.03	60.95	24.3	27	89	72	NW 2	N 4	9	8	......
23..	61.22	60.37	25	26.6	83	80	N 2	NNE 4	10	10	1.3
24..	60.76	59.97	23.5	26.4	93	85	WNW 1	NNW 3	10	10	2
25..	60.88	59.82	24.2	27.2	85	78	NW 2	NNE 2	3	4	.5
26..	60.87	60.16	25.4	27.3	87	70	NNE 4	NNE 5	5	3	......
27..	61.04	59.78	25	27.1	70	70	N 4	NNE 5	4	6	......
28..	61.21	59.97	25.2	27.2	68	63	NW 3	NNE 4	7	7	......
29..	60.95	60.13	25.4	27	77	72	NNE 4	NNE 4	8	7	......
30..	61.30	59.76	25	28.7	78	64	NW 2	NNE 3	8	1	......
31..	61.25	60.52	25	26.4	86	85	N 3	N 3	9	9	......
Mean	61.30	60.39	24.3	27.4	82.7	72.9	2.3	3.4	6.1	6.4	......
Total	.....	.....	....	....	....	....	....	....	....	....	27.3

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	61.84	60.87	22	26.7	82	79	NW 1	NNE 3	1	1	......
2..	61.92	61.25	23.9	28.7	76	66	WNW 2	N 3	10	9	......
3..	62.97	60.95	23.7	27	94	72	N 4	N 3	10	5	5.1
4..	62.71	61.42	25	27	80	74	NNW 2	N 3	8	9	......
5..	63.50	61.91	23.5	27.4	85	69	NNW 2	NNE 4	4	4	......
6..	64.01	62.33	24.4	26.9	83	74	N 3	NNE 3	4	3	......
7..	63.95	62.20	25	27	80	74	N 3	NNE 3	8	4	......
8..	63.25	61.60	26.5	27	70?	80	N 2	NW 2	10	9	2
9..	62.42	61.52	24.5	27.4	81	68	NW 1	NNE 4	7	8	......
10..	62.13	60.98	24.1	26.5	82	76	NW 2	NNE 3	4	9	......
11..	62.42	61.23	25.5	28.4	84	70	NNE 4	N 2	8	8	3.6
12..	61.92	60.62	24.7	27	91	80	NNW 2	NNE 3	10	6	......
13..	61.01	60.49	24.6	28.4	80	68	NW 1	N 2	6	1	......
14..	61.37	60.60	25	27.2	77	72	N 3	NNE 3	2	7	......
15..	61.90	60.90	25.2	28	85	75	NNE 5	NNE 3	10	7	......
16..	61.41	60.20	25.3	27.5	91	81	Calm	NE 2	10	1	......
17..	60.33	58.93	24.7	28	88	77	Calm	NE 2	4	5	5.3
18..	59.48	58.78	24.8	27.5	93	78	Calm	NE 2	9	7	......
19..	60.47	59.41	25.7	28	86	74	NW 1	NE 2	4	4	......
20..	60.50	59.23	25.9	27.7	82	75	NNW 1	NE 2	9	2	......
21..	59.88	58.82	26.4	27.5	84	81	N 3	NNE 3	10	4	1
22..	58.69	57.77	25	27.6	92	80	WNW 1	NE 2	4	7	......
23..	58.87	58.11	26.4	28	82	73	NNE 3	NE 2	5	4	10.2
24..	60.03	58.47	25.9	27.7	80	75	NNE 3	ENE 3	6	4	......
25..	59.98	58.92	24.8	27.3	77	71	NW 2	NE 2	4	9	......
26..	59.98	59.32	25.4	28.8	69	59	N 3	N 3	10	4	......
27..	60.63	60.10	25	27.4	82	70	NW 2	NNE 3	6	6	......
28..	60.46	59.84	25.5	28	81	74	NNE 5	NNE 3	4	2	......
29..	......	......	....	....	....	....	....	....	....	....	......
30..	......	......	....	....	....	....	....	....	....	....	......
31..	......	......	....	....	....	....	....	....	....	....	......
Mean	61.36	60.24	24.9	27.6	82.8	73.8	2.2	2.7	6.7	5.3	......
Total	.....	.....	....	....	....	....	....	....	....	....	27.2

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.11	59.50	25	28.5	86	67	NE 3	N 2	10	9	......
2..	59.44	59.77	25	28.5	82	71	NW 1	N 3	6	7	......
3..	60.93	60.29	26.4	28	73	70	N 2	NNE 3	7	5	......
4..	60.85	60.32	25.2	27.6	78	80	WNW 1	NE 3	5	7	......
5..	61.36	60.52	25.7	27	81	74	NE 3	ENE 2	6	5	......
6..	61.16	60.16	25.4	26.8	73	72	NNE 3	ENE 3	1	3	......
7..	60.86	59.90	25.7	28.3	78	70	NNE 3	NE 2	10	4	......
8..	60.77	59.75	25	27.2	72	69	NNW 2	NNE 2	5	2	......
9..	60.47	59.82	22.7	27.5	89	77	NW 1	NE 2	2	6	......
10..	60.87	60.51	26.3	27	80	78	N 2	NE 5	8	10	......
11..	60.87	59.59	25	28	76	69	NNE 2	NE 2	1	2	......
12..	61.17	60.59	22.9	27.3	79	75	WNW 1	NE 2	3	8	......
13..	60.90	60.47	26.1	28	79	76	N 2	NNE 2	7	7	......
14..	60.97	60.22	24.4	27.9	85	73	NW 1	NE 2	9	4	......
15..	60.67	60.40	26.4	27.7	81	76	NNE 3	NE 2	8	2	......
16..	60.75	59.90	24	28.5	86	67	N 2	NNE 3	2	4	......
17..	60.22	60.34	25.5	27.2	80	83	NW 1	NE 2	10	5	......
18..	60.96	60.82	25.6	27.4	75	74	N 3	NE 2	4	3	......
19..	61.88	61.05	25	28	83	72	WNW 1	NNE 2	7	3	......
20..	61.53	60.62	26	27.4	84	80	WNW 1	NE 2	8	7	......
21..	60.91	60.10	24	27	75	73	WNW 1	ENE 2	6	2	......
22..	61.17	59.90	23	27	74	80	WNW 2	NE 2	4	1	......
23..	60.72	59.39	23.4	27.5	80	74	W 1	ENE 2	7	2	......
24..	60	58.86	24.7	28	85	79	NW 1	ENE 3	8	1	......
25..	59.63	58.71	24.6	27.8	86	70	N 1	NE 2	7	7	......
26..	60.75	58.60	25.8	28.5	81	64	NW 1	ENE 2	4	1	......
27..	59.37	58.65	25.4	29	80	68	NW 1	NE 2	4	4	......
28..	59.42	58.40	27	27.8	84	79	NE 3	NE 2	10	8	1
29..	59.48	58.57	25.5	29.7	84	63	WNW 1	NNE 2	7	4	......
30..	59.03	57.91	25	28	83	77	NW 1	NE 2	4	4	......
31..	58.78	57.59	24.5	28.3	83	70	WNW 1	ENE 2	7	4	......
Mean	60.52	59.72	25	27.8	80.5	73.2	1.7	2.3	6	4.5	......
Total	.....	.....	....	....	....	....	....	....	....	....	1

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.55	58.70	25.8	27.7	85	75	NE 2	ENE 2	7	7	......
2..	59.90	59.32	24.5	28	85	77	WNW 1	NE 2	9	4	......
3..	60.50	58.75	23.5	28.1	87	71	WNW 1	NNE 2	5	4	......
4..	59.03	58.80	24	27.6	83	74	NE 3	ENE 2	4	3	......
5..	60.12	59.25	22.6	27.3	69	79	W 2	NE 2	5	2	......
6..	60.45	59.31	23.5	27.4	82	78	NW 1	NE 2	7	3	......
7..	60.30	58.10	25	27.8	83	75	W 1	ENE 3	9	3	......
8..	58.10	56.70	24.1	30.4	81	60	NW 1	NE 2	4	9	1.3
9..	57.36	56.62	25.6	29	92	71	NW 1	NNE 2	9	7	......
10..	57.53	57.25	26.7	28.3	81	78	NNW 1	NE 2	5	2	......
11..	58.35	56.85	25	28.5	80	78	WNW 1	ENE 2	5	3	......
12..	58.28	57.34	27.1	29.5	80	71	N 3	NE 2	4	4	......
13..	58.36	56.75	27.1	28.5	80	78	NNE 3	NE 2	8	3	......
14..	58.48	58.45	25.6	28.3	88	79	NW 2	ENE 2	9	10	......
15..	59.65	58.67	26	29.1	85	73	WNW 1	NE 1	8	1	......
16..	59.65	58.67	25.3	29.1	78	71	NW 1	ENE 2	1	1	......
17..	59.08	57.97	27	28.8	73	69	NE 3	NE 2	4	4	......
18..	58.53	58.25	27.1	27.8	83	75	NNE 3	NNE 2	8	4	......
19..	59.82	58.81	27	28.5	77	74	NNE 3	ENE 2	7	1	......
20..	60.45	59.39	27.5	28.7	75	76	NNE 4	NE 2	1	4	......
21..	60.81	58.79	27	28.2	80	74	NNE 2	NE 3	4	4	......
22..	59.75	58.72	27	28.2	77	78	N 2	ENE 2	9	4	......
23..	60.30	59	27	28.3	79	75	NNE 2	NE 2	7	6	......
24..	60.22	59.35	27.3	28.4	77	73	NE 4	NE 3	5	4	......
25..	60.02	59.25	25.9	28.3	82	75	NW 1	NE 2	7	7	......
26..	59.70	58.25	27.2	28	76	79	NNE 3	ENE 2	7	4	......
27..	58.81	57.28	27.4	29	78	74	NE 3	NNE 2	4	7	......
28..	57.86	57.32	25.3	28.5	72	74	WNW 1	NNE 3	7	9	......
29..	58.56	57.76	27.3	28.8	78	76	NE 3	NE 2	10	10	4.8
30..	59.27	58.09	26.9	28.8	84	76	N 2	NNE 1	8	5	......
31..	......	......	....	....	....	....	....	....	....	....	......
Mean	59.29	58.26	25.9	28.4	80.3	74.5	2	2.1	6.2	4.6	......
Total	.....	.....	....	....	....	....	....	....	....	....	6.1

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[a] The barometric readings of this station seem to be somewhat too high.

DUMAGUETE

[ϕ=9° 18′ N; λ=123° 19′ E; barometer above sea, 7.7 meters; gravity correction not applied, −1.87 mm.]

Day.	MAY.											JUNE.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0-10*	*0-10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0-10*	*0-10*	*mm.*
1..	58.80	57.75	27.1	28	76	74	NNE 4	NNE 2	7	4	......	58.52	57.55	25	29.2	88	76	WNW 1	NE 2	4	4	......
2..	59.06	57.57	27	28.5	77	74	NNE 4	NE 2	4	2	......	57.32	55.84	26.2	29.7	89	73	W 1	NE 2	7	5	17.5
3..	58.76	58.05	26.4	28	85	76	N 1	NNE 2	7	8	......	56.96	55.87	25.2	30.2	88	74	W 1	SSE 3	10	8	......
4..	58.53	58.20	25.4	28.5	84	78	NNW 1	NE 2	4	3	......	56.91	56.38	24.8	30.1	90	71	WSW 1	SSE 2	4	8	......
5..	59.41	59.25	27.4	28.5	78	79	NNE 3	NE 2	6	4	......	58.05	57.18	25	30.7	85	72	WSW 1	S 3	6	8	35.3
6..	59.72	58.22	27	28.7	81	74	NNE 3	NNE 2	6	3	......	58.49	57.81	24.1	28.5	96	83	W 1	SSE 2	7	9	17.5
7..	59.10	57.51	27.5	29	77	74	NE 2	NNE 2	6	4	......	58.81	57.27	25	30.	97	75	W 1	SE 2	9	6	......
8..	57.92	57.85	26.2	29	76	76	NE 1	ENE 2	7	2	......	57.67	57.07	24.5	28.5	92	70	WNW 1	SE 2	10	10	3.6
9..	58.72	57.87	27.3	28.7	78	76	NNE 2	NE 2	8	3	......	56.63	56	25.7	26.7	86	83	NNW 2	E 1	10	10	7.1
10..	58.53	57.33	26	29	79	74	WNW 1	ENE 2	3	5	......	56.63	56.90	25	26.3	88	86	NW 1	NNE 2	10	10	......
11..	57.70	56.39	26.3	29.1	89	76	NW 1	ENE 2	9	7	......	57.08	56.45	26	30	75	66	SW 4	SSW 5	8	9	......
12..	58.29	56.67	25	28.5	85	80	WNW 1	NE 3	5	4	......	57.43	56.80	26.3	30	82	68	E 1	E 2	10	9	4.3
13..	58.01	56.94	26.4	28.7	81	73	NW 1	NE 2	6	4	......	58.22	57.52	23.9	29.2	94	79	WSW 1	NW 3	8	7	......
14..	57.78	57.63	27	28.8	78	78	NNW 1	ENE 3	7	8	......	58.24	57.69	23.7	30	87	73	WNW 1	SSE 3	4	3	......
15..	57.50	56.39	25.8	29.5	89	77	NW 1	NE 2	8	4	......	58.71	57.38	25	31.2	80	71	W 2	S 3	9	6	......
16..	57.33	55.85	25.3	30	86	75	W 1	SE 3	7	7	......	59.11	57.75	24.6	30.8	87	73	W 1	SSE 3	6	4	......
17..	57.32	55.79	26.2	30.1	79	76	WSW 1	S 3	8	8	0.8	58.74	57.66	24.4	31.6	86	68	WSW 1	SSW 3	8	7	......
18..	58.03	56.34	26	29.6	92	78	SW 1	SE 2	10	10	1.5	58.14	57.24	23.3	29.6	86	72	W 1	S 3	7	9	......
19..	58.38	56.59	25	31.2	83	69	WSW 1	SSE 3	8	5	......	57.46	55.86	24.5	30	91	65	WSW 1	ENE 2	8	9	......
20..	58.72	57.09	25.9	30.5	78	71	W 1	S 3	10	10	......	57.66	57.32	26.7	31	77	62	E 1	S 3	9	8	......
21..	58.96	58.19	26.7	29	83	83	WNW 1	NE 2	9	9	......	58.58	57.64	23.9	29.3	81	68	W 1	NNE 2	5	3	......
22..	58.41	57.13	26.3	29.1	86	74	NW 1	NE 3	7	3	......	59.72	58.36	24	30.5	83	67	W 1	SSW 3	9	9	......
23..	58.43	57.11	25.5	28.7	72	78	WNW 1	NE 2	7	9	......	58.04	57.55	25.1	30.7	87	74	WSW 1	SE 2	7	7	......
24..	58.46	57.94	26.1	29.3	94	81	NE 2	NE 2	9	9	......	58.50	57.93	25.6	25	83	83	NNW 1	NE 1	9	10	13.4
25..	58.71	57.55	25	31	83	71	WNW 1	ESE 2	4	7	......	57.66	56.19	24.7	29.1	94	70	NW 2	ENE 2	10	10	8.6
26..	58.32	56.85	24.8	30.7	82	72	WNW 1	SSE 3	5	7	......	57.42	56.52	23.7	28	91	76	W 1	NE 2	10	9	......
27..	57.44	55.85	24.5	31.5	77	67	W 1	S 3	4	7	......	57.67	57.37	26.4	29	81	74	SW 2	NE 3	7	5	......
28..	56.83	55.60	24.5	31.6	78	67	W 1	SSE 3	8	7	......	58.87	57.65	24.5	29.1	87	76	NW 1	NE 2	6	4	......
29..	56.53	55.82	26.1	30.2	84	66	WNW 1	NNE 2	7	7	93.7	59.10	57.75	24.9	28	91	79	NW 1	NE 2	10	8	1.5
30..	57.71	56.81	24.4	28.7	97	77	NW 1	E 2	10	6	4.1	56.94	55.74	23.9	29.5	87	77	NW 1	SE 3	9	10	......
31..	58.66	57.55	24.8	28.6	93	78	WNW 1	E 1	8	8	......	......	......	......	......	......	......	......	......	......	......	......
Mean	58.26	57.15	26	29.4	82.6	74.9	1.4	2.3	6.9	5.9	......	57.97	57.07	24.9	29.4	87	73.5	1.2	2.4	7.9	7.5	......
Total											100.1											108.8
	JULY.											AUGUST.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0-10*	*0-10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0-10*	*0-10*	*mm.*
1..	55.37	55.11	23.8	28	83	77	WSW 2	SE 3	8	10	13.7	56.60	55.01	27.3	32	73	58	SSW 3	SW 5	4	7	......
2..	57.18	57.29	23.9	30	94	65	WSW 1	SW 3	10	10	......	57.26	56.46	26.3	28	79	82	WSW 2	SW 3	10	10	......
3..	59.66	59.21	24.2	30.2	90	68	W 1	S 3	6	8	......	56.45	56.60	26.7	27	89	84	NE 4	SW 2	10	10	16.3
4..	59.90	58.86	24.3	29.7	85	71	WSW 2	NNW 2	9	9	63.9	56.29	55.49	26	30.9	84	65	N 1	SW 4	10	9	......
5..	59.38	58.56	24	29	87	75	NW 3	N 3	10	7	......	56.93	56.86	27	29.3	75	66	Calm	SW 3	10	10	3.6
6..	59.18	58.27	25.2	29.7	90	69	NW 1	NE 2	9	4	......	57.66	56.20	24.5	30	92	73	SW 1	SW 3	10	10	......
7..	59.82	59.40	24	29.6	88	78	W 1	ENE 1	6	9	3	55.92	54.51	27	30.2	83	64	WSW 2	SW 4	8	8	1.5
8..	60.22	59.21	25	29.2	92	72	WSW 1	N 2	9	9	1	55.27	54.36	27	30.7	81	70	SW 7	SW 4	8	7	......
9..	59.14	57.99	25	29.5	93	71	W 1	NE 2	8	7	7.4	55.43	54.73	26.1	32.1	87	56	SW 5	SW 7	6	7	......
10..	59.27	57.46	24.2	29	94	72	WSW 1	SSE 1	9	9	......	55.70	55.15	27.3	30.7	81	63	SW 4	SW 7	10	10	......
11..	59.11	57.97	23.5	29.5	89	76	W 1	SSE 3	7	8	......	55.92	55.08	27.3	31	75	58	WSW 3	SSW 3	10	9	......
12..	59.68	58.59	25	29	95	78	NNE 6	SE 2	9	9	2.8	56.12	55.54	27.1	31.7	83	59	SW 4	SW 5	8	8	......
13..	58.64	58.39	24.8	28.7	90	71	W 1	NNE 2	9	10	8.7	56.95	56.34	27.7	31.3	69	54	SW 5	SSW 4	10	8	......
14..	58.78	57.57	23.7	30.5	94	68	W 1	SSE 3	8	7	......	58.65	56.76	25	32.5	88	54	NW 1	S 4	6	5	......
15..	58.71	57.17	23.5	29.5	88	75	WNW 1	S 3	8	7	......	59.01	57.04	23.9	32.3	89	56	W 1	SSW 4	7	4	......
16..	58.13	56.88	23.8	30.5	86	68	W 1	SW 3	7	8	......	59.13	57.98	24.4	31	88	65	NW 1	S 4	8	3	......
17..	58.43	57.80	24	27.4	90	84	W 1	SW 2	8	9	3.6	59.14	57.40	23	31.7	84	59	NW 1	ENE 2	4	6	......
18..	57.71	57.22	23.7	29.5	94	72	WSW 1	SSE 2	7	7	......	58.47	57.29	24.2	27.9	88	81	WNW 1	S 3	5	9	5.3
19..	56.77	55.73	23.7	31.6	85	55	WNW 1	NNW 2	9	7	1.5	57.79	57.86	25.2	24.8	82	92	W 4	SE 1	9	10	50.8
20..	56.53	55.64	23.8	30	94	71	W 1	SSW 2	8	10	10.4	56.65	56.57	24	27	93	71	N 1	SW 2	10	10	7.7
21..	55.66	55.26	24.7	29.5	94	72	Calm	S 2	10	9	27.7	58.79	57.17	26.4	32.5	82	60	S 2	W 2	7	4	......
22..	56.45	54.89	22.9	30.5	93	66	W 1	NE 2	7	8	1.3	58.74	57.11	23.3	30	85	78	WNW 1	S 3	2	3	......
23..	56.34	55.65	25	29	92	74	Calm	SSW 3	6	9	2.3	58.31	56.54	22.5	30.7	87	67	W 1	S 2	5	5	......
24..	56.62	56.07	24.7	29.7	92	79	WSW 1	N 4	8	9	.8	57.64	56.18	23.5	30.7	90	69	W 1	SSW 4	4	6	......
25..	57.32	56.61	24.2	28.8	91	75	W 1	SE 2	8	9	1.5	57.34	56.38	26.3	31	80	64	S 3	S 3	4	7	......
26..	56.59	56.20	24.5	26.6	89	87	WSW 1	NNW 1	10	10	13.7	57.77	58	23	30.3	87	70	WSW 1	SSW 2	7	7	......
27..	55.63	55.07	24.4	26	78	88	W 1	Calm	10	10	23.6	59.52	57.41	24	29.7	85	63	W 1	ESE 2	8	8	......
28..	56.08	55.22	24.5	28.5	88	64	W 1	N 2	10	10	2.8	57.79	57.12	24.2	26.2	83	86	W 1	S 1	9	10	7.1
29..	55.19	54.87	27	29.8	90	66	SSW 3	SSW 3	9	10	......	56.50	56.12	24.5	26.4	89	87	NW 1	NNE 2	9	10	3.3
30..	54.97	54.03	26.2	31.6	79	60	SW 2	SSW 4	7	7	......	57.64	56.85	23.5	30.7	89	64	SW 1	SW 2	10	7	12
31..	55.61	54.67	25.7	31.4	78	61	SSW 3	SSW 3	4	8	......	58.10	56.20	22.5	30.5	94	61	W 1	SW 3	7	10	......
Mean	57.68	56.87	24.4	29.4	89.2	71.9	1.4	2.3	8.2	8.5	......	57.40	56.40	25.2	30	84.3	67.7	2.1	3.2	7.6	7.6	......
Total											189.7											107.6

DUMAGUETE

[$\phi = 9°$ 18′ N ; $\lambda = 123°$ 19′ E ; barometer above sea, 7.7 meters ; gravity correction not applied, −1.87 mm.]

Day.	SEPTEMBER.											OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	57.94	55.85	24.5	30	89	74	W 1	NE 2	7	4	......	58.12	57.36	24.7	27.5	87	78	W 1	E 1	10	10	......
2..	58.66	58.12	23.8	30.3	88	72	WNW 1	SSE 3	4	5	......	58.01	56.37	23.7	29.3	85	76	WNW 1	S 3	7	7	......
3..	59.88	58.45	23	30	78	69	NW 1	E 1	5	6	......	57.88	56.77	23.9	....	84	....	WSW 1	SSW 2	10	9	......
4..	59.60	57.81	25	29.5	92	73	W 1	NE 2	7	5	......	58.26	57.19	22.5	29.2	91	76	W 1	S 1	4	7	......
5..	59.17	57.27	25	29.5	83	73	NW 1	SSW 2	10	10	6.1	57.94	56.39	23.4	29.9	89	75	Calm	SSW 2	7	7	......
6..	58.24	57.36	23.7	26.8	95	83	WSW 1	ESE 1	8	10	3.3	58.03	56.62	23.7	26.6	89	87	W 1	S 2	7	10	2
7..	57.43	56.80	24	27.3	91	77	N 1	Calm	10	10	......	58.72	56.85	23.8	29.5	91	80	WSW 1	S 2	10	10	27.7
8..	57.43	56.91	23.5	27.4	90	78	NW 1	E 2	10	10	6.6	57.89	56.32	23.3	27	96	84	WNW 1	WSW 3	10	10	17
9..	58.23	57.17	23	29	96	81	Calm	SW 3	8	9	.5	57.87	56.85	24	29	95	78	W 1	N 1	10	9	2
10..	57.71	56.86	23.5	24.5	91	92	W 1	W 1	10	10	7.5	58.24	57.05	24.4	30.5	82	72	NW 1	E 1	7	5	......
11..	56.14	55.62	23.8	24.9	94	94	N 2	N 1	10	10	102.9	58.79	57.80	24.3	30.2	83	74	WNW 1	E 1	9	10	......
12..	55.83	55.66	23	24	97	90	W 1	NW 1	10	10	35.8	59.65	58.47	24.9	29	88	75	Calm	SSE 2	10	10	......
13..	56.59	55.92	23.4	26.4	96	81	Calm	NNE 3	10	10	2.8	58.62	57.65	25.4	31	88	70	WSW 1	N 2	8	10	23.4
14..	57.90	56.58	24.9	29	85	75	SW 2	SSW 3	10	9	.8	56.14	51.93	22.5	24.3	95	92	SSW 1	SW 1	10	10	52.1
15..	58.03	56.67	24.1	28	93	76	W 1	NNE 2	9	10	......	56.59	55.37	23.4	29.3	95	70	SW 2	SW 4	10	7	1.5
16..	58.08	56.77	22.8	30.5	90	74	W 1	NE 2	5	7	1.3	58.15	56.37	24.5	31.7	90	59	SW 2	S 2	7	4	......
17..	59.62	58.45	24.7	28.5	87	78	WSW 1	SSW 3	10	10	1.8	58.91	57	22.5	30.3	89	72	WNW 1	S 3	1	6	......
18..	60.01	58.49	24.7	29.5	90	71	N 2	S 2	10	8	33.8	58.13	56.39	23.3	30	84	73	WNW 1	S 3	1	3	......
19..	59.98	58.10	24.5	28.5	93	70	W 1	NE 2	8	4	12.7	57.97	56.59	23	30.2	84	72	W 1	N 3	4	2	......
20..	59.34	57.57	24.6	28.1	95	80	NW 1	NNE 2	9	4	14.2	58.13	57.43	26.4	25.7	81	90	N 1	ESE 1	10	9	12.2
21..	59.16	57.36	24.6	28.5	95	74	NW 1	ENE 1	8	5	......	58.89	58.22	25	30.5	92	72	NW 1	NNE 3	8	4	.8
22..	58.97	57.99	24.4	29	88	75	WNW 1	NNE 1	5	3	......	59.39	57.72	25	30.5	83	70	N 1	NNE 3	5	2	......
23..	58.48	57.46	27.2	28.7	80	84	NE 2	NNE 3	8	7	2.5	59.24	58.22	25	30.7	91	72	NW 1	NE 2	5	4	......
24..	58.24	57.61	25	29.5	85	73	W 1	NE 2	8	7	......	58.87	57.36	24	30	80	73	WSW 1	E 1	3	4	......
25..	58.25	57.44	26	29	89	75	NNW 1	NNE 4	8	8	20.8	59.60	57.55	24	30.6	85	72	W 1	ESE 2	4	5	1.5
26..	58.65	58.07	27.4	29.2	83	76	NNE 3	NE 2	7	6	2	59.83	57.95	24.4	29.7	90	75	W 1	ENE 2	7	4	......
27..	58.48	58.06	25.7	28.5	88	74	W 1	NNE 3	5	6	......	59.97	58.36	24.2	30.4	90	69	WNW 1	ENE 2	7	3	......
28..	58.87	57.47	24.6	27.5	90	79	NW 1	SW 2	7	8	......	58.94	57.59	25	30.7	89	70	NW 1	E 2	4	4	......
29..	58.72	57.06	24	29.3	88	74	WNW 1	NE 2	7	7	5.8	58.53	56.54	27.5	30.5	82	72	N 3	NE 4	7	6	4.3
30..	58.88	57.12	24.3	29.7	92	69	W 1	E 1	8	8	......	58.16	57.39	25.6	26	91	82	WSW 1	NNE 3	9	10	47
31..	......	......	......	......	....	....	......	......	......	......	......	58.83	57.45	23.5	30.5	94	71	W 1	ENE 2	7	5	......
Mean	58.42	57.26	24.4	28.4	89.7	77.1	1.1	2	8	7.5	......	58.46	57	24.2	29.3	88.2	75	1.1	2.1	7	6.6	......
Total	......	......	......	......	....	....	......	......	......	......	261.2	......	......	......	......	....	....	......	......	......	......	191.5

NOTE.—This station was temporarily closed from November 1 to December 31.

IWAHIG

[φ=9° 44′ N; λ=118° 38′ E; barometer above sea, 13.45 meters; gravity correction not applied, −1.86 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	60.19	60.12	21.2	30.1	96	65	SW 2	ENE 3	6	8	......
2..	60.22	59.33	22	31.4	95	62	SW 1	ENE 4	8	5	......
3..	60.32	59.55	22.2	31.4	95	67	WSW 2	ESE 4	2	5	......
4..	60.99	60.22	22.2	30.6	95	64	SW 2	ENE 4	2	4	......
5..	61.14	60.96	21.6	31	97	57	SW 1	ESE 4	3	2	......
6..	62.50	61.37	21.4	30	95	59	WSW 1	E 4	6	2	......
7..	61.35	60.57	23.4	30.4	93	59	ENE 2	ENE 4	10	8	......
8..	61.24	59.88	21.2	29.2	96	63	SW 1	ENE 4	3	6	......
9..	60.35	59.61	20.6	29.6	96	57	SW 1	ENE 3	4	3	......
10..	60	58.62	19	30.8	95	57	SW 2	ESE [illegible]	1	3	......
11..	58.95	58.70	19.5	29.7	95	67	SW 1	E 3	10	10	......
12..	59.55	59.16	21	30.8	95	63	SW 2	E 3	2	4	......
13..	59.80	59.54	20.2	30.5	96	60	SW 2	ESE 3	2	4	......
14..	61.35	61.26	18.4	29.8	94	56	SSW 2	ENE 3	2	3	......
15..	61.82	61.08	17.7	30.1	93	52	SW 2	ENE 3	2	3	......
16..	61.78	60.89	18.5	30.2	95	58	SW 2	ESE 3	2	3	15.7
17..	61.65	61.62	23	29.8	95	62	SW 2	ENE 4	10	4	......
18..	62.42	62.29	20.9	30	94	59	SSW 2	ESE 3	10	3	......
19..	63.23	62.57	18.5	29.7	97	50	SW 2	FSE 4	2	3	......
20..	62.47	61.36	19	29.2	98	66	SW 1	E 4	8	4	......
21..	62.33	61.17	19.4	29.9	96	62	SW 1	E 4	1	3	......
22..	61.22	61.07	22.4	30.1	93	53	SW 2	ENE 4	10	2	......
23..	61.52	60.41	19.6	30	94	56	SSW 1	ESE 4	5	4	......
24..	60.61	59.96	23.2	30.6	93	62	SSW 1	ENE 4	10	4	......
25..	60.43	59.53	23.7	30.2	92	59	WSW 1	ENE 4	10	3	......
26..	60.13	59.91	23	29.9	95	57	SW 1	ENE 4	5	5	......
27..	60.53	59.76	18.3	30.4	95	51	WSW 1	ENE 4	2	2	......
28..	60.88	59.31	17.9	30.8	93	54	SW 2	ENE 4	2	2	......
29..	60.65	60.71	20	30.5	95	50	SW 1	E 4	8	2	......
30..	60.81	60.08	18.8	30.7	92	57	SW 2	ENE 3	1	4	......
31..	60.95	59.99	18.7	30.5	93	58	SSW 2	ESE 3	2	2	......
Mean	61.01	60.34	20.5	30.3	94.7	58.8	1.5	3.6	4.9	3.9	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15.7

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.02	60.29	18	30.5	94	52	SW 1	ESE 4	1	2	......
2..	61.76	61.20	19.3	30.5	93	62	SW 2	ESE 3	3	2	......
3..	62.36	60.88	18.9	30.9	93	56	SW 2	ESE 4	2	7	......
4..	62.79	61.50	19.4	32.2	94	42	SW 2	NW 3	1	4	......
5..	63.45	61.57	18.1	29.4	95	56	Calm	ENE 4	2	6	......
6..	63.59	61.60	24.6	30.6	79	55	NE 3	ESE 4	4	2	......
7..	63.12	61.89	20	30.6	94	52	WSW 1	ENE 4	2	2	......
8..	63	61.20	19.5	31	93	57	SW 1	ESE 4	1	2	......
9..	61.96	61.42	20.2	30.9	92	55	SW 1	ESE 3	2	2	......
10..	61.88	60.97	19.3	31	95	51	SSW 2	ESE 4	2	1	......
11..	62.19	60.88	21	30.9	93	61	SW 2	ESE 4	2	4	......
12..	61.50	59.98	20.8	30.5	93	60	SW 1	ENE 4	4	3	......
13..	60.71	60.07	20.8	31.1	95	55	WSW 1	ENE 4	2	2	......
14..	60.49	60.45	20.2	31	94	59	SW 1	ESE 4	1	2	......
15..	61.47	61.49	19.5	30.5	95	58	SSW 2	ESE 4	3	4	......
16..	61.79	60.25	22.3	31.1	94	55	SW 1	NW 4	7	7	......
17..	60.45	58.76	20.5	31	95	55	WSW 1	NNW 3	2	6	......
18..	59.35	58.92	20	31.8	94	54	WSW 1	ESE 4	1	2	......
19..	60.44	59.24	20.6	31.8	95	53	SW 1	ESE 4	2	2	......
20..	60.56	59.04	20.3	31.2	93	56	SW 2	ESE 4	2	2	......
21..	60	58.75	21.3	32.2	92	53	SW 1	ENE 4	8	2	......
22..	58.33	57.51	21	31.7	95	59	SW 1	E 3	1	2	......
23..	58.32	57.72	21	31.2	95	61	SW 1	ESE 3	1	3	......
24..	59.49	58.31	19.6	31.5	94	59	SW 1	ENE 3	2	5	1.8
25..	59.28	58.53	20	31.5	96	54	WSW 2	ENE 4	5	4	......
26..	59.75	59.38	18.4	31.6	94	53	WSW 1	ESE 4	2	4	......
27..	60.31	59.91	21.8	31.1	94	59	Calm	ESE 4	8	4	......
28..	60.42	59.45	21.4	31.6	95	57	SW 2	E 4	4	2	......
29..	......	......	......	......	......	......	......	......	......	......	......
30..	......	......	......	......	......	......	......	......	......	......	......
31..	......	......	......	......	......	......	......	......	......	......	......
Mean	61.06	60.04	20.3	31.1	93.5	55.7	1.3	3.8	2.8	3.2	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.8

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.83	59.17	22.5	31.7	92	64	SW 1	ESE 4	9	4	......
2..	59.61	59.43	22.5	31.3	92	66	SW 2	E 4	9	3	......
3..	60.86	59.96	22.8	30.6	94	65	SW 1	E 4	4	2	......
4..	60.92	60.27	21	31.3	95	63	Calm	ESE 4	5	2	......
5..	61.16	60.24	21.9	29.6	92	71	SW 1	ESE 3	9	7	......
6..	60.66	59.72	19.6	30.6	92	70	SW 1	ESE 4	3	5	......
7..	60.93	59.52	19	31.2	94	64	SW 2	ENE 4	1	4	......
8..	60.49	59.67	21	30.5	95	67	Calm	E 4	6	4	......
9..	59.72	59.66	20.6	29.2	96	72	SW 1	E 4	3	6	......
10..	60.69	59.77	19.7	32.3	93	63	SSW 1	ESE 3	2	2	......
11..	60.69	59.85	22.3	31.6	93	65	SW 2	ENE 4	4	2	......
12..	61.13	60.21	21.8	31.5	95	69	SW 1	ESE 3	5	3	......
13..	61.15	60.27	20.1	32.2	93	55	Calm	ENE 4	1	2	......
14..	60.69	60.22	23.2	31.6	93	60	SW 1	ESE 3	5	2	......
15..	60.95	60.51	21.1	31.9	94	61	SW 2	ESE 3	4	3	......
16..	60.95	59.40	20.6	31.7	94	63	SW 2	ESE 4	2	3	......
17..	60.55	60.17	20.6	31.5	92	62	SW 1	ESE 4	4	4	......
18..	60.81	60.81	22.7	31.8	94	58	Calm	ENE 4	8	3	......
19..	61.62	61.25	21.4	31.6	93	57	SW 2	ENE 4	3	3	......
20..	61.32	60.31	22.2	32.3	94	60	SW 2	ESE 4	3	2	......
21..	60.04	59.72	22.4	31.6	93	61	SSW 2	ESE 4	2	3	......
22..	60.52	59.05	20	32.2	92	57	SW 2	ENE 4	2	1	......
23..	60.37	59.10	20	31.5	92	60	SW 1	ESE 4	1	2	......
24..	60.02	58.84	20.5	33.6	95	55	SW 2	ESE 4	1	1	......
25..	59.38	58.33	22	32	93	69	SW 1	ESE 4	1	3	......
26..	60.09	58.76	20.6	32.8	95	65	SSW 2	ESE 4	1	2	......
27..	59.23	58.72	22.5	29.2	92	79	SSW 2	ESE 4	6	9	......
28..	59.43	58.68	21.6	32.2	95	57	SSW 1	ESE 4	1	3	......
29..	59.36	58.64	23	30	93	64	SW 1	ESE 3	6	9	0.3
30..	58.81	58.02	21.7	30.4	94	65	SSW 2	ESE 3	3	5	......
31..	58.33	57.45	22.5	32	94	59	SW 1	ESE 4	5	5	......
Mean	60.33	59.54	21.4	31.4	93.5	63.4	1.3	3.8	3.8	3.5	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.3

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	58.92	58.52	23	32.6	93	58	SW 1	ESE 4	6	6	1.5
2..	59.83	58.97	22.8	33.6	95	55	SW 1	ESE 4	2	3	......
3..	59.77	58.14	23	32.6	93	57	SW 2	E 4	2	2	......
4..	59.33	58.14	22.7	32.8	94	57	SW 2	ENE 4	3	3	......
5..	59.88	58.87	22.1	33.2	94	55	SW 2	E 4	2	3	......
6..	60.25	59.30	21.2	33.7	93	50	SW 2	ESE 4	2	2	......
7..	60.15	57.95	22	32.7	93	59	SW 2	ESE 4	2	1	......
8..	58.86	57.22	22.4	33.3	92	56	SW 1	ESE 4	6	4	......
9..	57.71	56.36	21.5	31.5	92	62	SW 1	N 3	2	10	......
10..	56.81	56.67	24.6	30.2	90	73	Calm	ESE 4	8	8	4.6
11..	57.81	56.73	24.5	32	97	63	Calm	ESE 4	9	5	......
12..	57.76	56.61	22.5	33.6	96	50	SW 2	ESE 3	3	2	......
13..	58.16	57.55	23.1	32.1	92	56	SSW 2	ESE 4	8	5	......
14..	58.18	57.86	22.9	32.1	92	57	SW 1	ESE 4	2	4	3
15..	58.91	58.46	23.4	32.5	95	55	SW 2	ENE 4	2	5	......
16..	59.25	57.85	23.5	33.2	94	51	SW 2	ESE 4	3	2	......
17..	58.63	57.82	22.5	32.2	92	57	SW 1	ENE 4	3	5	2
18..	58.76	57.80	22.1	32.9	93	58	SW 1	ENE 4	3	3	......
19..	59.47	59.01	21.5	33.1	92	50	SW 2	ESE 3	4	2	......
20..	60.29	59.26	23.2	33.6	93	56	SSW 2	ESE 4	2	3	......
21..	60.26	59.05	23	33.2	93	50	SW 1	ESE 4	4	4	......
22..	59.67	58.56	21.8	32.7	92	55	SSW 2	ESE 4	5	4	......
23..	60.21	59.05	22.3	33.4	92	49	SW 1	E 4	4	6	......
24..	60.29	59.16	22.6	31.4	93	65	Calm	ENE 4	5	8	......
25..	60.19	58.87	22.6	32.6	93	58	SW 1	ESE 4	1	5	1.3
26..	59.17	58.32	23.2	32.5	95	60	SW 1	ESE 4	3	5	......
27..	58.79	57.17	22.4	32.8	93	60	SSW 2	ESE 3	3	5	......
28..	58.08	57.14	23	34.4	93	47	SW 1	ESE 4	3	3	......
29..	58.10	57.55	23.4	33.2	93	53	SW 2	ESE 3	2	9	5.6
30..	58.52	57.52	24.2	32.1	97	64	WSW 2	ESE 4	10	8	1.5
31..	......	......	......	......	......	......	......	......	......	......	......
Mean	59.07	58.05	22.8	32.7	93.3	56.5	1.4	3.8	3.8	4.5	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19.5

IWAHIG

[ϕ=9° 44′ N; λ=118° 38′ E; barometer above sea, 13.45 meters; gravity correction not applied, —1.86 mm.]

Day.	MAY.											JUNE.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	58.27	57.62	24.5	31.6	97	65	WSW 1	E 4	7	8	0.1	58.52	57.43	23.1	31.7	96	73	SW 1	E 4	9	8	......
2..	58.62	57.35	22.8	33	95	57	SW 1	ESE 4	2	3	......	57.22	56.35	23.6	31.4	97	73	SSW 2	ESE 4	5	6	......
3..	58.39	57.32	22.2	32.7	92	60	SW 2	ESE 4	5	6	......	57.41	56.21	23.1	32.4	96	71	SW 1	ESE 3	4	7	......
4..	58.47	57.90	22.7	32.5	94	65	WSW 2	ESE 3	2	5	......	57.35	56.76	24	30.5	93	78	WSW 1	SW 3	3	8	1.5
5..	59.10	58.78	23.8	31.8	93	65	SW 1	ESE 3	4	5	75.9	58.27	57.31	22.4	32	96	74	SW 2	ESE 4	3	7	......
6..	59.60	58.17	23.9	31.6	96	68	WSW 2	ESE 4	10	6	5.9	58.66	57.25	23.5	32.5	94	72	SW 2	ENE 4	9	6	.5
7..	58.85	58.13	24	30.5	95	70	WSW 2	ESE 3	8	9	.3	58.66	57.81	23.7	30.5	94	72	SW 2	SSW 3	9	9	5.8
8..	57.95	57.81	23.4	32.8	95	58	SW 1	ESE 3	2	2	......	58.12	56.83	22.5	32	96	72	SW 2	ESE 4	9	8	4.3
9..	58.55	57.77	24.2	33	94	59	SW 2	ESE 3	4	4	......	56.70	55.87	23.6	27.7	97	90	WSW 2	ESE 3	8	10	3
10..	58.46	57.30	23.5	33.2	94	60	SW 2	ESE 4	3	2	......	55.68	55.40	24.2	27.8	95	86	Calm	SW 3	9	10	4.1
11..	57.90	56.62	23	32.5	93	62	SW 1	ESE 3	2	6	......	56.08	56.18	24	25.1	97	94	WSW 2	WSW 3	10	10	18.3
12..	57.91	56.70	23.2	33.2	93	59	SSW 2	ENE 4	3	2	......	55.86	55.49	23.5	27.1	97	90	WSW 2	SW 2	10	10	.3
13..	57.68	56.76	22.3	32.5	92	62	SW 2	ESE 4	1	2	......	57.31	56.64	23.7	30.5	92	79	SW 2	SSE 4	10	10	.3
14..	57.66	56.57	23.3	31.6	92	68	SW 2	WNW 3	4	8	2	57.58	56.92	23.2	30.6	95	77	WSW 2	S 4	8	8	.8
15..	57.48	56.45	22.5	32.9	94	61	WSW 1	ESE 4	4	6	......	58.72	57.24	23.5	34	97	58	WSW 1	WSW 4	3	4	......
16..	57.37	56.24	22.6	33.6	95	58	SW 2	ENE 4	2	6	......	58.62	57.90	22.5	31.1	96	77	SW 2	SE 4	3	9	......
17..	57.20	56.54	23	30.6	95	73	SW 2	SW 3	2	7	......	59.12	57.67	22	32.6	95	65	WSW 2	ESE 4	1	4	......
18..	57.28	56.30	23.8	33.4	93	58	SW 2	ESE 4	3	5	4.8	58.14	57.15	22.5	32.7	96	73	Calm	ESE 4	4	5	......
19..	57.57	56.16	24	33	95	65	SW 1	SE 3	5	7	......	57.57	56.54	23.4	30.5	93	78	WSW 1	ENE 3	8	9	......
20..	57.94	57.04	24.6	31.9	95	69	SW 2	SSE 4	9	10	......	57.81	56.98	24	29.2	92	85	SW 2	SSE 4	8	10	9.1
21..	58.85	57.57	24.5	32.6	92	66	WSW 1	ESE 4	10	9	......	58.80	58.84	23.4	23.2	93	95	WSW 3	WSW 4	9	10	32.8
22..	58.63	56.98	23.4	34.2	93	57	SW 1	ESE 4	3	3	.8	59.66	59.55	21.8	25.4	95	93	W 1	W 3	8	10	6.3
23..	58.49	57.22	24.5	31.7	96	74	SW 2	ESE 3	8	9	......	58.99	58.08	22.6	31.6	96	77	WSW 2	ESE 4	9	9	......
24..	57.91	56.99	23.5	33.6	94	66	SW 1	ESE 3	10	7	......	59.22	57.50	23	33.3	95	65	WSW 1	WSW 5	7	8	......
25..	58.74	58.52	24.2	25.8	93	92	WSW 2	WNW 3	7	10	19	57.61	57.01	23.7	30.1	91	72	WSW 2	WSW 4	10	10	......
26..	58.38	56.54	23.7	33.2	95	64	WSW 2	ESE 4	5	5	.3	57.22	56.07	23.5	30.1	96	73	WSW 3	SSW 4	10	10	6.6
27..	57.26	56.19	24.1	26.1	94	96	Calm	WSW 2	5	10	12.2	57.14	57.33	23	27.7	95	85	SW 2	S 4	10	10	5.1
28..	56.70	55.67	24.5	28.2	92	88	WSW 2	WSW 3	10	10	.6	58.03	58.17	22.4	28.9	96	84	WSW 1	ENE 4	9	9	4.8
29..	56.43	55.46	23.7	32.2	96	71	WSW 1	SE 4	10	9	1.3	59.50	58.34	21.6	31.7	96	66	WSW 2	WNW 4	4	5	2.3
30..	57.10	57.20	24.4	26.5	95	91	WSW 2	WNW 2	9	10	1.3	57.89	56.79	....	30.7	....	74	W 5	WSW 4	7	9	3.6
31..	57.90	57.84	23.6	26.2	97	94	WSW 2	W 4	9	10	35.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	......
Mean	58.02	57.09	23.6	31.6	94.2	68.4	1.6	3.5	5.4	6.5	......	57.92	57.12	23.1	30.2	95.1	77.4	1.8	3.7	7.2	8.3	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	160.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	109.5

Day.	JULY.											AUGUST.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	55.96	54.99	23.7	30.4	96	76	WSW 2	WSW 4	10	10	7.6	56.16	55.45	22.9	32.7	96	70	WSW 1	SW 4	4	8	0.3
2..	57.18	57.21	24	25.9	93	96	SW 1	WSW 2	10	10	24.7	56.65	55.38	25.6	30.3	85	74	Calm	WSW 4	9	7	6.1
3..	58.48	58.64	23.2	29.7	97	82	Calm	WSW 4	10	10	17.8	57.26	55.67	23.8	29.1	95	77	SW 3	SW 4	10	10	3.8
4..	59.83	59.07	22.5	29.4	97	84	WSW 3	ESE 3	3	7	.3	56.13	56.44	24.5	23.2	94	98	Calm	S 3	10	10	9.6
5..	59.78	58.06	22.7	32.3	95	71	WSW 1	NE 4	7	8	......	57.09	56.28	22.6	30.4	97	80	Calm	NE 4	10	10	6.3
6..	58.76	58.58	23.6	31.3	95	74	WSW 3	ENE 4	4	5	1.3	56.58	56.01	24.2	31.8	93	71	WSW 4	WSW 5	10	10	......
7..	59.85	59.27	22.8	31.3	97	73	SW 3	ESE 4	8	6	......	55.62	54.39	28.2	32.3	77	71	WSW 5	WSW 5	10	8	.5
8..	59.62	59.11	23.2	31.7	95	73	SW 3	ESE 4	4	3	......	55.13	54.60	27.9	32.1	81	73	WSW 4	WSW 5	10	10	4.1
9..	59.33	58.37	22.5	32.4	96	73	Calm	ESE 4	1	4	......	55.38	55.12	28	31	79	59	WSW 3	SW 3	10	10	.5
10..	58.92	57.96	23.5	31.3	94	64	WSW 2	NE 3	10	7	.5	55.83	55.02	28.4	30.5	65	57	WSW 4	WSW 5	7	9	.3
11..	58.78	58.36	22.6	28.8	95	80	WSW 2	ESE 3	7	8	......	56.15	55.04	27	32.9	71	46	Calm	SW 6	10	8	......
12..	59.01	58.94	21.6	31.7	96	74	WSW 1	ENE 3	2	8	......	55.68	55.09	28.2	31.8	56	58	SW 3	SW 4	8	8	......
13..	59.02	58.61	21.9	30.7	96	76	WSW 2	NE 4	2	9	14.5	56.55	55.81	24.5	31.8	86	48	WSW 2	SW 3	10	10	4.1
14..	59.09	58.82	21.9	27.5	96	88	SW 2	WSW 3	3	10	13	57.92	57.19	24.9	29.7	87	72	WSW 3	SE 3	10	10	1.3
15..	58.44	57.14	21.8	31.2	96	75	WSW 2	ENE 3	3	4	.3	58.36	57.54	23.4	31.7	93	51	WSW 2	WSW 4	10	10	......
16..	58.17	56.90	22.6	30.7	97	78	SW 2	ESE 4	2	6	.1	58.71	57.81	21.9	33.4	96	43	WSW 1	WNW 4	4	3	......
17..	58.28	57.82	22.9	25.6	94	90	SW 3	WSW 4	4	10	32.5	59.68	58.42	22	31.9	95	54	W 2	W 3	2	6	......
18..	57.98	57.40	22.7	26.6	97	90	SW 2	WSW 2	4	8	.5	59.18	57.45	22.5	32.3	96	59	WSW 1	W 4	5	5	......
19..	57.18	56.62	21.8	25.5	96	96	WSW 1	W 4	2	9	4.6	57.88	57.29	27.7	32.4	73	55	W 4	WSW 4	8	8	8.4
20..	56.53	56.21	22.5	24.5	96	92	WSW 3	NNW 4	10	10	17.8	57.49	56.55	25.4	30.2	85	62	WSW 3	WSW 4	10	8	8.4
21..	55.92	55.18	22.2	28	95	89	WSW 2	WSW 3	5	10	13.3	57.63	56.61	23.5	31.2	92	64	SSW 2	SW 4	6	9	2
22..	56.13	54.86	22.5	31	96	75	SW 2	SW 4	10	8	15	58.47	57.06	21	33.1	95	47	W 2	WSW 4	2	4	......
23..	56.16	56.66	23.7	26.5	96	86	WSW 3	WSW 4	10	10	13.7	58.23	57.02	21.2	33.2	94	47	WSW 2	WSW 4	2	5	......
24..	55.78	56.04	23	28.4	95	80	SW 3	WSW 3	10	10	10.5	57.79	56.67	21.5	32	92	69	WSW 2	ESE 3	3	6	......
25..	56.06	56.08	23	26.3	96	93	WSW 2	ENE 3	10	10	15.5	57.39	56.19	21.5	32.3	95	51	W 2	W 4	5	10	......
26..	55.97	56.10	23.4	27.1	95	83	SW 2	WSW 5	10	10	1.5	57.52	57.22	22.5	33.5	92	50	Calm	WSW 3	9	10	......
27..	54.41	53.89	26.8	30.6	80	70	WSW 5	SW 6	10	10	9.4	58.63	57.67	22.7	33	94	52	WSW 2	WSW 4	5	9	......
28..	55.39	54.89	25.4	29.2	82	74	SW 5	SW 4	10	10	9.1	57.74	56.63	21.8	30.6	94	67	WSW 2	ESE 2	5	9	......
29..	55.52	54.31	21.8	32.7	96	65	W 2	SW 5	6	5	......	57.47	55.92	20.7	30.5	94	61	SW 2	WSW 4	9	10	......
30..	55.12	53.55	21.2	33.8	93	60	WSW 2	SW 4	2	3	......	57.71	57.36	25.5	29.5	83	73	WSW 3	S 3	10	10	.5
31..	55.43	54.34	22.5	33.6	96	60	SW 1	WSW 4	2	5	......	57.40	56.56	23.4	28.6	93	72	WSW 1	SW 4	5	10	11.9
Mean	57.49	56.90	22.9	29.5	94.6	78.7	2.2	3.7	6.2	7.8	......	57.27	56.37	24.2	31.3	87.7	62.3	2.1	3.9	7.4	8.4	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	223.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	68.1

IWAHIG

[ϕ=9° 44′ N; λ=118° 38′ E; barometer above sea, 13.45 meters; gravity correction not applied, —1.86 mm.]

Day.	SEPTEMBER.											OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1	57.06	56.19	22.6	28	95	73	WSW 3	WSW 3	8	10	8.2	58.52	57.49	22.4	31.1	96	62	SW 1	ESE 3	2	5	2.8
2	57.98	57.52	23.5	29.2	92	76	WSW 2	NNW 2	10	9	11.7	58.01	57.18	21.5	26.1	95	91	SW 1	WSW 3	2	10	2.6
3	59.08	58.09	23	30.5	97	70	SW 3	E 4	9	8	.....	57.86	57.95	21.5	25	97	93	WSW 1	SW 2	3	10	14.3
4	59.37	58.40	22.1	32.1	94	62	S 3	ESE 4	3	3	.....	58.32	57.48	22.1	29.3	96	73	Calm	NNW 4	4	8	.....
5	59.64	57.99	21.7	32.7	96	49	WSW 2	WNW 4	4	4	.8	58.24	56.78	23	30.6	95	69	WSW 2	ESE 3	6	6	2.7
6	59.61	58.07	24	29.4	93	64	SW 2	SW 1	10	10	1	57.84	57.29	23.6	29.4	91	75	WSW 1	SSW 3	7	10	1.8
7	57.66	57.82	24.1	27.4	92	76	W 1	WSW 3	10	10	.....	58.43	57.69	22.5	28.6	96	80	Calm	SW 3	6	9	16.8
8	57.45	57.22	24	28.1	93	70	Calm	SW 3	10	10	16.3	57.86	56.54	24	25.9	93	91	Calm	SSW 2	10	10	41.2
9	57.70	57.47	23.6	28.6	90	69	WSW 3	SSW 2	10	10	.3	56.92	56.39	23.1	25.8	97	79	SW 2	SW 3	10	10	15
10	57.43	56.32	22.7	29	96	78	Calm	ENE 3	10	9	6.9	56.69	55.89	23	28.4	97	73	Calm	SSW 4	10	10	.6
11	55.95	55.60	23.8	24.5	95	87	WSW 2	W 2	10	10	32	56.78	56.68	22.4	30.5	97	66	Calm	SSW 4	10	9	.....
12	55.78	55.25	23.4	27.4	92	71	WSW 3	WSW 4	10	10	11.2	59.57	58.29	23.1	29.6	97	77	Calm	ESE 2	10	9	.....
13	55.80	56.42	24	23.8	86	90	SW 4	SSW 3	10	10	23.7	59.36	58.22	22.4	32.8	93	52	WSW 1	WSW 3	6	6	.8
14	57.06	56.52	23.4	29	93	72	Calm	WSW 3	10	10	2.5	58.40	57.55	25	25.9	92	86	Calm	WSW 2	10	10	64.3
15	57.25	56.85	23.4	26.7	97	90	Calm	ESE 2	10	10	2.5	56.06	54.23	23	24.9	95	73	SW 2	SW 4	10	10	32.3
16	58.02	57.67	23	25.2	97	92	Calm	Calm	10	10	41.6	56.07	55.23	23.2	28.7	95	70	Calm	SSW 2	10	10	1.8
17	58.47	58.18	21.5	28.2	95	83	WSW 2	SSW 3	6	10	17.8	57.87	56.79	21.7	26.4	97	92	WSW 1	Calm	6	9	5.8
18	59.36	58.95	23.1	28.3	96	80	WSW 1	NNW 2	10	8	4.1	58.07	56.48	21.7	28	97	88	SW 2	NNW 3	2	9	6.6
19	59.38	58.64	23	26.4	96	89	Calm	NNW 3	10	10	8.4	58.19	56.74	22.1	29.9	96	73	SW 2	ESE 2	4	8	.....
20	58.71	57.64	23.3	29.8	96	77	SW 2	SW 2	8	7	.....	58.22	57.69	22	29	96	79	Calm	ENE 2	5	9	3.6
21	58.44	57.24	22.4	29.6	95	79	SW 3	ESE 3	8	7	17.5	59.03	58.72	22.5	25.5	96	91	SW 1	E 2	4	10	13.2
22	58.74	57.79	22.7	31	96	68	SW 2	ESE 3	2	5	1.5	59.52	57.96	21	31.2	95	64	SW 2	ESE 3	1	2	.....
23	58.13	57.54	24.2	31.3	97	70	WSW 2	ESE 3	9	5	12.2	59.43	58.30	21.5	31.1	95	67	SW 2	ENE 3	2	5	.....
24	58.12	57.87	23.5	31.2	96	71	SW 1	ESE 3	4	5	.....	59.17	58.13	22	31	96	65	WSW 2	ESE 3	2	3	.....
25	58.61	57.99	22.9	31	92	71	SW 3	ENE 3	2	6	2.3	59.32	57.89	22.4	31	96	67	SW 2	ESE 3	4	9	9.4
26	58.82	57.98	22.7	31.1	95	67	SW 1	ENE 3	7	8	.....	59.47	58.02	22.9	31.2	96	67	SW 1	ESE 3	4	4	10.4
27	58.77	57.80	23	31.6	97	65	WSW 2	ESE 3	3	4	.....	59.66	58.84	23	28.1	97	74	SW 2	WSW 4	2	9	20.6
28	58.91	57.58	21.7	31.2	97	63	SW 1	ESE 2	2	5	.....	58.97	57.81	22	31	96	72	WSW 1	ESE 3	1	5	1.8
29	59.19	57.88	22.1	27	96	87	WSW 1	N 3	4	10	9.7	58.43	57.53	24.2	27.1	95	88	WSW 2	SSW 2	9	9	15.5
30	59.06	56.89	22.2	31.5	96	65	SW 2	ESE 3	2	3	.....	58.81	57.14	24	28	97	79	Calm	WSW 2	10	10	2.3
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	58.03	57.86	22.6	24.1	98	94	Calm	WSW 2	10	10	32.5
Mean	58.18	57.45	23	29	94.6	74.1	1.7	2.7	7.4	7.9	.....	58.29	57.32	22.6	28.6	95.6	76.5	1	2.7	5.9	8.2	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	232.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	318.7

Day.	NOVEMBER.											DECEMBER.[a]										
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1	59.02	57.54	21.2	29.8	95	74	WSW 1	ESE 3	5	5	0.3	58.22	57.57	24.1	29.2	96	74	SW 2	ENE 4	10	8	1
2	58.89	57.36	22.5	30.8	94	67	SW 2	E 3	10	6	.....	58.23	57.82	23	30.5	96	70	SW 2	E 3	7	5	.....
3	58.27	57.13	22.7	31.8	96	65	SW 3	ESE 3	3	2	.....	58.41	56.61	22.1	31.5	96	58	WSW 1	NW 3	2	3	2
4	57.91	57.02	23.3	31.3	94	70	SW 2	ENE 4	4	5	.....	56.41	54.84	23.6	29.7	95	71	WSW 2	WNW 3	8	10	87.4
5	57.23	56.48	24	30.8	96	68	SW 2	ENE 4	8	9	2.2	54.58	53.89	23.8	25	93	90	SW 4	SW 4	10	10	25.4
6	57.19	56.29	24.5	31.1	96	69	Calm	ESE 4	9	4	.....	55.61	55.69	25	27.6	82	81	SW 4	SSW 2	10	9	.8
7	58.45	57.27	23.5	28.9	96	83	Calm	ESE 3	10	9	22.6	57.61	57.19	22.1	30	97	69	SW 2	E 3	8	6	.....
8	58.86	57.49	23.5	29.5	97	70	SW 1	E 2	10	5	1.1	58.77	57.21	21.2	30.7	95	62	WSW 1	E 3	2	6	10.7
9	58.15	57.03	23	27.6	95	83	SW 2	SW 2	10	8	6.1	58.33	57.47	21.6	27.6	96	83	SW 1	WSW 2	2	10	3.6
10	57.86	56.47	22	30.3	96	61	SW 2	WSW 4	4	5	.....	58.34	57.68	22	30.2	96	68	SW 2	ENE 3	10	7	.....
11	57.29	56.51	22	26.9	96	83	WSW 2	SW 3	2	10	2	58.61	58.08	21.9	29.9	96	68	SW 2	NE 4	7	7	.....
12	57.98	56.89	22.5	30.2	97	73	SW 2	ESE 3	3	6	.....	58.43	57.78	22.2	30	95	67	WSW 2	ENE 4	6	8	17.3
13	58.07	57.47	21.7	31.7	96	65	WSW 2	ENE 4	4	3	.....	57.91	56.52	21.5	30.8	95	64	WSW 2	ESE 3	4	4	.....
14	58.78	58.08	21.7	26.9	97	82	SW 2	WSW 2	2	10	3.9	57.34	56.32	21.8	30.5	96	68	SW 3	ESE 3	2	5	.....
15	58.28	57.13	22	27.7	96	81	WSW 1	WSW 4	4	9	4.3	57.66	57.02	21	31	96	64	SW 2	ESE 3	2	4	.....
16	57.69	56.82	22	28	96	88	SW 2	ESE 2	4	10	4.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
17	57.92	56.94	23	28	97	83	WSW 1	N 3	8	10	3.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
18	57.93	56.85	23	30.7	97	66	WSW 2	WSW 3	5	10	.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
19	57.62	56.29	22.9	30.6	97	62	Calm	WSW 3	6	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	57.33	55.77	21.5	29.6	96	75	SW 1	S 4	2	9	7.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21	57.21	56.08	22.2	29.8	96	77	SW 2	NNE 4	4	8	28.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
22	58.06	57.69	21.5	30.2	96	69	SW 2	WNW 2	2	7	4.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
23	59.64	58.70	22.2	25.9	96	85	SW 2	W 3	10	10	6.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24	58.92	58.48	23.8	26.7	90	79	SW 2	WSW 3	10	10	13.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	58.43	57.81	23.8	25.3	95	91	NE 4	Calm	10	10	37.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	58.43	57.60	23	29.5	95	65	SW 2	ENE 4	8	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	58.27	57.47	20.6	27.8	96	83	SW 2	E 2	6	10	1.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
28	57.51	58.19	21.5	29.1	95	73	WSW 2	SE 3	7	8	.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	59.12	57.74	23	29.8	97	74	WSW 1	ESE 3	2	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	58.67	57.36	22.6	31.5	96	68	SW 2	E 3	4	5	.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	58.17	57.20	22.6	29.3	95.7	74.4	1.7	3	5.9	7.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	151.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

[a] Station temporarily closed from the 16th to the 31st.

MAASIN, LEYTE

[φ=10° 08′ N; λ=124° 50′ E; barometer above sea, 7.3 meters; gravity correction not applied, —1.85 mm.]

Day.	JANUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a.m.
	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.50	58.85	22	29.8	94	82	N 1	S 1	10	10	......
2..	59.98	58.50	23.8	30.4	93	80	N 1	S 1	10	8	......
3..	60.76	59.58	23.2	31.1	93	78	N 1	S 1	7	5	......
4..	61.06	59.70	23	32	91	75	N 1	E 2	5	7	......
5..	61.26	60.28	22.8	31	93	76	N 1	E 2	7	8	......
6..	62.63	61.35	22.6	31.8	93	78	N 1	E 2	8	9	8.6
7..	61.96	60.49	22.5	31	94	75	N 1	E 3	10	8	5.6
8..	62.07	60.54	21.6	30.4	89	77	N 1	S 1	8	7	......
9..	60.52	59.10	21.5	31.2	94	77	N 1	E 1	9	8	......
10..	59.89	58.75	22	28	91	85	N 1	S 1	10	10	11.2
11..	59.99	58.84	22.1	29	92	83	N 1	S 1	8	10	......
12..	59.95	58.89	21.2	30.7	91	74	N 1	S 1	9	10	......
13..	60.45	59.30	21.6	29.5	95	83	N 1	NE 1	10	8	......
14..	62.05	60.88	20.2	30	94	81	N 1	NE 1	5	5	......
15..	62.19	60.90	20	29.6	91	81	N 1	NE 1	5	8	......
16..	61.90	60.95	22	28	93	77	N 1	N 1	10	10	......
17..	61.83	60.73	22.2	27.8	93	82	N 1	N 1	10	10	......
18..	62.30	60.98	22	31.6	91	77	N 1	E 2	10	6	......
19..	62.20	61.28	22.4	30	95	80	N 1	NE 1	8	10	......
20..	62.62	60.78	19.5	29	93	81	N 1	S 1	5	10	......
21..	61.75	60.55	22	27	91	84	N 1	N 1	10	10	......
22..	61.40	60.28	22.2	29.8	93	82	N 1	W 1	10	10	......
23..	61.10	60.33	22.4	28.5	91	80	N 1	N 1	10	10	29.8
24..	60.86	59.66	22	29.6	91	81	N 1	NE 1	10	10	30.3
25..	60.65	59.25	22.5	31	92	75	N 1	S 1	10	8	......
26..	61.28	60.15	22.8	30.9	93	79	N 1	E 2	10	8	......
27..	60.92	60.20	22	31	93	79	N 1	NE 1	5	8	......
28..	61.20	60.03	22.4	31.2	93	77	N 1	NE 1	6	5	......
29..	60.97	60.03	22.5	31.6	92	77	N 1	E 2	8	5	......
30..	61.22	60.08	23.4	31	93	77	N 1	S 1	10	7	......
31..	61.01	60.03	23.2	31.2	91	77	N 1	E 2	10	9	......
Mean	61.24	60.04	22.1	30.2	92.5	79	1	1.3	8.5	8.3	......
Total	....	....	....	....	....	....	....	....	....	....	85.5

Day.	FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a.m.
	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	61.45	60.48	22.5	30	92	80	N 1	E 2	10	6	......
2..	61.35	60.43	22.8	29.4	93	78	N 1	W 1	10	10	......
3..	62.56	60.29	23	30	93	78	N 1	E 2	10	5	......
4..	61.96	60.88	23.8	30	95	81	N 1	W 1	10	10	......
5..	62.90	61.10	22.7	30.8	94	76	N 1	E 2	10	8	......
6..	62.92	62.05	23.2	30.5	93	76	N 1	E 3	10	7	......
7..	62.95	61.18	23.1	31	92	79	N 1	E 2	10	6	......
8..	62.47	60.44	23	31	91	77	N 1	E 2	10	6	......
9..	62.65	60.88	23.3	32	92	72	N 1	E 2	10	5	......
10..	62.05	60.76	22.2	29.5	91	80	N 1	E 2	8	8	......
11..	62.12	60.79	22.6	29.9	93	82	N 1	S 1	8	10	......
12..	61.31	60.18	23.2	31	93	79	N 1	E 2	10	5	......
13..	61.51	60.38	23.4	30.8	91	77	N 1	E 2	10	6	......
14..	61.52	60.33	22	32.6	93	75	N 1	E 2	8	6	......
15..	61.75	60.28	23	32.5	91	75	N 1	S 2	10	8	......
16..	61.16	60.08	22.8	30.4	93	81	N 1	W 1	10	10	......
17..	60.40	59.58	23	32	93	78	N 1	SW 1	10	7	......
18..	60.02	58.85	23.5	28.5	94	84	N 1	W 1	8	10	19.3
19..	60.52	59.75	23.5	28.4	92	82	N 1	W 1	10	10	......
20..	60.55	59.32	22.2	30	93	75	N 1	S 1	10	10	......
21..	60.65	59.03	22.6	30.5	95	76	N 1	S 1	10	10	......
22..	60.17	57.75	23	31	93	79	N 1	E 2	10	8	......
23..	59.43	58.10	23.4	30.4	93	77	N 1	W 1	10	6	......
24..	60.27	58.74	22.2	32	95	75	N 1	NE 1	10	7	......
25..	60.07	58.70	22.6	30.7	95	76	N 1	W 1	10	8	......
26..	59.98	59.28	21.8	31	87	79	N 1	SW 2	9	9	......
27..	60.80	59.98	22	30.3	93	74	N 1	E 3	10	8	......
28..	60.62	59.92	23	29.4	93	79	N 1	W 1	10	10	6.9
29..	....	....	....	....	....	....	....	....	....	....	....
30..	....	....	....	....	....	....	....	....	....	....	....
31..	....	....	....	....	....	....	....	....	....	....	....
Mean	61.29	59.98	22.8	30.6	92.7	77.9	1	1.6	9.7	7.8	......
Total	....	....	....	....	....	....	....	....	....	....	26.2

Day.	MARCH.										
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.72	59.35	23.5	31.2	94	77	N 1	NE 1	10	8	......
2..	60.17	59.46	23.8	29.5	91	81	N 1	W 1	10	10	......
3..	60.76	59.98	22.5	31.5	92	77	N 1	S 1	10	6	......
4..	61.22	60.28	23.6	30.5	95	76	N 1	S 1	10	6	......
5..	61.25	60.30	24.5	30.2	92	77	N 1	W 1	10	8	......
6..	61.52	60.08	23.5	31.8	92	75	N 1	E 2	8	5	......
7..	60.75	59.76	24	30.5	91	74	N 1	E 2	5	10	......
8..	60.76	59.09	24.1	31.5	92	78	N 1	E 1	8	5	......
9..	61.16	59.60	23.6	30.1	93	80	N 1	SE 3	10	7	......
10..	61.07	60.53	24.8	30.1	93	82	N 1	E 2	10	10	......
11..	61.32	59.80	21.5	30.4	90	77	N 1	W 1	8	8	......
12..	61.44	61.21	24.4	26	89	84	N 1	S 1	10	10	7.9
13..	61.37	60.28	23.5	30.5	94	76	N 1	W 2	10	10	......
14..	60.95	60.19	22	31	93	75	N 1	W 1	10	8	......
15..	61.02	60.14	23.6	29.5	95	81	N 1	W 1	10	10	......
16..	61.03	59.80	22.4	30.8	93	76	N 1	W 1	5	8	......
17..	60.85	59.94	24.2	30.5	90	76	N 1	W 1	10	10	......
18..	61.67	60.30	23.8	30.7	93	74	N 1	W 1	10	10	......
19..	61.72	60.98	24.7	30.5	94	75	E 2	E 2	10	10	......
20..	61.83	60.38	25	31.5	92	75	E 1	E 2	8	10	......
21..	61.26	59.79	23	30.8	91	76	N 1	E 2	8	7	......
22..	60.95	59.98	24	31	93	76	N 1	E 2	8	5	......
23..	60.87	60.08	23.8	31.2	95	75	N 1	S 1	10	5	......
24..	60.23	59.15	24.8	31	87	73	N 1	W 1	5	8	......
25..	60.17	58.65	21.6	30.8	89	84	N 1	E 2	6	6	......
26..	60.67	59.16	22.6	29	91	79	N 1	W 1	8	10	9.4
27..	59.58	58.48	23.8	30	93	78	N 1	S 1	10	8	......
28..	60.02	59.01	24	29.2	94	79	N 1	W 1	10	10	......
29..	59.93	58.80	22.8	30.7	93	76	N 1	S 1	10	9	......
30..	60.07	57.68	24	31.4	91	76	N 1	E 2	10	8	......
31..	59.37	58.65	24.2	31	93	79	N 1	SE 2	10	8	......
Mean	60.83	59.71	23.6	30.5	92.2	77.3	1	1.4	8.9	8.2	......
Total	....	....	....	....	....	....	....	....	....	....	17.3

Day.	APRIL.										
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.13	58.80	25	31.8	92	76	N 1	E 2	10	8	......
2..	59.80	58.80	24.8	31.8	93	75	E 2	S 1	8	6	......
3..	60.23	59	25.2	31.5	93	74	N 1	E 2	10	9	......
4..	59.87	59.60	22.6	30.6	93	77	N 1	E 3	10	5	......
5..	60.37	59.13	24	31.2	91	77	N 1	E 2	9	9	......
6..	60.51	59.20	23.9	31.9	94	74	N 1	W 2	10	5	......
7..	60.28	57.77	23.8	32	93	72	N 1	S 1	6	5	......
8..	58.89	56.75	24.1	29	92	85	N 1	W 1	5	10	......
9..	57.72	56.48	25	30.4	93	78	N 1	S 1	6	8	......
10..	57.82	56.80	26.6	31	90	76	E 2	E 2	5	7	......
11..	58.25	57	26	31.6	92	79	E 2	E 3	6	8	......
12..	59.01	57.48	25.8	32	90	66	N 1	E 2	8	4	......
13..	58.95	57.71	25.2	29.6	93	77	N 1	S 1	9	10	......
14..	58.60	58.48	25.6	31.2	92	77	N 1	E 2	10	10	......
15..	60.05	58.98	25.6	32.2	93	73	N 1	E 2	10	5	......
16..	59.81	58.35	24.5	31	94	79	N 1	E 2	5	6	......
17..	59.37	57.96	24	32.4	93	76	N 1	E 3	4	4	......
18..	59.32	58.18	23.6	31	95	79	N 1	E 1	5	8	......
19..	59.87	59.10	25.4	31.6	92	76	N 1	E 2	8	8	......
20..	60.40	59.25	25.2	32.6	93	75	N 1	E 1	5	9	......
21..	60.77	59	24	32	95	74	N 1	W 1	8	8	......
22..	60.17	58.90	24.5	29	92	85	N 1	S 1	10	10	......
23..	60.50	58.90	24.6	32	95	72	N 1	E 2	10	5	......
24..	60.62	59.28	24	32.2	91	74	N 1	W 1	4	5	......
25..	60.45	59	24.4	30.2	93	77	N 1	E 2	8	10	......
26..	60.17	57.75	24	32	93	78	N 1	E 2	10	5	......
27..	58.93	57.73	25.2	32.1	92	78	N 1	E 2	7	7	......
28..	58.67	57.69	26	26	90	84	N 1	NW 1	10	10	29.2
29..	58.74	57.98	24.4	29	93	83	N 1	NE 1	10	10	......
30..	59.38	58.05	25.4	32.2	88	76	E 2	E 2	10	5	......
31..	....	....	....	....	....	....	....	....	....	....	....
Mean	59.59	58.30	24.7	31.1	92.4	76.7	1.1	1.7	7.9	7.3	......
Total	....	....	....	....	....	....	....	....	....	....	29.2

MAASIN, LEYTE

[φ=10° 08′ N; λ=124° 50′ E; barometer above sea, 7.3 meters; gravity correction not applied, —1.85 mm.]

Day.	MAY.											JUNE.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.49	57.70	23	31.6	90	75	N 1	E 2	4	5	......	58.85	57.43	26	31.5	94	81	N 1	E 2	8	7	......
2..	59.57	57.78	23.5	32.6	94	71	N 1	E 2	7	5	......	57.58	55.56	25.4	32.5	97	76	N 1	W 2	10	8	12.2
3..	59.14	58.08	24	31.4	93	76	N 1	NE 1	9	8	......	57.25	55.98	25.2	30.6	95	87	N 1	S 1	10	10	......
4..	59.17	58.18	24.2	32	92	72	N 1	S 1	10	10	......	57.35	56.15	25.8	31.6	93	86	N 1	S 1	10	10	......
5..	60.01	59	24.7	32	94	71	N 1	E 2	10	8	......	57.50	58.05	26	26.6	93	90	N 1	N 1	10	10	16.5
6..	59.85	58.60	25.1	29	91	81	N 1	S 1	10	10	......	58.44	57.95	25	28	95	91	N 1	S 1	10	10	15.2
7..	59.29	57.43	24.2	32.4	93	70	N 1	S 1	10	8	......	58.72	57.34	24.9	27.2	96	92	N 1	N 1	10	10	62.5
8..	58.72	57.47	24.4	31.5	90	66	N 1	E 2	9	8	......	57.73	56.87	24.6	25.2	97	95	N 1	NW 2	10	10	86.1
9..	59.27	57.30	25.4	31.8	93	64	N 1	E 2	10	7	......	57	56.10	25.4	29.5	95	83	SW 4	SW 4	10	10	......
10..	58.82	57.15	26.6	30.8	80	72	N 1	SE 2	8	7	......	57.17	56.23	27	30.9	92	85	SW 3	SW 3	10	10	......
11..	58.02	56.50	26.5	39.8	86	79	N 1	SE 2	10	8	......	57.76	56.90	26.6	30.7	94	85	SW 3	SW 4	10	10	......
12..	58.67	57.15	26	30.5	92	79	N 1	SE 2	7	8	......	57.75	56.78	25.4	31	97	83	SW 2	SW 3	10	9	......
13..	58.50	56.83	27	31.8	87	64	N 1	E 2	10	8	......	57.87	57.45	25.6	30.6	96	85	N 1	E 2	10	10	......
14..	58.73	57	26	32.5	90	63	N 1	E 2	10	5	......	58.47	57.65	25.4	31	93	83	N 1	S 1	8	10	......
15..	58.52	56.20	25.8	32.7	88	66	N 1	S 1	8	8	......	58.85	57.88	25.6	32	95	82	N 1	S 1	10	8	......
16..	57.42	56	26.4	31.4	90	75	N 1	S 1	10	9	......	59.40	58.30	25.5	31.5	96	82	SE 2	S 1	10	8	......
17..	57.52	55.78	25.2	32	90	72	N 1	S 1	8	8	......	59.37	57.66	25.5	32	94	76	N 1	S 1	10	7	......
18..	57.70	56.50	26.4	31.4	89	75	N 1	S 1	10	10	......	58.65	57.15	25.8	29.9	93	86	N 1	S 2	10	10	16.5
19..	58.42	56.90	26.2	31.4	92	73	N 1	SE 2	7	5	......	57.77	56.56	25.4	29	87	88	N 1	W 2	10	10	59.9
20..	59.16	57.55	26	32.8	92	70	N 1	S 1	10	7	......	57.52	57.40	24.6	31	95	82	N 1	S 1	10	10	......
21..	59.02	57.93	26.4	31.6	90	76	N 1	S 2	8	8	......	58.51	58.10	25	31.7	97	81	N 1	S 2	10	8	......
22..	59.35	57.18	25.6	30.7	90	80	N 1	SE 2	10	7	......	59.75	58.70	25	30.5	97	83	N 1	S 2	10	10	......
23..	58.77	57.31	26.2	30.5	92	80	N 1	N 1	10	10	21.6	58.95	57.98	25.6	30.8	95	85	N 1	SW 2	9	10	......
24..	58.81	57.89	26.5	31.1	91	78	N 1	S 2	9	10	......	58.72	57.55	24.8	30	96	84	N 1	SW 3	10	10	24.9
25..	59.15	57.80	26.4	31.4	92	79	N 1	S 1	8	8	......	58.12	57.10	25	27.5	97	93	SW 1	SW 3	10	10	20.8
26..	58.67	57.10	25.5	31.6	85	79	N 1	S 2	10	8	......	57.49	56.93	24.4	28.8	97	86	N 1	SW 2	10	10	......
27..	57.85	56.03	25.6	31.5	93	81	N 1	S 1	8	9	......	58.40	57.50	26.6	31	95	85	E 2	S 2	10	7	......
28..	57.82	56.11	25.8	31.5	92	79	N 1	S 1	10	7	......	59.32	58.26	24.8	31	95	84	N 1	S 1	8	8	......
29..	57.23	55.76	26	32.4	92	71	N 1	E 2	10	7	......	59.02	57.40	25	28	95	92	N 1	N 1	9	10	69.8
30..	57.77	56.95	25.6	30.6	90	80	N 1	S 1	10	8	19.8	57.81	55.40	25	27.6	96	92	N 1	NW 1	10	10	45.9
31..	58.48	57.65	25.8	31.4	92	79	N 1	SE 1	10	9	......	......	......	......	......	......	......	......	......	......	......	......
Mean	58.67	57.19	25.5	31.5	90.5	74.1	1	1.5	9	7.8	......	58.24	57.21	25.4	30	94.9	85.4	1.3	1.8	9.7	9.3	......
Total	......	......	......	......	......	......	......	......	......	......	41.4	......	......	......	......	......	......	......	......	......	......	430.3

Day.	JULY.											AUGUST.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	55.42	54.83	23.5	28	94	92	N 1	SW 4	10	10	......	56.35	55.55	26.6	31.1	89	72	SW 3	SW 4	10	8	......
2..	57.67	57.06	26	29.5	95	81	SW 5	SW 4	10	10	......	57.08	56.25	26.8	29.8	90	76	SW 3	SW 3	10	10	......
3..	60.25	59.40	26	30	94	84	E 2	S 1	10	10	......	56.82	56	26.6	29.8	90	79	SW 3	SW 4	10	10	......
4..	60.27	59.25	25	30.6	92	81	N 1	S 1	10	10	......	56.80	55.90	25.4	29	87	74	N 1	SW 4	10	10	......
5..	59.99	58.63	23	30	95	82	N 1	S 1	10	10	......	57.25	56.50	25.5	32.4	86	69	SW 1	SW 3	10	5	......
6..	59.97	58.31	24.2	29.8	93	82	N 1	S 1	10	7	......	58.10	56.28	27.2	30.5	90	68	SW 4	SW 4	10	10	......
7..	60.67	60	24.7	27.2	94	90	N 1	W 1	10	10	......	56.05	54.35	27.6	30.5	88	78	SW 4	SW 4	8	10	......
8..	60.45	59.35	25.4	32	90	76	N 1	S 1	8	8	......	55.19	54.95	27.4	27.2	87	87	SW 3	SW 3	10	10	4.6
9..	59.47	58.40	24.5	32.4	92	74	N 1	S 1	10	6	......	55.42	54.73	26.5	31.5	88	66	SW 3	SW 3	8	10	......
10..	59.25	58	24.6	30	95	81	N 1	S 1	10	10	......	55.50	55.10	26.6	31.4	89	70	SW 4	SW 4	10	10	......
11..	59.17	57.93	25	30.8	92	77	N 1	S 1	10	6	......	56.35	54.90	27	29.6	89	74	SW 4	SW 4	10	10	......
12..	59.97	58.55	25	30.5	93	78	N 1	W 1	7	10	......	56.20	55.30	27.6	31	87	72	SW 4	SW 4	8	10	......
13..	59.65	58.44	25.2	28.5	92	88	N 1	N 1	10	10	......	57.40	56.55	27.5	31.8	88	74	SW 3	SW 4	10	9	......
14..	59.15	58.20	25.4	31.5	93	75	N 1	S 1	10	8	44.4	58.16	57.15	27.2	31.4	90	72	SW 3	SW 4	8	10	......
15..	58.96	58.10	25	30.6	95	78	N 1	S 1	6	8	......	58.72	57.60	25.2	31.2	90	71	N 1	SW 3	8	8	......
16..	58.54	57.20	24.8	30.5	95	78	N 1	S 1	8	10	......	58.92	58.18	26.4	31.2	86	73	N 1	SW 3	8	8	......
17..	57.75	57.90	25	27	92	90	N 1	SW 3	10	10	......	59.15	57.36	25.2	32	90	60	N 1	W 2	10	8	4.1
18..	57.81	57.42	24.6	27.2	95	90	N 1	W 1	10	10	29.2	58.32	56.21	25.5	32.2	91	58	N 1	W 2	10	9	41.9
19..	57.17	56.45	24.6	27	96	92	N 1	N 1	10	10	5.6	56.95	55.95	25	29	90	79	SW 3	SW 4	10	10	6.1
20..	56.02	55.72	24	26.8	91	90	N 1	W 1	10	10	......	56.72	56.45	26	29.6	92	77	SW 4	SW 4	10	10	......
21..	56.19	55.71	23	31	97	75	N 1	S 1	10	10	14.7	59.52	58	24.5	30.5	84	72	N 1	S 2	10	8	......
22..	56.77	55.85	24.8	29.2	93	83	N 1	W 2	10	10	6.9	58.82	57.50	25.4	32.5	85	68	N 1	S 1	8	5	7.1
23..	56.47	56.27	24.2	25.1	95	88	N 1	W 1	10	10	39.3	57.98	56.85	26	31.5	90	70	N 1	SW 2	10	8	......
24..	56.69	55.85	24.4	26.6	91	89	N 1	N 1	10	10	31.5	57.42	56.20	26.4	30	94	75	SW 4	SW 4	10	10	12.2
25..	57.22	56.70	25	32	92	69	N 1	S 1	10	10	......	57.72	56.60	26.6	30.5	89	75	SW 2	SW 4	10	8	......
26..	56.70	55.61	26	28.1	89	78	N 1	W 2	10	10	44.4	58.12	58.41	24.5	30.4	91	73	N 1	S 1	10	9	......
27..	55.22	55.05	26.4	27.8	87	79	SW 4	SW 3	10	10	......	59.52	58	25.1	30.5	88	72	N 1	S 1	10	10	6.9
28..	56.52	55.57	24	28	91	80	SW 2	SW 4	10	10	6.6	57.47	56.40	24.4	31.7	91	62	N 1	W 1	10	9	27.4
29..	55.81	54.80	26.2	30.4	90	74	SW 3	SW 3	10	10	......	56.02	55.55	25.6	28.5	87	81	W 2	SW 4	10	10	12.7
30..	54.84	54	25.6	30.5	88	75	SW 2	SW 3	10	10	......	57.94	56.91	24.2	30.5	90	72	N 1	SW 2	10	10	18.8
31..	55.65	55.08	24.5	31	89	72	N 1	SW 4	10	10	......	58.17	56.39	26	30.1	90	77	SW 4	SW 3	10	10	......
Mean	57.93	57.08	24.8	29.3	92.6	81.3	1.4	1.7	9.6	9.5	......	57.42	56.39	26	30.6	88.9	72.5	2.4	3.1	9.5	9.1	......
Total	......	......	......	......	......	......	......	......	......	......	222.6	......	......	......	......	......	......	......	......	......	......	141.8

MAASIN, LEYTE

[$\phi = 10° 08'$ N; $\lambda = 124° 50'$ E; barometer above sea, 7.3 meters; gravity correction not applied, —1.85 mm.]

Day.	SEPTEMBER.											OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	58.30	56.75	25	30.7	92	69	N 1	S 2	10	8	......	58.55	57.10	25.5	31.4	91	68	N 1	W 1	10	8	......
2..	58.77	58.25	25.2	30.4	93	70	N 1	S 1	10	10	......	58.05	55.95	25.5	30.8	91	65	N 1	W 2	10	8	......
3..	59.55	58.35	25.1	31.1	91	69	N 1	S 1	10	5	......	58.02	56.85	25	29.2	92	79	N 1	S 1	10	10	5.8
4..	59.77	58.40	25	28.6	80	82	N 1	N 1	10	10	......	58.36	57.15	25.1	32	91	69	N 1	S 2	10	6	......
5..	59.14	56.93	24.4	29.7	91	70	N 1	E 1	10	10	36.8	58.62	56.35	26.4	32.2	92	70	SW 2	SW 2	10	8	11.9
6..	58.23	57.35	24.2	29	93	85	N 1	S 1	10	10	52.3	58.25	56.87	25.1	29	91	78	N 1	W 1	10	10	20.6
7..	57.59	56.30	24	28.2	91	74	N 1	W 1	10	10	29.2	58.32	57.33	25.6	29.8	92	73	SW 2	W 1	10	10	......
8..	57.89	57.03	24	26.6	91	87	SE 2	W 2	10	10	82.6	58.37	56.68	25.2	31	90	72	SW 3	SW 4	10	8	8.9
9..	58.44	57.12	24.4	28.5	91	78	N 1	SW 2	10	10	......	57.97	56.95	25.8	30	90	75	N 1	SW 3	10	10	......
10..	58.07	56.15	24.6	28	92	79	N 1	W 1	10	10	24.1	57.95	57.20	25.4	29.8	88	71	N 1	SW 3	10	10	......
11..	55.68	56.38	23.6	27	95	84	N 1	NW 2	10	10	85.8	58.46	58.22	25.2	26.5	87	85	N 1	NW 1	10	10	6.6
12..	55.42	54.68	24.5	26.5	89	84	W 2	SW 3	10	10	......	59.95	58.35	25.1	30	91	65	N 1	NW 2	10	9	......
13..	56.28	55.52	26	29.4	88	81	SW 4	SW 4	10	10	......	58.67	57.02	26.5	26	90	92	N 1	N 1	10	10	156.4
14..	57.74	56.80	24.6	29	88	82	N 1	SW 2	10	10	17	52.79	52.94	24.4	27	97	83	NW 4	SW 5	10	10	57.4
15..	57.92	56.75	24.4	31.6	88	70	N 1	S 2	10	8	......	57.10	56.20	26	29.5	88	75	SW 4	SW 3	10	10	......
16..	58.42	57.20	24.5	30	89	71	N 1	S 1	10	9	8.9	58.47	57.03	26	31.2	87	71	N 1	S 2	6	5	......
17..	59.71	58.25	23.6	31	91	68	N 1	W 1	10	10	......	59.57	57.42	25.4	32	85	69	N 1	S 1	8	6	......
18..	59.46	58.04	24.6	31.4	88	70	N 1	S 1	10	8	......	58.30	57	25.4	31.4	88	70	N 1	S 2	10	8	......
19..	59.94	58.35	23.8	29.9	88	69	N 1	W 1	8	10	......	58.12	56.10	25.4	32	92	64	N 1	W 2	10	8	17.3
20..	59.34	57.63	24	28.6	91	78	N 1	W 1	10	10	5.8	58.60	57.32	25.2	27.8	92	83	N 1	NW 1	10	10	......
21..	60.07	57.55	25	30.1	92	72	N 1	S 1	10	7	......	58.61	57.83	25.4	30.2	87	77	N 1	W 1	8	10	......
22..	59.42	57.85	24.4	31.4	90	71	N 1	WSW 1	6	8	......	59.47	58.03	24.6	30.1	87	71	N 1	W 1	10	8	......
23..	58.95	57.65	25.2	31.1	90	66	N 1	S 1	10	8	......	59.14	57.80	24.6	30.8	88	68	N 1	S 1	10	7	......
24..	58.86	57.71	24.6	30	88	75	N 1	WSW 1	10	8	......	59.21	58.08	24.7	30.4	86	70	N 1	S 1	10	9	......
25..	58.82	57.65	25.2	29.8	92	70	N 1	S 1	10	9	......	59.10	57.98	25	30.3	88	70	N 1	S 1	7	9	......
26..	58.91	58.18	25	30.7	90	70	N 1	WSW 1	10	8	......	59.70	58.30	25.1	29.6	91	71	N 1	N 1	10	10	......
27..	58.67	57.80	25.2	28.5	90	74	N 1	N 1	10	10	14.2	60.07	57.65	24.8	30.8	87	73	N 1	S 1	10	6	......
28..	58.82	57.40	24.4	29.6	91	71	N 1	S 1	10	8	......	59.02	57.79	24.5	30	86	75	N 1	S 1	10	8	......
29..	58.80	57.65	25	30.6	92	70	N 1	S 1	10	8	......	59.11	57.38	24.8	29	88	82	N 1	N 1	6	10	7.6
30..	58.95	57.65	25.4	30.9	92	70	N 1	S 1	10	8	......	58.70	57.15	24.6	28.8	90	85	N 1	N 1	9	10	......
31..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	58.84	57.33	24	30.8	91	76	N 1	SF 2	10	9	......
Mean	58.53	57.31	24.6	29.6	90.2	74.3	1.2	1.4	9.8	9	......	58.50	57.14	25.1	30	89.5	74	1.3	1.7	9.5	8.7	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	356.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	292.5

Day.	NOVEMBER.											DECEMBER.[a]										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.07	57.78	24.2	31	90	76	N 1	S 1	10	8	4.1	58.79	57.57	23.6	27.4	93	86	N 1	W 1	10	10	18.5
2..	59.57	58.25	24	30.6	93	77	N 1	S 1	10	8	......	58.47	57.92	23.5	26	90	81	N 1	N 1	10	10	15
3..	58.50	57.15	25	30	88	68	N 1	NE 1	10	10	......	57.69	55.53	23	25	95	92	N 1	N 1	10	10	152.4
4..	58.47	57.46	24.8	29.5	97	75	N 1	NE 1	10	10	......	55.67	55.21	25.4	29.4	92	78	SW 3	E 2	10	10	......
5..	58.25	56.55	25.2	31.2	92	64	N 1	NE 1	10	8	......	56.27	55.81	24	29.6	93	78	N 1	S 1	10	9	......
6..	57.77	56.15	25	32	88	63	N 1	NE 1	10	6	......	58.02	56.80	24.8	30.9	95	72	N 1	S 1	10	9	......
7..	58.72	57.30	25.5	31.5	80	57	N 1	NE 1	10	8	......	58.47	57.38	24.2	30.6	91	70	N 1	S 1	9	8	......
8..	57.60	56.75	24.8	30.4	90	69	N 1	W 1	10	8	14.5	59.29	57.72	24	28.9	93	83	N 1	W 1	10	10	......
9..	58.44	56.91	23.8	30.6	93	67	N 1	S 1	10	8	......	58.32	57.82	23.5	26	92	79	N 1	W 1	10	10	69.6
10..	58.07	56.65	25	30.5	93	71	N 1	W 2	10	10	......	59.81	57.60	24.6	30	92	62	N 1	E 2	10	8	......
11..	57.70	55.75	24.6	31.1	90	62	N 1	W 1	10	10	24.4	59.59	58.18	22.5	29	90	64	N 1	E 2	10	10	......
12..	57.57	56.40	24.8	31.1	93	65	N 1	W 1	10	10	......	59.09	58.06	23	28.8	91	67	N 1	W 1	10	10	......
13..	57.90	56.55	24.4	31.4	93	66	N 1	W 1	10	10	16.5	59.08	56.60	23.2	31.6	90	68	N 1	W 1	8	8	......
14..	58.50	57.30	24.8	31	93	62	N 1	W 1	10	8	......	58.04	55.43	22.6	30.8	91	63	N 1	W 1	8	5	......
15..	58.25	55.75	25.1	29.2	92	76	N 1	SW 3	8	10	......	58.24	56.70	22	30.6	88	62	N 1	W 1	10	8	......
16..	57.07	56.20	24.8	29.6	93	77	SW 2	SW 2	10	8	17.5	58.82	58.15	22.8	31	88	63	N 1	S 1	8	8	......
17..	57.02	56.60	25.2	29.2	92	79	SW 2	SW 3	10	10	......	59.52	58.13	23	31.2	91	64	N 1	S 1	10	6	......
18..	58.62	57.30	26.4	30	90	74	SW 2	SW 2	10	10	11.2	59.58	58.58	23.2	31.4	90	63	N 1	NE 1	10	8	......
19..	58.87	57.70	24.8	30.6	93	73	N 1	S 1	10	8	14.7	59.61	59.35	24	27	95	77	N 1	NE 1	10	10	41.7
20..	58.97	57.90	24.6	30.8	92	65	N 1	S 1	10	7	......	60.50	59.55	23.6	27	90	77	N 1	N 1	10	10	......
21..	58.31	56.10	24	31	91	63	N 1	S 1	10	8	......	60.95	59.34	23.8	27.6	88	80	N 1	NE 1	10	10	64.5
22..	58	56.83	24.9	31.4	89	63	N 1	N 1	10	5	21.6	60.70	59.68	22.5	26	92	79	N 1	NE 1	10	10	23.4
23..	59.17	59.15	24.2	26.4	91	81	N 1	SW 2	10	10	7.6	60.90	59	22.4	30.2	89	74	N 1	W 1	10	8	......
24..	59.49	58.12	23.5	28.8	89	73	N 1	W 1	10	10	30.5	59.32	57.80	23.8	29.8	93	74	N 1	W 1	10	10	......
25..	59.37	57.80	23.5	29.6	83	61	N 1	W 1	10	10	......	58.69	57.66	24	30.5	88	72	N 1	S 1	8	10	......
26..	58.87	57.60	23.5	26.4	90	81	N 1	N 1	10	10	51.6	59.73	58.30	23.5	30.5	92	68	N 1	S 1	10	10	......
27..	57.92	57.20	23.5	29	89	65	N 1	E 2	10	8	......	59.59	58.03	23	31.5	91	68	N 1	W 1	10	6	......
28..	59.14	58.17	23.5	30	92	69	N 1	E 2	10	8	......	59.99	58.20	23.6	31.6	93	70	N 1	E 1	10	8	......
29..	59.07	58	24	28.5	88	81	N 1	W 1	10	10	7.4	59.84	58.20	23.6	30	90	74	N 1	W 1	10	8	......
30..	58.86	57.68	24	30	91	69	N 1	W 1	10	10	......	59.52	58.87	24.5	27.2	87	75	N 1	N 1	10	10	72.4
31..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	......	60.90	58.95	23	27.6	93	84	N 1	N 1	10	10	40.9
Mean	58.44	57.17	24.5	30.1	90.6	69.7	1.1	1.3	9.9	8.8	......	59.13	57.81	23.5	29.2	91.2	73.1	1.1	1.1	9.7	8.9	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	221.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	498.4

[a] The rainfall of the 3rd in the "Monthly Bulletin," page 260, should be 152.4 mm. instead of 152.2 mm.

SAN JOSE DE BUENAVISTA

[ϕ=10° 44′ N; λ=121° 55′ E; barometer above sea, 15.36 meters; gravity correction not applied, −1.84 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	60.32	60	20.6	30.1	94	64	NE 1	NW 2	2	6	
2	60.24	59.43	23.1	31	91	63	NE 1	NW 2	9	9	
3	60.69	59.47	22	31.6	96	66	NE 1	W 2	8	6	
4	61.44	60.28	22	29.9	96	65	NE 1	NNW 2	6	9	
5	61.43	61.01	19.5	29.5	95	61	NE 1	WNW 3	4	10	
6	62.27	61.16	22.5	32.5	82	42	N 1	NE 3	10	10	
7	61.25	60.25	21.1	32.3	90	42	Calm	ENE 4	4	7	
8	61.57	59.63	21.5	30.5	91	62	Calm	NW 2	6	5	
9	60.50	59.62	20	29.9	81	59	NE 1	NW 4	5	8	
10	59.98	58.80	20	29.6	91	66	NE 1	WNW 2	5	3	
11	59.20	58.55	21.6	30.6	90	65	NE 1	WNW 2	5	4	
12	59.75	59.40	21.5	31	91	66	NE 1	WSW 2	2	7	
13	59.96	59.71	19.4	30.1	82	56	NE 1	W 2	6	5	
14	61.44	61.42	18.5	29.5	85	55	NE 1	W 2	5	2	
15	62.23	60.93	17.4	30	94	56	NE 1	WNW 2	2	5	
16	61.91	61.13	19.5	28.9	91	65	NE 1	SSW 1	3	10	
17	62.02	61.43	20.5	31.6	88	47	N 1	WNW 2	5	1	
18	62.62	62.01	21	30.5	73	50	NE 1	W 2	4	1	
19	63.10	62.38	17.1	30	84	53	NE 1	W 2	5	1	
20	62.63	60.62	17.5	30.1	85	49	NE 1	N 4	2	5	
21	62.20	61.10	19.5	29.7	90	56	E 1	NW 2	2	10	
22	61.72	60.63	20.6	31	90	50	NE 1	NW 2	3	3	
23	61.22	60.31	19.5	28.6	82	54	NE 1	W 2	5	10	
24	60.71	59.76	21.5	29.9	91	59	NE 1	NW 2	3	10	
25	60.69	59.45	23	30.4	96	66	NE 1	NW 2	10	4	
26	60.79	59.52	22	31.5	91	53	E 1	NW 4	3	3	
27	61.40	59.91	19.1	30.7	75	52	NE 1	NW 3	5	5	
28	61.25	59.05	19.6	31.4	86	48	NNW 1	NW 3	1	2	
29	60.92	60.20	18.1	30.7	85	51	NE 1	NW 3	1	5	
30	61.21	60.26	20	30.8	81	55	NE 1	WNW 2	1	2	
31	60.83	60.01	19.1	29.7	88	61	NE 1	W 2	1	6	
Mean	61.21	60.24	20.3	30.4	87.9	56.7	0.9	2.4	4.3	5.6	
Total											0

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	61.17	60.25	19.8	29.8	88	60	NE 1	W 2	1	1	
2	62.05	61.25	19	30.2	95	50	NE 1	NW 3	2	2	
3	62.48	61	23.5	29.9	75	53	NE 1	NW 3	10	5	
4	62.90	61.60	20.5	32	82	46	NE 1	NW 2	3	1	
5	63.55	61.35	20.5	31	86	49	NE 1	NE 4	10	5	
6	63.23	61.44	20.5	31.3	82	46	SE 1	SE 3	8	6	
7	63.35	61.56	21	29.8	86	58	Calm	WNW 3	3	4	
8	63.03	61.25	19.4	31.1	91	55	NE 1	NW 3	2	1	
9	62.28	60.88	18.5	31.4	90	46	E 1	W 2	5	2	
10	61.48	60.55	19.1	30	89	59	NE 1	NW 2	2	4	
11	62.28	60.78	22.5	30.1	82	54	NE 1	WNW 2	10	10	
12	61.43	59.77	25	30.1	83	64	Calm	NW 3	7	8	
13	60.86	59.90	20.5	30.8	91	58	NE 1	W 2	9	4	
14	60.82	60.18	19.5	31	90	56	NE 1	NW 3	3	3	
15	61.63	60.55	20.5	31.4	91	48	NE 1	WNW 2	4	9	
16	61.63	60.59	23.5	30.6	90	67	NE 1	NW 3	8	9	
17	60.59	59.25	23	30	87	65	NE 1	WNW 2	10	10	
18	59.44	58.80	21.6	30	90	65	NE 1	W 2	4	5	
19	60.41	59.25	20.5	30	92	62	NE 1	SW 2	5	5	
20	61.66	58.83	21.2	30.9	93	62	NE 1	SW 2	5	8	
21	59.90	58.80	21.6	30.8	92	61	NE 1	NW 2	5	8	
22	58.55	57.48	21.7	31.5	94	63	NE 1	NW 2	5	2	
23	58.65	57.83	21.9	30.8	92	70	NE 1	WNW 2	5	4	
24	59.39	58.28	22	32	91	57	NE 1	WNW 2	10	10	
25	59.28	58.08	19	32	86	41	NE 1	SW 2	5	10	
26	59.95	59.06	21.1	31.6	72	54	Calm	NW 3	8	9	
27	59.98	59.50	20	30.5	86	59	NE 1	W 2	8	10	
28	60.39	59.66	22.2	30.5	94	59	NE 1	NW 2	10	5	
29											
30											
31											
Mean	61.16	59.92	21	30.8	87.9	56.7	0.9	2.4	6	5.7	
Total											0

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	59.56	59.66	21.2	29.4	89	66	Calm	SW 2	5	10	
2	59.41	59.58	21.1	30.3	90	63	NE 1	W 2	7	8	
3	60.32	59.90	20.5	31.5	91	50	NE 1	W 2	8	10	
4	61.68	60.20	20.5	30.8	91	55	Calm	W 2	7	10	
5	60.82	60.30	20.6	30.9	85	57	NE 1	SW 2	6	4	
6	61.03	59.61	19	30.5	95	56	NE 1	NW 2	7	9	
7	60.61	59.30	21.5	32	85	52	E 1	NW 2	9	5	
8	60.64	59.20	23.1	30.7	66	52	Calm	NW 3	5	4	
9	59.90	59.38	22	30.1	78	63	E 1	SW 3	5	4	
10	60.60	60.10	21.6	31.1	90	66	NE 1	W 2	10	6	
11	60.76	59.68	20.5	31.7	95	53	NE 1	W 2	2	5	
12	61.20	60.03	21.6	31.5	90	56	NE 1	NW 2	6	9	
13	60.79	60.51	25.5	27.7	84	87	Calm	Calm	10	10	0.3
14	60.38	60.20	20	31.3	91	61	NE 1	WSW 2	3	7	
15	60.83	60.91	23.5	26.3	87	86	Calm	NE 1	10	10	6.1
16	60.43	59.88	23.6	32	95	52	NE 1	SW 2	10	10	
17	60.07	60.40	20.1	31.5	91	54	E 1	NW 2	3	5	
18	60.44	60.68	22.5	31	91	62	NE 1	WNW 2	9	5	
19	61.52	60.98	21.5	32.5	91	55	NE 1	NW 2	9	6	
20	61.40	60.01	24.5	31.1	87	65	Calm	WNW 3	10	5	
21	59.98	59.47	21.6	31	90	65	Calm	W 2	5	10	
22	60.31	59.41	22	30.9	74	60	NE 1	NNW 3	2	1	
23	60.55	59.61	21.5	31.1	87	62	NE 1	WNW 2	5	8	
24	60.16	59.27	22	30.7	78	64	NE 1	WNW 2	7	9	
25	59.50	58.55	23	30.5	79	69	NE 1	WSW 2	9	7	
26	60.13	58.43	21.5	31	82	52	NE 1	SW 2	4	1	
27	58.58	58.47	25.5	30.9	68	60	NE 1	SW 2	5	5	
28	59.39	58.38	22	31.4	87	61	NE 1	W 2	10	9	
29	59.35	58.49	24.1	31	91	62	NE 1	WSW 2	5	7	
30	58.81	57.53	22	30.6	87	66	Calm	WSW 3	9	4	
31	58.23	57.87	24	31	79	65	Calm	WNW 2	10	10	8.4
Mean	60.24	59.55	22.1	30.8	85.9	61.2	0.7	2.1	6.8	6.9	
Total											14.8

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	59.66	58.73	24.5	30.9	92	69	Calm	WNW 2	10	10	0.3
2	59.73	59.91	24.4	26.6	88	88	NE 1	SE 2	9	10	5.4
3	60.07	58.40	22.5	31.6	82	65	NE 1	NW 2	9	3	
4	59.30	58.43	23.4	32	88	63	NE 1	SW 2	8	8	
5	59.85	58.96	23.2	32.2	80	59	NE 1	NW 3	10	4	
6	60.34	59.42	22.1	32.5	95	56	NE 1	NW 3	9	3	
7	60.19	58.36	23.5	32.5	83	58	Calm	WNW 2	3	5	
8	58.36	57.07	20.6	32.3	85	49	NE 1	NW 2	10	5	.5
9	56.99	56.41	26	32	88	58	Calm	NW 2	10	10	.5
10	57.01	56.56	23.1	32.5	86	58	Calm	WNW 3	9	6	
11	58.10	56.77	24.5	31.8	87	59	NE 1	NW 2	9	4	
12	57.68	56.64	26	33.1	80	56	Calm	NW 2	3	3	
13	58.34	56.90	22.1	33.6	86	50	Calm	NNW 3	3	4	
14	58.30	58.30	25.4	27.9	81	93	NE 1	Calm	10	10	17.1
15	59.27	58.51	25.1	31	95	71	Calm	NW 2	10	10	
16	59.49	58.21	23.1	32.2	88	62	NE 1	WNW 2	5	6	
17	58.63	57.64	22.6	32.6	90	52	NE 1	NW 3	2	2	
18	58.46	57.72	24.1	32.8	82	58	NE 1	NW 3	3	2	
19	59.28	59.15	23.9	30.9	88	66	NE 1	W 3	2	10	2.5
20	59.78	59.05	23.6	32.5	95	62	NE 1	NW 3	3	5	
21	60.61	58.85	23	32.5	87	58	Calm	NW 3	10	5	
22	59.66	58.72	22.7	31.4	85	62	NE 1	NW 3	7	7	
23	60.29	58.73	24.7	29.5	79	69	NE 1	Calm	6	10	37.6
24	60.20	59.27	23.5	31	91	69	NE 1	NW 3	4	6	.3
25	60.04	58.39	22.7	32	92	60	NE 1	W 2	3	4	
26	59.69	58.11	24.2	32.2	85	61	NE 1	NW 3	7	10	
27	58.95	57.40	23.5	32.7	83	58	NE 1	SW 3	3	5	
28	58.20	57.16	23.7	30.4	85	68	NE 1	SW 3	4	10	5.6
29	58.24	57.34	24	30.5	91	70	NE 1	SW 2	4	9	3.3
30	58.26	57.59	23.9	32.6	92	66	Calm	NW 3	8	6	
31											
Mean	59.10	58.09	23.7	31.6	87	63.1	0.7	2.4	6.4	6.4	
Total											73.1

SAN JOSE DE BUENAVISTA

[ϕ=10° 44′ N; λ=121° 55′ E; barometer above sea, 15.36 meters; gravity correction not applied, −1.84 mm.]

Day.	MAY.											JUNE.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	58.83	57.42	23.6	32.5	90	56	NE 1	NW 3	1	2	......	59.04	57.42	24.1	31.5	95	72	N 1	NW 2	10	10	......
2..	58.91	57.05	23	32.7	87	50	NE 1	NW 3	8	3	......	57.36	56.04	24.6	33.1	92	66	NE 1	WNW 2	1	8	......
3..	58.56	57.34	24.1	32.4	80	56	E 1	NW 3	9	8	......	57.28	56.10	25	32.5	83	69	NE 1	SSW 3	10	9	......
4..	58.46	57.75	22.8	32.8	89	54	Calm	NW 3	0	5	......	57.25	56.81	24.4	32.5	87	66	NE 1	SW 2	8	8	......
5..	59.02	58.54	24.7	33.5	86	58	NE 1	NW 3	8	8	......	58.39	57.57	25.6	31.2	91	71	NE 1	SW 1	10	10	......
6..	59.24	58.05	24.4	32.1	83	60	Calm	NW 2	7	9	......	59.06	58.29	25.9	26.4	85	83	NE 1	NE 1	10	10	27.9
7..	58.84	57.69	24.5	33	87	61	Calm	NW 2	10	5	......	58.99	57.50	23.9	30	96	79	NE 1	SE 1	7	10	6.3
8..	57.89	57.50	24.1	33	86	59	Calm	WSW 3	3	6	......	58.56	57.26	25	28	92	88	NE 1	Calm	10	10	31.8
9..	58.77	57.70	24.1	32.4	86	62	Calm	NW 3	10	5	......	56.81	55.84	24.5	26	97	95	NE 1	S 3	10	10	150.3
10..	58.51	57.73	24.6	29.9	91	80	NE 1	NE 1	10	10	12.5	56.45	56.64	25.2	26.5	98	93	S 7	S 4	10	10	33.5
11..	57.97	57.03	23.6	31.9	90	69	NE 1	SW 3	5	9	.5	56.59	56.41	26.1	27.5	94	88	SW 4	SSW 5	10	10	20.1
12..	58.14	57.27	26.6	30.6	87	65	SW 2	SW 2	10	8	......	56.88	57.36	25.9	27.2	89	87	S 4	SSW 4	10	10	22.4
13..	57.72	56.97	25	31.4	88	70	NE 1	WSW 3	10	9	......	58.15	58.03	26.5	29.5	84	78	SW 2	S 4	10	10	.3
14..	58	56.87	25	32	92	66	NE 2	SW 4	10	10	.3	58.49	58	23.7	30.5	90	66	NE 1	S 3	7	8	3.6
15..	57.56	57.10	24.6	33.1	90	60	NE 2	W 2	10	10	......	59.23	58.01	24.1	30.6	95	71	NE 1	S 1	5	5	1.3
16..	57.38	56.37	24.5	31.5	83	69	NE 2	W 2	10	10	.3	59.04	58.68	24.5	30.9	92	72	NE 1	S 2	8	5	1.6
17..	57.55	56.11	25.1	32.8	91	64	NE 1	SW 2	10	9	......	59.36	58.30	24.9	30.5	92	72	NE 1	SW 2	5	10	......
18..	57.57	56.25	25.4	30	85	75	NE 1	SW 2	9	10	......	58.48	57.90	24.5	29.6	87	74	NE 1	SW 2	10	10	.8
19..	58.27	56.66	25	31.5	88	69	NE 1	SW 4	10	10	5.8	57.69	57.17	24	27.7	91	87	NE 1	Calm	10	10	72.1
20..	59.40	57.25	25.9	30.6	88	74	NW 1	SW 3	10	10	.8	58.52	57.81	22.7	30.5	98	65	NE 1	WSW 1	10	10	.3
21..	59.40	57.91	25.5	31.9	91	64	NE 1	NW 2	10	10	......	59.10	58.36	23.6	30.2	91	76	NE 1	S 2	2	3	......
22..	58.34	57.28	26	32.6	92	66	NE 1	SW 3	10	8	......	59.83	59.01	24.3	30.5	93	66	NE 1	NW 1	10	10	1
23..	58.55	57.42	26	26.5	81	84	NE 1	NE 2	10	10	.3	58.90	58.75	23.5	30.5	90	72	NE 1	W 2	9	10	1.8
24..	58.53	57.81	24.6	29.1	86	81	NE 1	SW 3	10	10	......	59.50	58.54	23.6	27.6	86	75	NE 1	NW 1	6	10	27.2
25..	59.36	58.11	25.1	31.5	91	69	NE 1	SW 2	10	10	3.3	58.30	57.42	23.5	27	96	79	NE 1	NE 1	10	10	60
26..	58.51	57.05	25.1	32.5	88	66	NE 1	SSW 2	10	10	......	57.65	57.89	23.2	24.5	98	92	SW 4	Calm	10	10	39.4
27..	57.55	56.36	25.2	31.6	94	68	NE 1	S 4	6	10	30.5	57.80	57.31	24	30	91	75	NE 1	SW 4	10	4	1
28..	57.10	55.97	24.8	31	93	69	NE 1	S 4	10	10	.5	59.04	58	23.5	30.9	96	72	NE 1	WNW 1	5	5	......
29..	56.84	55.95	24.7	30	94	75	NE 1	SSW 4	10	10	......	59.55	58.35	23.6	30.6	86	71	NE 1	NW 3	10	7	......
30..	57.39	56.68	26.9	30.5	90	74	S 4	SSW 4	10	10	1.8	57.83	56.48	24	29.6	92	75	NE 1	NW 2	8	9	32.5
31..	58.65	58.12	25	29.5	96	75	Calm	SW 3	10	10	6.9	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.28	57.20	24.8	31.5	88.5	66.7	1	2.8	8.8	8.5	......	58.30	57.58	24.4	29.5	91.6	76.5	1.5	2	8.4	8.7	......
Total	.....	.....	....	....	....	....	....	....	....	....	63.5	.....	.....	....	....	....	....	....	....	....	....	535.2

Day.	JULY.											AUGUST.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	55.71	55.77	22.7	25.5	98	94	NE 1	NNE 2	10	10	86.4	56.60	56.18	27.6	29.8	83	75	SW 3	SW 4	5	6	15.2
2..	57.47	58.04	23.7	24.7	94	96	NW 4	SW 5	10	10	77.7	57.04	56.63	24	29.2	97	76	NE 1	SW 3	10	10	1.3
3..	59.06	59.28	25.7	29.7	88	76	SE 3	S 3	8	8	4.8	57.60	56.03	26.5	28.5	83	85	SW 3	SW 1	10	10	111.3
4..	60.26	59.40	23	30.7	92	70	NE 1	NW 2	7	5	2	57.06	56.15	23.7	25.6	97	87	SE 1	NE 1	10	10	48
5..	59.90	58.74	23.1	24.9	95	92	NE 1	NE 2	8	9	14.8	57.32	56.92	24.7	27.6	94	89	SW 3	SW 4	10	10	8.7
6..	59.01	58.42	21.8	30.5	90	68	NE 1	NW 3	7	6	5.6	56.89	56.87	26.9	25.9	93	89	SW 4	SW 5	10	10	9.7
7..	60.17	60.14	24.4	29.6	95	78	E 1	NW 1	8	8	.3	56.20	54.86	25.8	29.4	98	82	SW 5	SW 5	9	8	6.4
8..	60.09	59.82	23.2	28.6	91	80	NNE 1	NW 1	6	8	.3	55.38	54.82	26	30.1	92	79	SW 4	SW 5	9	8	15.7
9..	59.45	58.20	23.1	30.8	91	75	NE 1	NW 2	5	6	16	55.67	55.47	27.8	29.8	88	82	SW 4	SW 5	8	9	4.1
10..	58.92	57.83	23.2	31.4	93	73	NE 1	NW 1	8	6	......	56.35	55.83	28	28.9	85	83	SW 4	SW 5	10	8	32.8
11..	58.91	58.62	24.3	28.1	92	82	NE 1	SW 3	8	8	1.3	56.37	55.23	27.7	29	87	83	SW 4	SW 4	10	10	.3
12..	59.87	58.80	23.6	30.3	92	73	NE 1	NW 1	6	7	12.7	56.15	55.41	28	29.5	83	82	SW 3	SW 5	9	8	26
13..	59.22	58.90	23.5	28.3	93	84	NE 1	N 1	8	9	1.1	57.03	56.54	26.7	28.8	88	82	SW 5	SW 3	10	10	22.9
14..	59.20	58.54	23.3	26.5	91	90	NE 2	NE 1	8	8	3.9	59.15	58.35	24.6	27.2	92	84	W 5	SW 3	10	10	24.9
15..	58.57	57.62	23.7	29.9	96	75	Calm	SW 3	9	4	.3	58.48	58	25.9	29.1	93	81	SW 2	SW 3	9	8	.3
16..	58.46	57.28	23.6	28.5	92	80	NE 1	SW 2	5	8	......	59.35	58.86	26.8	30.5	90	78	SE 1	SW 3	7	6	1
17..	58.79	58.32	23.6	27.7	93	82	NE 2	NW 1	8	8	46.5	59.56	58.62	24.7	30.5	96	75	Calm	NW 1	5	6	1
18..	57.91	57.48	23	28.2	91	80	NE 1	SW 1	6	8	......	59.48	57.87	24.2	30.3	97	76	NE 1	NW 1	7	7	16.5
19..	57.37	56.43	24	27.7	87	79	NE 2	E 2	8	9	2	58.55	57.33	23	28.5	95	82	NE 1	NW 2	10	9	136.6
20..	56.34	55.89	22.5	28.5	92	79	NE 1	NW 1	7	9	1.8	57.04	56.65	25.7	28.4	91	84	SW 2	SW 3	10	8	20.1
21..	56.02	55.84	23.5	28.9	95	78	NE 1	SSW 2	10	9	16.5	58.90	57.77	27	29.9	87	80	SW 2	SW 4	7	5	......
22..	56.46	55.81	24	29	96	78	NE 2	SW 4	8	8	27.9	59.15	58.21	23.6	30.5	95	75	NE 1	SW 1	3	6	......
23..	57.12	56.49	24	26	97	92	NE 2	SE 2	10	10	41.4	58.71	57.66	22.8	30.2	95	71	NE 1	WNW 1	8	7	......
24..	56.44	56.82	23.8	26.6	94	88	NE 1	SW 5	8	9	14.3	57.65	56.76	26.7	29.5	86	78	SW 1	SW 1	6	8	3.8
25..	57.49	56.82	23.9	30	96	79	ESE 1	SSW 3	9	7	43.7	57.69	56.58	27.7	29	83	81	SW 2	SW 4	8	8	5.1
26..	57.40	56.51	23.5	26.5	99	86	NE 3	SW 3	10	8	87.8	57.99	58.70	23.2	30.3	97	78	NE 1	SSE 2	10	8	3
27..	55.11	54.76	26.4	29	89	81	SW 3	SW 4	10	8	13	60.05	58.31	23.1	29.5	91	72	NE 1	SW 1	9	7	3.8
28..	55.80	56.36	24.5	27.3	96	81	SW 3	SW 4	10	10	31.5	58.57	57.20	22.8	30	93	72	NE 1	NW 1	8	7	20.8
29..	55.70	55.06	26.7	30.2	90	77	SW 3	SW 3	10	8	1.3	57.25	56.51	22.8	26.5	97	93	NE 1	SW 4	9	9	77.2
30..	55.42	54.62	27.7	30.6	83	74	SW 3	SW 3	7	5	......	57.62	57.86	23.1	24.8	98	85	NE 1	NE 1	8	10	47.5
31..	55.95	55.42	27.7	30.3	84	76	SW 3	SW 4	7	7	......	58.43	56.35	22.2	29.6	97	78	NE 1	SW 3	10	7	48.5
Mean	57.86	57.36	24	28.5	92.4	80.5	1.7	2.4	8	7.8	......	57.72	56.92	25.3	28.9	91.6	80.5	2.2	2.9	8.5	8.2	......
Total	.....	.....	....	....	....	....	....	....	....	....	554.9	.....	.....	....	....	....	....	....	....	....	....	712.5

SAN JOSE DE BUENAVISTA

[ϕ=10° 44′ N; λ=121° 55′ E; barometer above sea, 15.36 meters; gravity correction not applied, —1.84 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	57.52	57.25	22.7	25.7	98	85	SE 1	SW 2	8	9	7.6
2..	58.65	58.34	23	29	97	78	NE 1	SW 2	8	7	6.6
3..	59.61	58.87	22.7	29.6	94	75	NE 1	SW 2	8	7	......
4..	59.81	58.55	22.5	30.1	92	76	NE 1	NW 1	3	6	......
5..	59.38	57.57	24.1	29.6	96	80	Calm	NW 2	7	8	92.5
6..	58.56	57.12	23.4	27.2	97	90	NE 1	NW 3	6	9	11.4
7..	57.82	57.09	24	26.7	96	88	NE 1	NW 1	9	10	15
8..	57.86	56.83	22.9	27.6	97	78	NE 1	SW 1	10	8	102.4
9..	58.61	57.46	22.8	25.5	97	88	NE 1	SW 1	10	9	1.3
10..	58.21	56.61	23.2	27.5	94	81	NE 1	SW 1	8	8	17.3
11..	56.74	55.31	22.6	27.7	97	83	NE 1	SW 1	10	9	86.4
12..	56.33	55.72	22.7	24.6	98	92	SE 1	S 2	10	10	67.8
13..	56.84	55.66	23	28	97	82	N 1	SW 2	10	9	4
14..	57.81	56.75	25.5	27.8	91	81	SW 1	SW 2	7	8	18.8
15..	58.01	57.24	23.6	29.1	98	77	NE 1	SW 2	9	8	10.2
16..	58.70	57.64	24	27.5	95	82	NE 1	SW 1	8	8	.6
17..	59.56	59.26	23.6	25.8	95	87	NE 1	SW 2	7	9	2.8
18..	60.47	59.29	22.7	27	96	83	NE 1	NW 1	8	8	1.5
19..	59.72	58.33	21.6	29.3	93	73	NE 1	NW 1	2	7	.3
20..	59.05	57.82	23.1	29.5	90	73	NE 1	NW 1	4	8	15
21..	59	57.41	23.7	28.8	94	79	Calm	NW 1	9	7	.3
22..	59.04	57.80	23.5	28.5	94	81	NE 1	NW 1	6	8	......
23..	58.17	57.33	23.4	30.9	97	66	Calm	NW 1	7	2	......
24..	58.20	57.62	22.4	30.6	92	68	NE 1	WNW 1	7	3	......
25..	58.48	57.71	24.2	31	94	69	Calm	W 1	7	6	.8
26..	58.68	57.75	23.5	31.2	96	70	Calm	NW 1	8	6	......
27..	58.86	57.70	22.6	31	90	62	NE 1	NW 1	10	3	......
28..	58.95	57.68	23.1	25.7	90	88	NE 1	NE 1	8	8	1.3
29..	59.05	57.30	22.7	29.2	93	76	NE 1	NW 1	4	8	1.3
30..	59.22	57.16	22.4	30.3	93	70	NE 1	NW 1	4	5	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.56	57.47	23.2	28.4	94.7	78.7	0.8	1.4	7.4	7.4	......
Total	.....	.....	....	....	....	....	....	....	....	....	465.2

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	58.46	57.50	23	30.2	88	72	NE 1	SW 1	6	8	......
2..	58.01	56.47	24	30.4	91	70	NE 1	NW 2	7	7	0.8
3..	58.34	57.15	23.5	30.6	94	67	NE 1	SW 1	4	7	......
4..	58.92	57.30	23.2	30.4	90	70	NE 1	NW 1	8	8	2.8
5..	58.44	56.73	22.8	30.6	93	72	NE 1	SW 1	8	6	53.1
6..	58.41	57.70	23.2	26.7	97	86	NE 1	W 2	9	9	.3
7..	59.14	57.52	23.2	27.9	94	82	NE 1	NW 1	10	8	31.7
8..	58.01	56.59	23.2	28.4	98	77	NE 1	SW 3	8	8	75.4
9..	57.41	56.50	23.7	26.7	97	83	NE 1	SW 4	10	10	77.4
10..	58.51	57.14	24.4	28	93	82	SW 3	SW 4	10	9	34.8
11..	58.97	57.70	22.9	30.9	92	69	NE 3	SE 3	10	8	15.5
12..	60.74	58.48	24.2	31.4	96	64	NE 2	NW 1	9	8	......
13..	59.61	58.16	22.7	30.4	94	76	NE 1	NW 3	8	7	6.9
14..	57.58	53.56	24.3	25.3	97	89	NE 1	NW 6	10	10	260.2
15..	53.62	54.66	24.9	27	93	85	S 6	SW 5	10	10	50.6
16..	57.87	56.92	24.7	27	94	89	S 3	SW 4	9	8	4.1
17..	59.07	57.63	22.6	30.3	95	76	NE 1	SW 2	4	3	......
18..	58.51	57.01	23.2	30	95	74	NE 1	SW 3	6	5	......
19..	58.55	56.80	23	30	91	74	NE 1	NW 1	3	2	42.7
20..	59.06	57.64	23.9	27.4	97	83	NE 1	NW 1	10	8	2.5
21..	58.96	58	23.7	31.1	96	64	NE 1	NW 1	8	5	......
22..	59.80	57.75	22.6	30.6	89	65	NE 1	NW 1	2	3	......
23..	59.46	58.36	22.7	30.4	94	74	NE 1	SW 1	2	5	......
24..	59.21	58.32	23.2	26.7	94	88	Calm	NW 1	1	8	1
25..	59.72	58.12	23.6	29.6	94	70	NE 1	SW 2	8	7	......
26..	60.01	58.36	22.8	30.5	95	68	Calm	NW 1	3	7	......
27..	60.17	58.98	23.1	29.4	90	74	NE 1	NE 1	6	7	......
28..	59.32	57.72	22.6	30.2	91	73	NE 1	NW 2	7	5	6.1
29..	58.27	57.02	22.8	29.4	96	72	Calm	NW 1	3	8	......
30..	58.56	56.97	23.9	28.2	94	83	NE 1	NW 1	8	9	27.2
31..	58.40	57.10	23	30.4	96	70	NE 1	NW 3	7	8	1.3
Mean	58.68	57.29	23.4	29.2	93.8	75.5	1.3	2.1	6.9	7.1	......
Total	.....	.....	....	....	....	....	....	....	....	....	694.4

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.17	58.04	23.3	28.2	94	83	NE 1	NW 1	7	8	2.5
2..	58.90	57.53	23.8	30	95	72	NE 1	NW 2	7	4	......
3..	58.44	56.97	22.9	30.1	92	71	NE 1	NW 1	7	8	......
4..	58.21	56.74	23.5	31	96	73	Calm	NW 1	8	7	......
5..	57.65	56.17	23.9	31.6	96	69	Calm	NW 1	4	5	......
6..	57.63	56.37	23.4	30.6	92	71	NE 1	NW 2	6	8	......
7..	58.74	56.83	23.8	29.9	89	71	NE 1	WNW 2	10	7	......
8..	58.63	56.91	23.6	29.6	94	70	Calm	WNW 1	9	7	24.4
9..	58.62	57.03	23.5	27.9	96	74	NE 1	W 1	8	9	15.2
10..	58.26	56.97	23	29.6	91	71	NE 1	WNW 1	8	7	......
11..	57.91	56.34	22.9	28.6	92	78	NE 1	NW 1	6	7	......
12..	57.95	56.62	23.7	30	94	71	NE 1	NW 1	8	6	......
13..	57.86	57.19	23	30.4	93	75	NE 1	NW 4	8	8	......
14..	58.86	57.71	23.3	29.2	94	76	NE 1	NNW 2	9	6	......
15..	58.64	56.83	23.6	27.4	92	82	NE 2	N 4	9	8	1.3
16 .	58.05	56.70	24.4	29	95	75	N 1	NW 3	9	7	3.9
17..	57.75	56.82	24.6	27	97	82	NW 1	NW 2	10	10	13.7
18..	57.83	57.18	25.8	26.1	91	93	SW 2	NNE 2	8	10	13.5
19..	58.31	56.87	23.1	29.7	99	79	NE 1	SW 3	8	4	......
20..	58.81	57.07	22.5	30.1	96	68	NE 1	SW 2	3	4	......
21..	58.11	56.58	23.2	30	94	71	NE 1	NW 3	9	3	......
22..	58.59	57.47	23	28	92	79	NE 1	NW 3	6	9	......
23..	59.90	58.43	23.1	28.9	90	75	NE 1	SW 1	10	5	8.2
24..	59.49	58.03	23	29	97	75	NE 1	W 1	7	6	......
25..	59.16	57.59	21	27.6	96	70	Calm	NW 1	7	7	......
26..	58.68	57.46	20.6	28.9	94	71	NE 1	NW 1	8	9	......
27..	57.89	56.71	23.4	25.1	92	92	NE 1	NE 1	10	9	9.4
28..	58.73	58.50	21.7	28.4	97	77	NE 1	NW 2	6	7	......
29..	59.36	57.67	22.6	30.5	96	72	NE 1	NW 1	4	5	.3
30..	58.60	57.26	22.7	30.4	96	70	NE 1	NW 2	7	6	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.49	57.15	23.2	29.1	94.1	75.2	0.9	1.8	7.5	6.9	......
Total	.....	.....	....	....	....	....	....	....	....	....	92.4

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	58.69	57.46	21.9	29	94	77	SE 1	SW 1	10	7	......
2..	58.79	57.68	22.1	30	96	65	NE 1	NW 2	3	7	0.5
3..	58.17	56.54	22.2	27.5	97	81	NE 1	Calm	5	8	7.2
4..	54.87	52.58	23.5	26.7	97	86	NE 1	NE 2	10	9	48.6
5..	56.01	55.88	24.5	27.1	87	83	SE 2	S 4	8	10	4.1
6..	57.79	57.06	26.5	26.8	85	86	SW 4	SE 3	8	8	2
7..	58.62	57.77	23	29.3	91	72	NE 1	SW 2	2	4	......
8..	59.01	57.72	23.2	27.7	90	81	NE 1	NW 2	8	8	.3
9..	58.37	57.52	22.3	28.2	94	83	NE 1	NW 1	4	8	......
10..	58.57	57.41	22.5	30.4	96	54	Calm	NE 1	9	7	......
11..	59.25	57.80	21.5	29.1	95	69	Calm	NW 3	2	7	.....
12..	58.82	57.85	20.9	29.4	92	64	NE 1	W 1	3	4	......
13..	58.34	56.72	22.9	28.6	89	75	NE 1	NW 1	4	5	......
14..	58.03	56.19	21.5	29	88	77	NE 1	NW 2	3	4	......
15..	58.13	57.48	20.2	29.6	89	67	NE 2	NW 1	1	3	......
16 .	58.86	58.07	20.2	29	85	67	NE 1	NW 1	8	6	......
17..	59.45	58.55	21	29.2	88	73	NE 1	NW 1	4	5	......
18..	59.69	58.71	22.5	30.1	92	73	NE 1	SW 2	9	7	......
19..	60.44	59.53	22	27.3	96	84	NE 1	NW 1	6	8	10.5
20..	60.72	59.96	22.5	27.6	96	84	SE 1	SW 1	7	9	......
21..	60.85	59.18	21	30.5	93	65	NE 1	NW 2	6	5	......
22..	60.18	58.91	24.3	29.9	78	69	Calm	NW 1	8	9	.3
23..	59.77	58.88	21.9	29.1	94	70	Calm	W 2	8	7	......
24..	59.56	57.77	22.1	29.3	90	70	NE 1	W 1	6	5	......
25..	58.70	58.08	22.4	28.7	95	77	NE 1	NW 2	3	8	......
26..	59.30	58.26	21.8	29	96	74	NE 1	NW 1	4	9	2
27..	59.66	58.63	22.5	29.6	96	75	NE 1	NW 1	7	8	......
28..	59.46	58.43	22.2	29.6	97	77	NE 1	NW 1	3	7	.3
29..	59.47	57.77	22.5	31.7	92	55	NE 1	NE 2	4	5	......
30..	59.31	58.21	24.5	30.5	92	56	NE 1	NE 1	8	9	......
31..	60.03	58.39	25.7	29.6	65	64	NE 4	NE 3	10	8	......
Mean	58.93	57.77	22.5	29	91.1	72.7	1.1	1.6	5.8	6.9	......
Total	.....	.....	....	....	....	....	....	....	....	....	75.8

CUYO

[ϕ=10° 51′ N; λ=121° 01′ E; barometer above sea, 3.3 meters; gravity correction not applied, —1.83 mm.]

Day.	JANUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	60.32	59.83	25	28.9	87	77	E 2	N 2	10	8	......
2..	60.34	59.57	26.3	28.7	86	75	N 2	N 2	10	4	......
3..	60.89	59.44	25.9	28.3	89	76	NE 2	NNE 2	8	6	......
4..	61.40	60.05	25.8	28.3	88	75	NE 2	NE 3	10	2	......
5..	61.55	60.93	25.4	28.6	85	68	E 2	NE 2	10	3	......
6..	62.66	61.45	26.1	28.4	78	72	NE 3	NE 2	10	10	......
7..	61.64	60.44	25.7	28.1	84	72	NNE 3	NE 2	10	10	......
8..	61.70	59.74	25.9	28.3	81	75	NE 2	NE 2	10	3	......
9..	60.60	59.58	25.5	28.5	84	71	NNE 2	N 2	10	2	......
10..	60.16	58.71	25.2	28.2	88	71	N 2	NE 2	10	4	......
11..	59.15	58.46	25.6	29	88	70	E 2	NE 2	10	5	......
12..	59.80	59.16	25.5	29.4	89	75	NE 2	N 2	10	10	......
13..	59.94	59.48	25.5	29.1	84	67	N 2	N 2	8	8	......
14..	61.44	61.25	24.9	28.9	85	62	NE 2	NE 2	10	4	......
15..	61.98	60.94	21.1	28.9	99	64	E 1	NE 2	10	4	......
16..	61.79	60.64	24.9	28.7	87	69	E 2	NE 2	10	5	......
17..	62.01	61.60	26.6	27.9	66	69	NE 2	NNE 3	10	6	......
18..	62.91	62	25.4	28.9	74	60	NE 2	NE 3	10	1	......
19..	63.20	62.26	24.8	28.4	78	60	NE 2	NE 2	10	1	......
20..	62.70	60.75	24.7	28.7	81	62	NE 2	NE 3	8	3	......
21..	62.46	60.94	25.5	27.9	73	70	NE 4	NE 3	10	8	......
22..	61.89	60.89	25.4	27.8	77	67	NE 3	NE 2	10	4	......
23..	61.72	60.30	24.6	27.9	79	68	NNE 2	NE 2	8	5	......
24..	60.90	59.85	25.6	28	87	74	NE 2	NE 2	10	4	......
25..	61.11	59.28	25.5	28	92	81	NE 2	NE 2	10	4	......
26..	60.90	60.20	25.9	28	81	70	NE 2	N 2	10	4	......
27..	61.42	60.21	24.4	27.4	73	71	NE 2	NE 3	10	3	......
28..	61.26	59.20	25.1	28.4	88	70	NE 2	NE 2	10	1	......
29..	61.01	60.34	21.9	28.6	90	65	NNE 1	NE 2	8	2	......
30..	61.19	60.04	24.3	28.3	86	72	NE 2	N 2	8	1	......
31..	60.64	59.93	24.7	28.4	87	74	NE 2	NE 2	10	2	......
Mean	61.31	60.24	25.1	28.4	83.7	70.1	2.1	2.2	9.6	4.4	......
Total	.....	.....	....	....	....	....	....	....	....	....	0

Day.	FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.29	60.19	24.8	28.9	92	68	NE 2	N 2	10	2	......
2..	62.15	61.18	25.3	28.9	90	63	E 2	N 2	5	3	......
3..	62.67	60.95	25.2	27.8	79	75	NE 2	NE 2	10	2	......
4..	63.29	62.06	25	27.9	80	63	NE 2	N 3	8	4	......
5..	63.64	61.49	25.4	28.4	74	59	NE 4	NE 4	10	1	......
6..	63.44	61.65	24.9	27.9	81	75	NE 2	NE 3	10	2	......
7..	63.40	61.59	24.7	28.4	89	72	NE 2	NNE 2	10	4	......
8..	63.07	61.14	25.3	28.1	86	76	NE 2	N 2	10	4	......
9..	62.44	61.15	24.8	27.9	85	70	NE 2	N 4	10	2	......
10..	61.59	60.45	25.2	28.4	84	70	NE 3	N 2	10	3	......
11..	62.59	60.90	25	27.4	88	76	NE 3	NE 2	10	10	......
12..	61.44	59.87	25.8	29.9	83	73	NE 2	NE 3	10	8	......
13..	60.99	59.87	25.1	28.7	91	73	E 1	NE 2	10	2	......
14..	60.84	60.33	25.4	30.1	89	63	NE 2	N 2	10	3	......
15..	61.54	60.95	25.4	28.3	88	77	NE 2	NE 2	10	7	......
16..	61.97	60.70	25.9	28.4	93	78	NNE 2	N 2	10	3	......
17..	60.53	59.24	25.6	29.3	93	72	N 2	N 2	10	2	......
18..	59.54	58.74	25.8	29.4	89	74	N 2	N 2	10	10	......
19..	60.38	59.25	25.8	29.4	85	70	N 2	NE 2	10	2	......
20..	60.75	58.70	25.9	29.4	89	74	NE 2	N 2	10	10	......
21..	59.73	58.75	24.2	29.9	95	73	NE 1	NW 2	8	2	......
22..	58.48	57.49	25.9	29.5	89	72	NE 2	NE 2	8	5	......
23..	58.46	57.89	26.1	29.5	91	69	NE 2	NE 2	10	5	......
24..	59.40	58.54	25.9	29.4	85	73	NE 2	N 2	10	10	......
25..	59.31	58.36	25.9	29.3	79	64	N 2	N 3	10	10	......
26..	59.77	59.66	25.1	27.3	75	76	NNE 3	NE 3	10	10	......
27..	59.94	59.63	25.4	29	82	69	NE 3	N 3	10	8	......
28..	60.64	59.75	25.3	29.1	86	67	NE 2	N 2	10	4	......
29..	.....	.....	....	....	....	....	....	....	....	....	......
30..	.....	.....	....	....	....	....	....	....	....	....	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	61.19	60.02	25.4	28.8	86.1	70.9	2.1	2.4	9.6	4.9	......
Total	.....	.....	....	....	....	....	....	....	....	....	0

Day.	MARCH.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.69	59.40	26	28.3	76	68	NNE 2	N 2	8	10	......
2..	59.33	59.50	25.4	27.9	84	75	NE 2	NE 2	10	9	......
3..	60.40	59.84	25.6	29.6	82	58	NE 2	NNE 2	10	8	......
4..	60.92	60.28	25.4	28.9	79	65	NE 2	NE 2	8	5	......
5..	60.72	60.38	25.4	29.3	77	60	NE 2	N 2	8	2	......
6..	60.95	59.63	25.4	29.8	79	55	NE 2	NE 2	10	5	......
7..	60.69	59.63	25.7	29.2	83	66	NE 2	NE 2	9	3	......
8..	60.29	59.33	25.3	28.7	74	65	NE 2	N 2	8	5	......
9..	59.79	59.32	25.8	29.6	84	69	NE 2	NE 2	8	3	......
10..	60.69	59.72	24.8	29.8	94	67	N 1	N 2	10	10	......
11..	60.40	59.67	25.5	29	77	65	NE 2	NE 2	10	10	......
12..	61.19	60.27	25.4	28.9	87	71	NE 1	N 2	10	8	......
13..	60.68	60.48	26.6	29.6	83	69	NE 2	NE 2	10	8	......
14..	60.39	60.20	25.8	30.6	78	62	NE 2	NE 2	8	8	......
15..	60.83	60.52	26.4	29.4	80	69	NE 2	NE 2	10	10	......
16..	60.41	59.77	26.4	28.4	82	68	NE 2	NE 2	10	8	......
17..	60.24	60.37	25.4	29.3	84	73	NE 2	N 2	10	5	......
18..	60.38	60.75	25.7	29.5	83	69	NE 2	N 2	10	4	......
19..	61.56	61.19	25.9	29.4	97	76	NE 2	NE 2	8	3	......
20..	61.21	60.14	26.3	30.2	88	71	NE 2	N 2	10	10	......
21..	59.89	59.69	25.2	30.4	91	65	N 1	NW 2	10	6	......
22..	60.21	59.21	24.8	32.9	92	57	NE 2	NE 2	10	8	......
23..	60.36	59.42	22.4	30.5	94	63	E 1	W 2	8	10	......
24..	60.10	59.03	25.9	29.3	85	69	N 1	NE 2	10	5	......
25..	60.20	58.35	26.6	29.9	76	63	E 2	NE 2	10	8	......
26..	60.18	58.52	26.6	29.7	80	60	NE 2	NE 4	10	2	......
27..	59	58.47	26.6	29.9	79	71	NE 2	N 2	10	8	......
28..	59.32	58.17	26.4	29.4	82	72	NE 2	N 2	10	2	1
29..	59.29	58.28	26.4	30	90	65	NE 1	NE 3	10	8	......
30..	58.31	57.67	26.5	30	76	69	NE 2	NNE 2	10	5	......
31..	58.07	57.69	26.3	31.9	86	66	NE 1	NW 1	10	8	......
Mean	60.18	5[illegible].51	25.7	29.7	83.3	66.5	1.8	2.1	9.5	6.6	......
Total	.....	.....	....	....	....	....	....	....	....	....	1

Day.	APRIL.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.17	58.42	25.4	30.6	91	65	ESE 1	E 2	10	10	......
2..	59.61	59.47	25.1	29.6	92	75	E 1	NW 2	10	10	......
3..	59.86	58.27	26.8	30.2	86	67	NW 2	N 2	8	10	......
4..	58.84	58.32	24.9	30.4	93	68	N 1	SW 3	10	8	......
5..	59.68	58.99	24.4	30.9	91	64	NE 1	S 2	10	10	......
6..	60.15	59.29	24.1	31.2	86	63	NE 1	SW 2	10	8	......
7..	59.96	58.26	25.9	31.8	85	60	NE 1	NNW 2	10	4	......
8..	58.41	57.22	26.1	30.6	73	65	E 1	N 2	10	8	......
9..	57.21	56.43	27.4	29.9	85	75	NNE 2	N 2	10	10	......
10..	57.06	56.56	26.3	32.9	89	54	N 1	SW 2	10	8	......
11..	58.11	56.88	25.8	31.7	86	65	NE 1	N 1	10	10	......
12..	57.73	56.69	27.2	33.6	89	47	ESE 1	ESE 1	10	10	......
13..	58.16	56.97	25.4	32.6	89	56	NE 1	SSW 2	10	8	......
14..	58.10	57.78	27.7	33.1	84	60	NNE 2	S 2	10	10	......
15..	59.15	58.49	26.6	33.6	87	62	NE 1	N 2	10	10	......
16..	59.12	58.16	26.2	32.2	92	57	NNE 1	NW 2	10	4	......
17..	58.74	57.73	26.9	30.5	84	65	NE 2	NNE 2	10	4	......
18..	58.46	57.72	26.9	33.6	90	61	NE 2	NW 2	10	5	......
19..	59.20	59.18	25.9	31.8	92	65	ENE 1	NNW 2	10	9	......
20..	60.03	59.11	27.5	31.8	87	66	NE 2	NW 2	10	10	......
21..	60.53	58.89	27.2	31.4	85	61	NE 2	NE 2	10	10	......
22..	59.35	58.71	27.2	31.6	81	65	NE 2	NE 2	10	10	......
23..	60.18	58.79	28.2	31.9	85	65	NE 2	NNE 2	10	10	......
24..	60.08	59.23	26.2	32.7	89	61	NE 1	NNW 2	10	10	......
25..	59.96	58.71	26.4	32.9	87	58	NE 1	NNE 2	10	10	......
26..	59.24	58.28	28.1	32.2	79	65	ENE 2	N 2	10	10	......
27..	58.46	57.16	27.4	31.8	80	64	NE 1	SSW 2	10	10	......
28..	57.82	57.17	25.5	32.3	88	60	NNE 1	NE 1	10	8	......
29..	58.11	57.15	27.9	32.1	84	66	NE 1	NNE 2	10	7	......
30..	58.31	57.67	27.4	32.2	87	63	NW 1	SW 2	10	10	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.96	58.06	26.5	31.8	86.5	62.9	1.3	1.9	9.9	8.7	......
Total	.....	.....	....	....	....	....	....	....	....	....	0

CUYO

[φ=10° 51′ N; λ=121° 01′ E; barometer above sea, 3.3 meters; gravity correction not applied, −1.83 mm.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	58.54	57.46	25.6	33	93	57	NE 1	NNW 2	10	7	......
2..	58.56	57.08	27.5	33.2	76	49	NE 1	NE 2	10	10	......
3..	58.41	57.53	28	31.8	77	55	NE 2	NNE 2	10	10	......
4..	58.35	57.86	27.3	32.3	84	62	NE 1	N 2	10	4	......
5..	59.03	58.57	28	32.8	82	61	NE 2	NE 2	10	5	......
6..	59.35	57.98	27.6	32.5	86	65	NE 1	NE 2	10	5	......
7..	58.61	57.68	27.8	32.7	87	64	NE 1	NE 2	10	7	0.8
8..	57.76	57.58	27.4	32.5	88	64	NNE 1	NNW 2	10	8	......
9..	58.64	57.80	26.1	33.1	92	60	NNW 1	W 2	10	10	......
10..	58.32	57.48	26.2	31.5	91	66	E 1	W 2	10	8	4.1
11..	57.70	56.66	27.4	30.1	82	75	SW 2	W 1	10	10	1
12..	58.06	56.79	26	29.9	94	75	NE 1	SW 2	10	10	5.6
13..	57.67	56.77	25.9	31.1	92	72	NE 1	WSW 2	10	10	17.3
14..	57.89	56.75	27.6	31.6	84	71	NW 2	SW 2	10	10	1.5
15..	57.25	56.72	25.6	30.9	93	70	ENE 1	SW 2	10	10	......
16..	57.21	56.07	25.6	31.6	93	67	NE 1	SW 1	10	8	......
17..	57.36	56.05	26.2	33.9	89	58	NE 1	SW 2	10	8	......
18..	57.12	56.25	26.3	31.6	90	73	NE 1	SSW 2	10	10	14.2
19..	57.81	56.62	26.6	31.9	88	70	NNE 1	SW 2	10	10	3
20..	58.55	56.95	26.7	29.9	90	72	NE 1	SW 2	10	10	......
21..	59.16	57.67	25.7	31	95	72	NE 1	WSW 1	10	10	......
22..	58.14	57.18	28.7	32.3	85	70	S 1	NW 1	10	9	.8
23..	58.31	57.69	28.8	25.9	83	89	NE 1	NE 2	10	10	26.4
24..	57.95	57.63	26.4	31.2	95	78	NE 1	SW 2	10	10	6.4
25..	58.95	57.62	26.4	31.4	92	76	NNE 1	SW 2	10	10	18.5
26..	58.32	56.64	26.7	30.8	91	79	NE 1	SW 1	10	10	8.1
27..	57.24	56.60	27.3	26.2	90	94	NNE 1	E 2	10	10	10.7
28..	56.55	55.38	25.9	29.8	93	78	E 1	SW 1	10	10	11.9
29..	56.31	55.93	26	32	97	71	NE 1	SSW 2	10	10	......
30..	57.29	56.68	26.9	30	87	76	NE 1	SSW 2	10	10	6.6
31..	58.35	57.62	25.4	30.4	97	74	NE 1	SW 1	10	10	6.6
Mean	58.02	57.07	26.8	31.3	88.9	69.8	1.1	1.8	10	9	......
Total	....	....	....	....	....	....	....	....	....	....	143.5

JUNE.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	58.73	57.13	25.9	32.1	93	66	NNE 1	NE 2	10	10	......
2..	56.97	56.03	26.3	33.4	94	68	NE 1	SSW 1	10	8	......
3..	56.95	55.76	28.9	32.6	78	67	NE 2	NNW 2	10	10	......
4..	57.20	56.41	25.7	31.7	89	70	NE 1	S 1	10	10	1
5..	57.95	57.46	26.4	29.3	95	79	NE 1	SW 1	10	10	46.8
6..	58.98	57.45	25.8	31.4	94	72	NE 1	SW 1	10	10	3.3
7..	58.68	57.36	26.2	29.4	94	77	NE 1	SSW 1	10	10	72.2
8..	58.41	56.84	24.5	29.9	97	76	NE 1	NNW 2	10	10	3.8
9..	57.04	55.15	27.4	28.9	87	77	NNW 2	SW 3	10	10	9.7
10..	55.53	55.24	28.6	27.9	81	86	SSW 4	SSW 4	10	10	16.8
11..	55.74	55.49	28.3	27.4	83	87	SSW 4	S 4	10	10	16.5
12..	56.17	56.06	26.9	....	90	....	S 4	S 4	10	10	6.3
13..	57.64	56.99	28.2	29.8	82	75	SSW 3	SSW 4	10	10	3.8
14..	58.06	57.04	25.4	30.1	93	75	S 2	S 2	10	9	3.6
15..	58.72	57.59	27.4	30.9	87	73	SW 2	SW 2	8	10	4.6
16..	58.23	58.18	27.9	29.4	82	72	SSW 2	S 2	10	9	.5
17..	58.89	57.97	27.3	30.9	87	73	S 2	S 2	10	10	3
18..	57.84	57.54	28	30.2	82	74	SSW 2	SW 2	10	9	22.6
19..	57.32	56.39	25.9	29.8	92	71	SSW 2	SW 3	10	10	26.9
20..	58.12	57.33	24.4	26.4	95	79	NE 1	NE 1	10	10	27.9
21..	58.86	57.78	24.2	30.8	97	69	NE 1	SSW 2	10	10	.8
22..	59.70	58.57	25.6	30.7	92	72	NE 1	SSW 2	10	10	7.9
23..	58.63	58.32	24.2	31.2	97	68	NE 1	SSW 2	10	10	5.3
24..	59.05	57.93	25.6	30.2	96	76	NE 1	SW 2	10	10	25.7
25..	57.97	56.99	25	28.3	96	82	NE 1	SW 2	10	10	52.6
26..	56.92	57.06	26.4	25.2	86	91	SSW 3	SW 2	10	10	10.4
27..	57.05	56.86	26.9	30.1	86	80	S 2	S 2	10	10	30.5
28..	58.59	57.95	24.3	30.9	95	67	NNE 1	SSW 1	10	8	......
29..	59.31	58.18	27.2	29	87	76	NW 1	NW 1	10	10	2.3
30..	57.34	56.44	27.8	30.4	84	74	NNW 2	NNW 3	10	10	5.1
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	57.89	57.05	26.4	29.9	89.7	74.9	1.8	2.1	9.9	9.8	......
Total	.....	.....	....	....	....	....	....	....	....	....	409.9

JULY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	56.28	55.14	27.9	27.7	82	84	NW 4	W 2	10	10	35.5
2..	56.77	57.25	26.3	26.5	89	89	S 4	S 5	10	10	22.1
3..	58.71	58.89	27.5	28.2	84	86	S 3	S 2	10	10	7.9
4..	60.05	59.32	23.9	30.9	95	67	NE 1	SSW 1	10	8	......
5..	59.71	58.39	27.4	31.2	84	73	NNE 2	NNE 2	10	10	......
6..	58.80	58.43	24.5	29.9	95	75	NE 1	SSW 2	10	8	......
7..	59.91	59.83	25.4	28.5	94	80	NE 1	SSW 1	10	10	9.7
8..	60	59.62	24.3	31.1	96	70	NE 1	NNE 1	10	10	3
9..	59.26	58.23	26.9	30	87	77	NE 1	NNW 2	10	10	......
10..	58.86	57.55	27.3	29.3	88	79	N 1	SSW 2	10	10	2
11..	58.45	58.14	25.2	30.8	94	73	NE 1	SSW 2	10	10	23.4
12..	59.52	58.62	24.8	31	96	72	NNE 1	SW 1	10	10	1
13..	58.60	58.43	27.4	30.7	86	78	WNW 2	WNW 2	10	10	13.2
14..	59.02	58.32	25.3	30.4	95	73	NE 1	N 1	10	10	2.5
15..	58.39	57.25	24.1	30.1	94	75	NE 1	WSW 1	10	10	3
16..	58.05	57.04	24.9	30.2	96	73	NE 1	SSW 2	10	10	43.9
17..	58.28	57.96	25.1	27.4	96	82	NNE 1	SW 1	10	10	4.1
18..	57.72	56.95	23.9	30.9	97	69	NNE 1	SSW 1	10	9	21.6
19..	56.92	56.04	24.4	30.1	96	73	NNE 1	NNE 2	10	10	......
20..	55.94	55.49	27.9	29.7	82	75	NNE 2	NNE 2	10	10	12.2
21..	55.71	55.46	25	25.7	96	93	NE 1	SW 2	10	10	25.7
22..	56.07	55.14	25.9	28.2	91	82	NE 1	S 2	10	10	32.3
23..	56.36	55.75	26.4	28.5	90	83	SSW 4	SSW 2	10	10	2.3
24..	55.93	55.71	25.2	27.5	95	83	ENE 1	SSW 4	10	10	34.6
25..	56.45	56.20	26.9	29.2	85	74	SSE 4	SSW 3	10	10	8.1
26..	56.65	55.76	25.3	26.3	85	89	ENE 1	SSW 4	10	10	13.2
27..	54.59	53.83	27.8	29.6	79	75	SW 2	SSW 4	10	10	21.3
28..	55.63	55.33	25.4	28.3	87	74	S 6	S 5	10	10	3.8
29..	55.13	54.29	28.3	29.9	80	76	SSE 4	SSE 4	10	10	7.9
30..	54.83	54	28.1	29.9	80	78	SSE 4	S 4	10	10	......
31..	55.24	54.64	27.9	30.3	81	75	SSE 4	SSE 4	10	10	......
Mean	57.48	56.87	26	29.3	89.5	77.6	2	2.4	10	9.8	......
Total	.....	.....	....	....	.....	....	....	....	....	....	354.3

AUGUST.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	55.86	55.65	28.4	30.1	78	76	SSE 4	SSE 4	10	10	26.4
2..	56.59	55.84	28.3	29.7	82	77	SSE 3	S 3	10	10	4.1
3..	56.74	55.45	27.4	29.5	82	76	SSE 4	SW 4	10	10	11.4
4..	56.34	55.66	26.3	28.4	90	82	SE 1	SW 4	10	10	43.7
5..	56.70	56.04	28.3	29.9	82	78	S 4	S 4	10	10	.5
6..	56.30	55.90	28.4	29	82	83	S 4	S 4	10	10	......
7..	55.40	53.99	28.4	30.1	81	76	SSE 6	SSE 6	10	10	3.3
8..	54.58	54.45	28.3	27.5	84	90	SSE 6	SSE 5	10	10	5.6
9..	54.99	54.69	28.4	29.3	82	79	SSE 5	SSE 5	10	10	.8
10..	55.53	55.07	28.4	29.9	85	77	SSE 4	SSE 6	10	10	3.3
11..	55.48	54.74	28.3	29.7	82	79	SSE 5	SSE 6	10	10	......
12..	55.26	54.59	28.4	29.7	80	80	SSE 6	SSE 6	10	10	......
13..	56.16	56.06	28.4	28.3	84	81	SSE 4	SSE 5	10	10	66.6
14..	59.02	57.21	24.5	27.4	94	84	S 2	S 2	10	10	11
15..	58.02	57.48	27.5	29.6	87	79	S 2	S 3	10	10	9.4
16..	58.64	58.45	27.4	30.4	85	76	SSE 2	SSE 2	10	10	......
17..	59.21	58.54	27.1	29.7	86	77	SSE 2	S 2	10	10	3.8
18..	59.25	57.57	28.1	30.2	79	75	S 2	SW 2	10	10	39.1
19..	57.98	57.11	27.9	28.6	83	83	SW 4	SSW 4	10	10	17.8
20..	56.54	56.11	27.8	28.4	83	80	SSW 4	SSW 4	10	10	38.1
21..	57.92	57	26.9	30.6	90	78	SSE 4	SSE 4	10	10	......
22..	58.54	57.78	27.5	29.6	85	75	S 2	S 2	10	10	1.8
23..	58.09	57.09	24.3	30.2	95	74	SSW 1	SSW 2	10	10	......
24..	57.09	56.39	28	29.9	82	77	SSW 2	S 2	10	10	......
25..	57.28	56.10	28.1	29.3	82	79	SSE 2	SSE 4	10	10	5.6
26..	57.34	58.05	27.7	29.6	83	78	SSW 3	S 2	10	10	......
27..	59.09	58.04	23.8	30.1	89	73	NNE 1	S 2	10	10	......
28..	57.64	56.84	23.9	30.3	95	73	NE 1	S 2	10	10	......
29..	56.93	55.90	27.9	29.4	84	77	S 2	S 3	10	10	26.9
30..	57.02	57.05	27.1	27.3	78	78	S 2	SSW 3	10	10	30
31..	57.53	56.60	26.1	28.1	88	83	S 2	S 3	10	10	30
Mean	57.07	56.37	27.3	29.3	84.6	78.5	3.1	3.5	10	10	......
Total	.....	.....	....	....	....	....	....	....	....	....	379.2

CUYO

[ϕ=10° 51′ N; λ=121° 01′ E; barometer above sea, 3.3 meters; gravity correction not applied, —1.83 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1	57.17	55.97	26.1	27.3	88	80	SSE 2	SSE 4	10	10	33.3
2	58.06	57.73	26.8	29.4	88	74	SSE 3	S 3	10	10	1
3	59.12	58.56	23.9	29.9	97	73	NE 1	S 2	10	10	......
4	59.64	58.45	24.1	30.2	96	74	NE 1	NW 2	10	10	......
5	59.17	57.88	27.2	29.6	84	81	NW 2	NW 2	10	9	1.5
6	58.67	57.19	26.6	30.6	84	73	NW 2	NNW 2	10	8	62.5
7	57.62	56.61	25.4	29.3	89	81	SW 2	NNW 3	10	10	31.5
8	57.04	56.90	25.4	25.9	89	87	SW 1	SW 2	10	10	27.4
9	58.20	57.30	26.3	26.4	86	87	W 4	SW 1	10	10	10.2
10	57.70	56.34	26.4	28.7	82	79	SW 2	SW 2	10	10	2.8
11	55.58	55.53	24.8	24.7	94	92	NNE 1	NNE 1	10	10	17.5
12	55.70	54.64	26.3	27.3	86	84	SSW 2	SSW 4	10	10	3.3
13	55.95	55.28	27	28.4	80	75	SSW 4	SSW 4	10	10	1
14	57.26	56.03	26.9	28.7	82	76	SSW 4	S 2	10	10	......
15	57.41	56.60	25.7	27.6	91	83	ENE 1	SSW 4	10	10	19.5
16	58.42	57.13	25.3	29.2	93	79	SSW 3	SSW 2	10	10	1.8
17	58.96	58.91	24.7	26.2	97	90	S 1	S 2	10	10	34.8
18	60.54	58.98	23.7	27.9	91	84	SSW 2	SSW 2	10	10	3
19	59.43	58.20	24.2	29.8	96	71	S 1	SSW 1	10	10	2.8
20	58.41	57.78	25.9	30.4	89	68	NNE 1	SW 2	10	8	.8
21	59.06	57.28	25.2	29.4	93	70	S 1	SSW 2	10	10	......
22	58.99	57.44	26.6	30.9	90	72	NE 2	NNE 2	10	10	1
23	58.22	57.29	26.5	29.9	86	71	NNE 2	N 2	10	9	......
24	58.10	57.70	26.5	29.4	86	72	N 2	NNE 2	10	8	......
25	58.34	57.83	27	29.6	85	78	NE 2	NE 2	10	7	......
26	58.61	57.78	26.9	30.9	89	70	NNE 1	NNE 2	10	10	......
27	58.59	57.79	26.7	30.3	86	72	N 2	N 2	10	10	......
28	58.85	57.62	27.3	30.4	82	71	N 2	NE 2	10	9	......
29	58.79	57.38	27.1	30.2	83	73	NNE 2	NE 2	10	9	......
30	59.54	57.08	24.6	30.2	94	70	NNE 1	NNE 2	10	4	......
31	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.24	57.24	25.9	29	88.5	77	1.9	2.2	10	9.4	......
Total	.....	.....	....	....	....	....	....	....	....	....	255.7

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1	58.25	57.35	27.5	30.1	81	71	N 2	N 1	9	8	......
2	57.79	56.57	26.8	31.1	85	68	N 2	SSW 2	10	10	......
3	57.91	56.94	24	30.2	92	70	NNE 1	SSW 2	10	10	......
4	58.61	57.37	26.3	32.2	84	64	S 2	S 2	10	10	15.5
5	58	56.67	25.4	30.2	92	71	SSW 1	SW 2	10	10	1.6
6	58.04	57.31	26.4	25.6	86	92	S 2	NNE 2	10	10	39.9
7	58.82	57.49	25.4	27.7	93	84	NNW 2	NNW 2	10	10	18.8
8	57.37	56.28	24.4	27.9	95	80	NNE 1	SSW 3	10	10	21.6
9	56.55	55.41	26	26.9	88	82	SSW 3	S 4	10	10	27.7
10	56.96	56.19	25.4	28.1	87	83	SSE 4	SE 4	10	10	18.8
11	58.22	57.51	25.8	29	88	81	ESE 1	SE 2	10	10	8.1
12	60.37	58.55	24.4	29.2	95	74	SSE 1	SE 1	10	10	......
13	59.68	58.40	27.4	30	87	73	N 2	NE 2	10	10	......
14	57.69	55.82	27.2	25	80	90	N 1	NE 4	10	10	69.8
15	47.68	53.08	25.6	26.9	93	84	N 1	S 4	10	10	11.1
16	56.76	55.90	26.5	29.4	87	74	SSE 2	SSE 4	10	10	13
17	58.45	57.10	25.4	29.9	90	78	SSW 1	S 2	10	10	7.9
18	58.31	56.66	23.3	29.3	96	77	NE 1	SSW 2	10	10	......
19	58.24	56.74	24.5	29.9	96	74	N 1	SSW 2	10	4	7.6
20	58.64	57.78	27.5	28.6	83	83	NNE 2	NNE 1	10	10	7.4
21	58.95	58.20	27.1	29.6	82	69	NNE 3	NNE 3	10	10	1.8
22	59.56	57.91	27.3	29.4	78	69	N 3	N 2	10	9	......
23	59.24	58.45	26.6	30.2	88	74	NNE 1	NNE 2	10	5	......
24	59.09	57.90	26.9	29.8	86	75	NE 2	NNE 2	10	10	9.4
25	59.08	57.93	24.9	30	95	73	NE 1	SSE 2	10	8	26.7
26	59.56	58.24	23.8	29.6	96	73	SE 1	SSE 1	10	8	......
27	59.91	58.86	25.2	29.1	92	74	S 1	N 1	10	10	1.8
28	59	57.76	26.8	29.4	86	74	NNE 2	S 2	9	8	......
29	58.15	57.04	26.4	30.3	88	72	NE 1	NNE 2	10	9	......
30	58.39	56.79	26.9	29.8	86	75	NNE 2	NNE 2	10	9	.8
31	57.75	57.09	25.9	30.6	87	65	N 1	N 1	10	10	1
Mean	58.10	57.14	25.9	29.2	88.5	75.7	1.6	2.2	9.9	9.3	......
Total	.....	.....	....	....	....	....	....	....	....	....	310.3

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1	58.95	57.64	24.9	29.6	95	79	NE 1	SW 1	10	10	0.8
2	58.75	57.48	26.6	30.1	90	74	NE 1	N 2	10	10	......
3	58.19	57	27.7	31.3	83	73	NNE 2	NNE 2	10	10	......
4	57.99	56.98	27.4	30.4	82	75	NNE 3	NNE 3	10	8	......
5	57.54	56.19	27.5	30.3	87	75	NNE 2	NE 2	10	10	......
6	57.46	56.10	27.4	30.3	86	75	NNE 2	NNE 2	10	10	......
7	58.30	57.03	26.9	29.9	88	75	NNE 2	NNE 2	10	10	......
8	58.45	56.91	25.4	28.1	94	80	NE 1	S 2	10	10	4.8
9	58.37	56.97	25.3	26.4	92	86	N 1	N 2	10	10	12.4
10	57.85	56.66	24.9	29.3	96	71	NNE 1	S 1	10	10	......
11	57.52	56.05	24.4	29.5	95	73	E 1	SW 1	10	10	......
12	57.59	56.78	27	30.4	85	70	N 1	N 2	10	10	......
13	57.66	57.35	27.4	28.8	80	78	N 2	NE 3	10	10	23.4
14	58.72	57.88	26.5	28.2	79	73	NNE 2	NNE 2	10	10	......
15	58.27	56.78	26.4	30.4	86	69	NNE 1	N 2	10	10	7.1
16	57.93	56.66	24.6	30.2	96	69	NE 1	S 1	10	10	8.1
17	57.76	56.60	24.8	29.3	94	79	E 1	N 2	10	10	13.5
18	57.49	56.45	27.5	27.3	85	87	S 3	SW 2	10	10	19.1
19	57.72	56.36	26.4	28.9	89	83	SSW 2	SSW 2	10	8	16
20	58.18	56.89	24.6	29.1	92	78	SE 1	S 2	10	10	4.9
21	57.69	56.45	24.3	29.5	95	78	NE 1	NE 1	10	7	1.3
22	58.17	57.66	24.4	28.7	95	73	NNE 1	NNE 3	10	10	......
23	59.99	58.53	25.9	28.4	87	72	NNE 1	NNE 2	10	10	9.7
24	59.30	57.99	25.7	27.9	85	74	NE 2	NNE 2	10	10	......
25	58.93	57.45	25.5	27.6	74	70	NNE 2	NNE 3	10	10	......
26	58.87	57.47	26	27.5	75	72	NE 4	NE 4	10	10	......
27	58.01	56.53	26.5	26.3	81	87	NNE 3	NNE 4	10	10	41.9
28	58.26	58.43	25.6	30.4	89	65	NE 2	SSE 1	10	10	......
29	59.18	57.46	26.3	29.5	90	75	NNE 1	NNE 3	10	3	......
30	58.66	57.25	26.9	28.9	86	77	N 2	NNE 3	10	8	......
31	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.26	57.07	26	29.1	87.7	75.5	1.7	2.1	10	9.5	......
Total	.....	.....	....	....	....	....	....	....	....	....	163

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1	58.30	57.46	26.5	29.3	88	74	N 1	NNE 3	10	10	......
2	58.57	57.76	26.9	29.2	86	78	NNE 3	NE 2	10	9	......
3	58.01	56.40	27	28.4	83	76	NE 4	NE 4	10	8	1
4	55.41	51.79	26.9	25.1	79	95	N 4	N 4	10	10	89.7
5	54.47	54.89	26.3	24	85	91	SE 2	SSE 2	10	10	15.2
6	56.76	56.11	26.9	28.6	86	83	S 2	S 2	10	10	2.5
7	58.07	57.40	25.6	29.4	94	78	S 1	SSE 2	10	8	.8
8	58.88	57.59	24.4	28.3	95	80	NE 1	NE 2	10	10	1.5
9	58.10	57.41	26.4	28.9	87	74	NNE 2	NNE 2	10	10	......
10	58.73	57.46	26.4	29.4	80	67	NE 2	NNE 2	10	10	......
11	58.18	57.98	25.1	29.9	87	65	NNE 1	NNE 2	10	10	......
12	58.71	57.66	26.5	29.1	84	74	NE 2	NE 2	10	7	......
13	58.30	56.51	26.7	28.6	83	74	NNE 2	NNE 3	10	4	......
14	57.76	56	26.4	28.9	86	76	NNE 2	NNE 2	10	10	......
15	57.87	57.23	25.4	28.9	90	78	NNE 1	NNE 2	10	10	......
16	58.45	57.86	24.6	29	87	73	NNE 1	NNE 2	10	6	......
17	59.49	58.73	25.9	28.6	81	78	NNE 2	NNE 3	10	9	......
18	59.63	58.65	26.4	28.4	86	80	NNE 3	NNE 3	10	10	......
19	60.24	59.80	26.1	26.2	85	84	NNE 3	NNE 3	10	10	.8
20	60.73	59.62	26.5	28.6	83	74	NNE 3	NE 2	10	10	......
21	60.70	59.68	26	29	81	75	NE 2	NNE 3	10	8	......
22	60.10	59.08	26.3	28.3	79	74	NE 3	NE 3	10	10	......
23	59.89	58.71	26	29.3	84	74	NE 2	NNE 2	10	9	......
24	59.60	57.90	26.4	28.9	87	78	N 2	N 3	10	9	......
25	58.52	57.86	26.4	28.6	86	77	N 3	N 3	10	10	......
26	59.35	58.24	26.3	28.4	86	77	N 2	N 2	10	8	......
27	59.44	58.50	25.5	29.6	89	77	N 1	N 2	10	10	......
28	59.32	58.34	26.4	28.6	86	79	N 2	N 2	10	4	......
29	59.54	57.99	26.7	28.5	87	75	NNE 3	N 3	10	10	......
30	59.61	58.53	25.9	26.4	78	74	NNE 4	NNE 4	10	10	......
31	60.42	59.12	25	25.9	75	73	NNE 4	NNE 4	10	10	......
Mean	58.75	57.69	26.1	28.3	84.9	76.9	2.3	2.6	10	9	......
Total	.....	.....	....	....	....	....	....	....	....	....	111.5

ORMOC

[ϕ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, −1.83 mm.]

Day.	JANUARY.											FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a.m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a.m.
	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.		6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.61	59.21	24	30.2	91	73	NE 2	S 3	8	8	3.8	62.33	60.90	20.7	28	96	71	Calm	SW 2	4	8	......
2..	60.55	59.29	22.9	29.5	99	77	Calm	S 2	5	8	......	62.45	61.03	19.8	29.3	94	64	Calm	NW 1	4	8	......
3..	61.42	59.93	24.2	31.6	92	65	Calm	SSE 1	8	6	1.3	63.10	61.02	22.3	31.2	90	58	Calm	S 2	6	6	......
4..	61.46	60.39	21.8	30	96	65	Calm	SW 2	4	6	.8	63.20	61.91	22.8	29	86	60	Calm	ENE 3	8	9	0.5
5..	61.98	60.78	22.8	30.9	91	62	Calm	NE 3	10	6	3.3	64.45	62.28	23.2	29.8	90	56	Calm	NE 2	8	8	......
6..	63.31	61.83	25.7	30.8	72	56	ENE 2	NE 2	6	7	2.8	64.40	62.42	25.6	31.9	75	49	NE 1	ESE 3	9	4	......
7..	62.34	60.98	26.2	28.7	72	67	NE 3	NE 3	10	10	1.5	64.35	62.32	21.4	31.8	89	50	Calm	ENE 2	4	6	.8
8..	62.33	60.31	21.9	29.8	96	60	Calm	E 2	8	7	......	63.72	61.92	22.9	29	95	65	Calm	SE 2	10	7	......
9..	60.90	59.21	20.8	31.2	96	66	Calm	S 2	10	7	......	63.12	61.37	22.7	32.4	89	47	Calm	ENE 2	7	5	......
10..	60.33	58.71	20.8	29.4	96	78	Calm	S 2	8	9	.8	62.31	61.18	22.8	28.8	88	71	Calm	SE 1	8	10	.3
11..	59.64	58.50	22.3	31.4	97	66	Calm	S 2	7	5	......	62.86	61.44	22.5	25	95	99	Calm	Calm	7	10	7.6
12..	60.12	59.11	20.3	30.7	97	63	Calm	S 2	6	7	......	62.42	60.47	23.7	31.2	95	52	Calm	ENE 2	10	6	......
13..	60.58	59.44	19.9	31	97	65	Calm	S 2	4	5	......	61.67	60.63	24.3	31	86	55	SE 2	ESE 2	8	7	......
14..	62.57	61.64	18.5	30.6	94	44	Calm	ENE 2	3	4	......	61.97	60.58	20.5	31.4	95	62	Calm	SW 2	4	6	......
15..	62.89	61.04	18	29.9	94	59	Calm	S 2	3	7	.5	62.10	60.77	23.6	29.3	88	74	Calm	S 2	8	10	......
16..	62.58	60.78	21.6	28.9	97	59	Calm	E 3	10	9	......	61.79	60.04	21.9	30	96	77	Calm	S 2	4	8	......
17..	62.41	61.63	23	27.9	78	72	Calm	N 2	7	10	1	60.47	58.79	21.9	31.4	96	68	Calm	S 2	4	5	......
18..	63.47	62.01	22	30.9	84	48	Calm	E 2	7	7	......	59.96	58.66	21	31	96	69	Calm	S 2	6	7	......
19..	63.38	62.19	18.8	29.8	96	48	Calm	NE 2	5	6	......	60.91	58.94	22	30.8	95	65	Calm	S 2	8	8	......
20..	63.22	61.40	20.8	27.2	92	75	Calm	SW 2	10	9	......	61.25	59.37	23.9	26	91	96	Calm	SSE 2	10	10	2
21..	62.60	61.28	23.8	29.4	89	58	NE 1	NE 1	10	10	......	60.36	58.60	21.4	31.4	96	70	Calm	S 2	5	7	.3
22..	62.66	61.13	21.9	28.4	88	64	Calm	NNW 2	4	9	......	59.40	57.37	21.9	30	97	68	Calm	SSW 2	4	6	......
23..	62.01	60.62	23.8	28.4	86	68	Calm	SE 2	10	9	......	59.56	57.88	23.4	31.5	95	66	Calm	S 2	9	6	......
24..	60.86	60.20	24.3	25	89	99	Calm	NW 1	10	10	19	60.34	58.30	24.7	32.9	75	41	E 1	NE 3	7	5	......
25..	61.34	59.72	23	31.8	98	58	Calm	SE 2	10	7	.5	60.06	58.33	19.8	32.4	91	42	Calm	ENE 3	7	6	......
26..	61.57	60.33	22.6	30.1	89	52	Calm	NE 2	8	7	......	60.50	59.21	21.3	32.9	80	41	Calm	E 3	6	5	......
27..	61.81	60.06	19.6	31.2	93	47	Calm	E 3	8	5	......	61.10	59.99	25.9?	28	69 ?	70	ENE 2	SW 2	7	9	......
28..	61.86	59.94	20.9	31.4	91	47	Calm	E 2	5	5	......	61.22	59.38	23.1	30	93	62	Calm	S 1	10	8	.8
29..	61.73	60.42	23.2	31.2	78	48	Calm	ENE 3	5	5	.8	.....	.....	....	....	....	....	....	....	....	....	......
30..	61.69	59.98	23	30.5	96	65	Calm	S 2	10	5	......	.....	.....	....	....	....	....	....	....	....	....	......
31..	61.90	60.07	23.8	30.9	92	59	Calm	SSW 2	10	5	......	.....	.....	....	....	....	....	....	....	....	....	......
Mean	61.81	60.39	22.1	30	90.8	62.4	0.3	2.1	7.4	7.1	......	61.83	60.18	22.5	30.3	90	63.1	0.2	2	6.9	7.1	......
Total	.....	.....	....	....	....	....	....	....	....	....	36.1	.....	.....	....	....	....	....	....	....	....	....	12.3

Day.	MARCH.											APRIL.										
	mm.	mm.	°C.	C.	P.ct.	P.ct.			0–10	0–10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.39	59.17	22.8	32.3	89	48	Calm	ENE 2	8	7	......	60.35	58.53	22	30.9	93	72	Calm	S 2	7	7	......
2..	59.96	59.23	24.8	30.8	92	68	Calm	SSW 2	8	7	......	60.22	59.49	21.1	29.8	88	67	NE 1	S 2	5	8	......
3..	61.27	59.68	24.3	32.6	76	47	Calm	ENE 3	7	7	......	60.60	58.76	20.5	29.7	95	70	Calm	SSW 2	7	8	......
4..	61.25	60.23	24	33.6	74	41	NE 2	NE 2	6	7	......	59.75	58.54	19.8	30.1	94	70	Calm	S 2	4	5	......
5..	61.97	60.43	19.8	30.4	92	63	Calm	S 2	5	5	......	60.51	58.75	19.2	30.6	94	70	Calm	S 3	4	6	......
6..	61.73	59.94	19.8	31.9	91	49	Calm	ENE 2	4	7	......	60.73	59.11	20	31.5	92	68	Calm	S 2	5	6	......
7..	61.19	59.58	23	33.3	89	43	Calm	NE 2	6	5	......	60.54	58.06	22.3	31	87	62	Calm	S 3	6	6	......
8..	61.30	59.18	20.4	30.8	91	54	Calm	E 2	5	6	2.8	58.86	56.58	23	29.3	91	77	Calm	SW 2	8	10	15.2
9..	61.20	59.68	22.2	30.2	93	69	Calm	S 2	10	8	......	58.15	56.52	24.9	31.7	99	68	Calm	S 2	10	8	7.4
10..	61.15	60.23	26.7?	30	67?	54	E 2	ENE 2	8	8	......	58.18	57.19	23.2	29.6	90	75	Calm	SW 2	9	8	......
11..	61.80	59.63	20.4	32.1	91	48	Calm	ENE 2	4	6	......	58.69	56.83	23.4	33.4	96	54	Calm	SE 2	8	5	......
12..	61.51	61.15	23	25.9	93	85	Calm	S 1	9	10	4.1	58.99	57.53	22.4	32.8	94	47	Calm	SE 3	5	4	......
13..	61.62	60.12	22.7	32	94	63	Calm	S 2	10	6	......	58.94	56.93	22.6	34.4	91	46	Calm	NE 2	5	6	......
14..	61.22	60.25	21.5	30.5	92	68	Calm	SSE 2	4	6	.3	58.81	57.72	24.4	31.6	91	70	Calm	SSE 3	4	5	......
15..	61.40	60.25	24.4	29.4	90	74	Calm	SSE 2	8	9	8.1	60.31	58.52	22.4	31.4	94	57	Calm	NE 3	4	8	......
16..	61.25	59.81	20.4	31	97	65	Calm	S 2	4	6	.5	60.26	58.17	21.2	33.9	95	46	Calm	SE 2	3	6	......
17..	60.85	60.04	24.3	32.6	88	50	N 1	SE 2	10	7	......	59.48	57.68	24.9	30.6	92	69	Calm	SSE 3	6	7	......
18..	61.67	60.85	22	28.8	93	71	Calm	S 2	5	9	.3	59.13	58.29	23.5	31.6	90	66	Calm	S 2	5	6	......
19..	62.12	60.88	23	30.9	95	65	Calm	SSE 2	10	9	2.3	59.86	58.58	22.2	31.9	93	58	Calm	SE 1	4	6	......
20..	62.05	60.37	23.5	32	89	46	Calm	ESE 3	5	5	......	60.87	59.42	23.9	33.9	91	43	Calm	NE 2	6	6	......
21..	61.12	59.76	19.9	32	91	46	Calm	ENE 2	4	4	......	61.21	58.83	22.3	34	94	42	Calm	ENE 2	7	7	......
22..	61.43	59.18	18.1	30.9	97	66	Calm	SSE 2	0	4	......	60.27	59.18	22.8	27.9	89	83	Calm	NW 1	4	10	7.9
23..	60.74	59.04	18.8	30.9	94	70	Calm	SSE 2	0	6	......	60.84	58.89	22.3	30.4	97	65	Calm	Calm	8	9	3.8
24..	60.35	58.81	22.5	31.9	92	63	Calm	S 2	6	6	......	60.72	59.13	24.6	31.8	84	64	Calm	S 2	4	7	......
25..	60.32	58.77	19.3	30.6	91	70	Calm	S 2	7	6	......	60.67	58.76	22.4	31	91	67	Calm	S 2	7	8	......
26..	61.06	58.90	20.9	28.4	92	77	Calm	S 3	5	8	.8	60.06	57.97	21.9	33.3	92	49	Calm	SE 2	7	8	......
27..	60.02	58.41	23.4	31.4	87	63	Calm	S 2	5	7	......	59.28	57.36	22.2	31.4	97	66	Calm	S 2	7	8	1.3
28..	60.13	59.15	26.5	27.4	76	86	Calm	Calm	9	10	2.5	58.83	57.93	24.5	28.2	95	74	Calm	SE 2	10	10	2
29..	60.21	58.47	23.7	31.2	87	58	Calm	SW 2	8	5	......	59	58.73	23	28.7	95	70	Calm	NE 2	10	10	3.6
30..	59.80	57.43	25.8	29.9	73	67	Calm	SW 3	5	6	......	59.49	57.81	21.4	30.9	97	69	Calm	SSE 2	5	6	......
31..	59.17	57.74	22.7	30.9	92	71	Calm	S 2	8	7	......	.....	.....	....	....	....	....	....	....	....	....	......
Mean	61.01	59.56	22.4	30.9	88.6	61.5	0.2	2	6.2	6.7	......	59.79	58.19	22.5	31.2	92.7	63.5	0	2.1	6.1	7.1	......
Total	.....	.....	....	....	....	....	....	....	....	....	21.7	.....	.....	....	....	....	....	....	....	....	....	41.2

ORMOC

[φ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

Day.	MAY.											JUNE.										
	Pressure, 700 mm.+		Temperature.		Rulative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.76	57.58	20.8	33.5	93	48	Calm	ESE 2	0	5	......	59.01	57.27	23.4	33.4	91	55	Calm	SSW 2	7	7	......
2..	60.15	57.48	22.3	33.8	91	45	Calm	ENE 2	4	5	......	57.81	55.98	23.9	32.9	91	62	Calm	SSW 2	4	4	......
3..	59.20	57.69	21.8	31.9	95	66	Calm	S 2	4	8	......	57.37	55.87	23.7	31.3	91	69	Calm	SW 2	9	9	2.3
4..	59	57.88	23.5	31.9	96	68	Calm	S 2	6	5	0.8	57.58	56.44	23.9	28.4	94	85	Calm	NE 2	4	10	.5
5..	60.24	59.03	24.9	31.3	92	63	Calm	NE 2	10	8	.3	58.61	58.92	23.6	24.3	95	99	Calm	Calm	8	10	60
6..	60.10	58.11	23.6	31.5	88	68	Calm	SSW 2	8	7	......	58.81	58.19	23.8	25.9	98	99	Calm	Calm	8	10	13.5
7..	59.42	57.81	24.2	32	90	66	Calm	SSW 2	5	6	......	59.17	57.29	23.3	26	97	98	Calm	Calm	8	10	39.6
8..	58.58	57.53	23.3	32.2	90	65	Calm	S 2	4	5	......	57.82	56.74	24.3	23.6	99	100	N 1	N 2	10	10	108.2
9..	59.54	57.42	22.8	32.4	88	66	Calm	S 2	4	7	......	55.92	55.78	27.6?	29.8	84?	78	S 4	S 4	10	10	1.8
10..	59.01	57.21	23.2	30.9	90	64	Calm	SW 2	4	6	......	57.18	56.65	25.6	30.2	96	72	Calm	SE 2	10	10	3.3
11..	58.08	56.53	23.2	32.4	90	68	Calm	SSE 2	4	6	......	57.57	56.69	26.8	31.8	86	72	SE 2	SSE 3	8	8	......
12..	58.47	56.58	23	33	91	63	Calm	SSW 2	7	5	......	57.90	56.91	26.9	29.9	80	78	ESE 2	S 2	9	9	.3
13..	58.38	56.68	23.3	32.2	90	71	Calm	SSW 2	7	4	......	58.81	57.36	26.9	31.8	84	66	E 2	SSE 2	9	5	.3
14..	58.24	56.88	23	31	91	76	Calm	S 2	7	7	......	58.72	57.53	24.6	31.8	94	66	Calm	SSE 2	4	4	......
15..	57.62	56.12	23.7	32.9	91	64	Calm	S 2	10	7	......	59.07	57.32	24.7	32.2	93	64	Calm	S 2	5	4	......
16..	57.62	55.56	24.2	33.4	92	66	Calm	S 2	8	6	......	59.04	57.93	26.9	32.8	80	70	Calm	S 2	8	5	......
17..	57.72	55.61	24.9	32.9	92	65	Calm	S 2	7	7	......	59.47	57.52	24.3	32.4	96	69	Calm	S 2	7	8	......
18..	57.97	56.02	24.7	32.3	92	70	Calm	S 2	8	7	......	58.51	56.97	23.9	30.3	96	76	Calm	SSE 2	8	10	.3
19..	58.60	56.83	25	30.9	91	77	Calm	S 2	4	7	......	57.22	56.47	25.3	24.4	93	100	Calm	NE 1	10	10	22.6
20..	59.49	57.36	24.8	29.7	89	80	Calm	S 1	8	9	.3	57.88	57.06	24	30	98	77	Calm	SSE 1	10	8	3.8
21..	59.90	57.81	25.4	32.2	88	71	Calm	S 2	7	7	......	58.76	57.74	23.9	32	94	69	Calm	SSE 2	5	6	......
22..	59.32	57.46	22.9	31.1	83	71	Calm	S 2	4	8	......	59.92	58.09	25	32	93	69	Calm	S 2	9	8	......
23..	59.01	57.54	24.6	30.2	90	75	Calm	S 2	8	9	......	58.72	57.71	24.7	29.2	92	78	Calm	E 1	7	10	......
24..	58.92	57.46	24	32.3	91	69	Calm	S 2	5	8	......	58.78	57.60	24.5	28	95	82	Calm	Calm	8	10	4.6
25..	59.14	57.46	23.6	32.8	89	61	Calm	S 2	9	7	......	58.18	56.72	24.4	25.8	93	93	Calm	Calm	10	10	23.7
26..	58.93	56.70	23.6	33	91	65	Calm	S 2	7	6	......	57.37	56.74	24.7	28.9	96	74	Calm	S 3	10	10	.8
27..	57.71	55.77	25	31.1	91	66	Calm	S 1	4	7	......	58.05	57.08	26.4	32.8	84	67	E 1	S 1	8	5	......
28..	57.72	56.06	25.6	30.8	91	68	Calm	NE 1	8	9	......	59.33	57.94	23.9	29.4	92	84	Calm	NE 1	5	9	.3
29..	57.30	55.50	23.2	35	88	49	Calm	SE 2	4	7	2.8	59.05	57.33	24.6	27.4	90	80	Calm	NW 2	6	10	34.8
30..	57.55	56.92	25.1	31.6	98	71	Calm	S 2	10	9	1.8	56.79	55.44	23.4	29.2	97	76	Calm	NW 1	10	10	12.2
31..	58.93	57.82	24.9	32.2	97	70	Calm	S 2	10	7	.3	.....	.....	.....	.....	.....	.....	....	....	....	....	......
Mean	58.76	57.05	23.8	32.1	90.9	66.3	0	1.9	6.3	6.8	......	58.28	57.11	24.8	29.6	92.1	77.6	0.4	1.6	7.8	8.3	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	6.3	.....	.....	.....	.....	.....	.....	....	....	....	....	332.9

Day.	JULY.											AUGUST.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	55.15	54.67	24.5	25.3	97	93	NE 1	E 1	10	10	20.3	56.54	55	28.4	32	81	71	S 3	SSW 3	10	9	......
2..	56.87	57.23	27.2?	29	81?	79	SSW 4	S 4	10	10	11.4	56.70	56.03	28.5	29.8	77	75	SW 3	S 2	10	10	......
3..	60.34	59.08	23.6	31	97	73	Calm	S 2	10	9	......	56.99	55.34	25.8	28.2	93	79	Calm	Calm	10	10	1.8
4..	60.36	58.72	23.8	32	94	69	Calm	SSE 1	9	9	6.6	56.36	55.41	28	30.4	82	72	S 3	SW 3	10	9	13.2
5..	59.67	58.77	24	23.1	98	100	Calm	ENE 1	10	10	47	57.16	56.10	25.4	30.7	88	76	E 2	SSW 3	10	10	.5
6..	59.63	58.10	22.5	29.6	99	73	Calm	SE 1	9	10	......	57.25	55.78	28.4	31	86	73	SSW 5	SSW 4	10	10	.5
7..	60.50	59.34	24	30.8	97	65	Calm	NW 1	6	9	......	55.50	53.94	28	30.2	86	73	SSW 4	SSW 5	9	10	......
8..	60.29	58.81	23.8	33	96	68	Calm	SSE 2	6	5	11.2	54.96	54.35	28.2	31.2	85	77	SSW 5	SSW 5	8	7	......
9..	59.43	57.68	23.6	31.8	95	72	Calm	SSE 2	7	8	.8	54.89	54.37	28.4	31.4	82	71	SSW 5	SSW 4	8	8	......
10..	59.24	57.80	23.2	30.2	97	70	Calm	SSE 2	6	9	......	55.73	54.76	28.4	31.4	85	63	SSW 4	SW 4	10	8	.8
11..	59.01	57.67	23.4	32.3	97	66	Calm	S 2	6	8	8.6	55.78	54.17	28.2	29.4	83	83	SSW 5	SSW 4	10	10	......
12..	59.77	58.14	23	32.9	98	67	Calm	S 2	4	6	7.1	55.55	54.76	28.4	30	82	76	SSW 5	SSW 5	10	10	......
13..	58.92	58.25	23.5	29.6	95	84	Calm	E 2	6	10	4.8	56.85	56.03	28	31.3	80	73	S 3	SSW 3	9	8	3.3
14..	59.27	57.48	23.4	31.5	97	70	Calm	SSW 1	8	7	......	58.61	56.56	25.8	31.5	79	73	F 1	SSE 3	8	8	......
15..	59.27	56.94	24.7	32.8	94	65	NE 1	SSE 2	8	6	......	58.62	57.21	25.8	31	86	71	E 1	SSE 3	4	8	......
16..	58.36	56.69	24.5	32.8	91	67	Calm	S 2	6	6	......	59.23	57.93	24.4	32	94	67	Calm	SE 2	9	9	......
17..	58.51	57.86	24.2	28.1	97	78	Calm	Calm	7	9	3.8	58.81	57.34	24	33.6	96	55	Calm	NW 2	4	5	......
18..	58.13	56.89	23.6	28.5	97	85	Calm	SE 2	5	9	6.4	58.22	56.28	26.4	31	88	64	N 1	NW 2	9	8	1.3
19..	57.12	55.59	24	30	98	70	Calm	NW 2	10	9	......	56.61	55.70	27	30	83	70	WNW 2	NW 2	10	10	.5
20..	56.20	55.73	24	29.1	97	77	Calm	SE 2	8	10	1.3	56.25	56.25	27.4	29.5	81	76	SSW 3	SSW 5	10	10	1.3
21..	56.06	55.48	24	30.8	99	73	Calm	S 2	8	10	......	59.55	57.81	26.5	32.6	80	60	ESE 2	SSE 2	10	4	......
22..	56.66	55.38	24.9	29.9	91	73	Calm	SE 2	10	9	23.9	59.08	57.13	23.2	32.9	95	68	Calm	S 2	4	4	......
23..	56.67	55.43	24.8	29.2	90	77	ENE 2	SE 2	10	10	40.1	58	56.51	25.8	32.8	93	46	Calm	WNW 2	10	7	......
24..	56.84	55.83	23.7	31.4	99	72	Calm	SE 2	10	7	14.2	56.82	55.53	27.9	30.9	77	74	SW 3	S 3	9	9	......
25..	57.32	56.22	24.6	31.4	98	75	Calm	S 2	10	8	......	57.43	55.91	27.8	32.2	84	66	S 2	SE 2	8	7	......
26..	56.50	54.95	26	29	94	69	Calm	SW 2	10	10	.8	58.19	57.92	26.9	32.8	80	62	Calm	SSE 2	6	7	......
27..	54.57	54.88	27.2	27.7	81	81	SSW 3	SSW 3	10	10	.5	59.72	57.64	23.6	30.7	95	70	Calm	SSE 2	9	9	......
28..	55.74	56.10	26.9	27.6	80	73	SSW 4	WSW 3	10	10	......	57.50	56.33	24.5	30.6	94	62	Calm	NW 2	9	10	25.9
29..	55.15	53.92	27.8	31.6	82	75	SSW 3	SSW 3	10	9	......	56.13	55.36	24.9	27.8	96	85	Calm	Calm	10	10	1.3
30..	54.80	53.57	26.9	32.2	86	74	SW 1	S 3	9	9	......	57.06	56.59	26.5	30.1	80	75	S 2	SSW 3	10	10	6.1
31..	55.65	54.50	28	31.8	80	71	SSW 3	S 3	8	7	......	57.94	56.15	26.3	30.3	87	72	E 1	SSE 2	8	9	......
Mean	57.81	56.70	24.6	30.2	93.3	74.3	0.7	2	8.3	8.6	......	57.23	56.01	26.7	30.9	85.7	70.3	2.1	2.8	8.7	8.5	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	208.8	.....	.....	.....	.....	.....	.....	....	....	....	....	56.5

ORMOC

[φ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	57.54	56.14	26.7	31.5	82	72	SE 2	SSE 2	8	9	......
2..	58.48	57.78	25.8	32.9	91	66	E 1	SSE 2	8	7	......
3..	59.64	57.81	23	33	97	67	Calm	S 2	6	7	......
4..	59.77	57.82	23.8	31.4	93	73	Calm	SSE 2	5	6	......
5..	58.76	56.22	24.3	29.6	91	77	Calm	NNW 2	8	10	4.3
6..	58.35	56.54	23.9	30	100	78	Calm	SW 1	10	10	15
7..	57.67	56.37	23.4	27	100	80	NE 1	WNW 2	10	10	4.3
8..	57.57	57.01	24.3	26.4	97	84	Calm	Calm	10	10	6.6
9..	58.31	57.11	24.8	26.6	85	80	Calm	Calm	10	10	2.5
10..	57.66	56.22	23.9	25.6	97	92	Calm	Calm	10	10	14.5
11..	55.84	55.46	23.6	25.2	99	90	Calm	NW 1	10	10	156.5
12..	55.32	54.06	22.4	27.8	100	84	Calm	SW 2	10	10	.5
13..	56	54.96	26	28.4	89	80	SW 2	SSW 3	10	10	......
14..	57.88	56.34	26.7	29.5	87	77	S 2	SE 2	9	9	......
15..	57.96	56.53	25.4	29.3	94	73	Calm	S 2	9	9	......
16..	58.62	56.98	24.3	30.9	97	72	Calm	SSE 2	7	8	10.2
17..	60.11	58.14	23.9	29.4	97	72	Calm	NW 2	10	9	2.5
18..	60.35	58.50	24	32.3	95	69	Calm	S 1	10	8	18.3
19..	59.68	57.94	22.6	30.4	98	70	Calm	NW 2	4	8	11.9
20..	59.14	57.72	22.8	29.8	97	73	Calm	NW 2	4	9	......
21..	59.67	57.27	24	32.9	97	70	Calm	SSE 2	8	8	......
22..	59.42	57.57	23.6	33	95	65	Calm	SSE 2	4	8	......
23..	59.26	57.47	22.8	33.4	95	65	Calm	S 2	4	7	......
24..	58.87	57.74	22.6	29.2	94	79	Calm	SSW 2	4	8	3.6
25..	58.82	57.93	24	27.7	97	93	Calm	S 2	9	10	3.3
26..	59.40	57.83	23	32.8	97	65	Calm	SW 2	7	7	1.3
27..	58.94	57.88	23.4	24.5	95	100	Calm	NW 1	8	10	33.3
28..	58.94	57.73	22.7	28.2	95	80	Calm	NE 2	5	10	1.3
29..	59.12	57.01	22.8	31.4	95	70	Calm	N 2	4	8	5.6
30..	59.44	56.78	23.9	30	96	71	N 1	WSW 2	10	8	12.7
31..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	......
Mean	58.55	57.03	23.9	29.7	94.7	76.2	0.3	1.7	7.7	8.8	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	308.2

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	58.37	56.73	24	31.9	94	70	Calm	SSE 2	7	6	1.3
2..	57.76	55.71	24.6	31.6	97	63	Calm	NW 2	7	8	3.3
3..	57.96	56.27	24.7	30.2	96	79	Calm	S 1	10	7	1.3
4..	58.48	56.82	23.7	32.1	97	72	Calm	S 2	8	7	......
5..	58.57	56.44	23.4	30.9	97	72	Calm	S 1	8	9	.3
6..	58.23	56.86	24	27.4	97	91	Calm	SE 1	8	9	25.9
7..	58.81	57.34	24.2	26.9	97	84	Calm	NW 2	10	10	10.2
8..	58.03	56.17	25.7	30	93	71	S 2	SE 2	10	10	39.9
9..	58.13	56.48	25	29.4	91	78	SE 2	SSW 3	9	10	2.8
10..	58.43	57.03	26.9	30.4	80	69	S 2	SSE 2	10	9	......
11..	59.21	57.88	23.9	28.9	96	74	Calm	Calm	9	10	3.6
12..	60.30	58.43	23.4	30.4	96	62	Calm	NW 2	6	7	.5
13..	59.37	57.67	24.9	25.6	94	95	NNE 1	NNW 2	10	10	92.7
14..	54.38	52.47	24.1	27.9	99	88	NNW 2	SE 3	10	10	10.4
15..	56.93	55.79	25.6	31.9	82	69	SE 2	SE 2	9	8	......
16..	58.57	56.73	25.9	32.7	89	65	SE 1	SE 2	8	5	......
17..	58.98	57.06	22.9	32.8	97	67	Calm	SSE 2	0	4	......
18..	58.32	56.25	22.9	33	97	54	Calm	NW 2	5	6	15
19..	58.40	56.08	24	27.9	100	88	Calm	E 2	10	10	25.9
20..	58.62	57.37	24.9	24.9	98	100	Calm	NE 2	10	10	32.5
21..	59.47	57.60	22	31.2	98	61	Calm	S 1	7	7	......
22..	59.80	57.47	22.2	32.8	97	66	Calm	S 2	4	4	......
23..	59.55	58.02	22.3	32.5	96	65	Calm	SSE 2	4	7	......
24..	59.31	57.87	23	31.6	98	71	Calm	SSE 2	4	7	......
25..	59.64	57.73	22.9	32.3	96	68	Calm	SSF 2	4	7	......
26..	60.60	58.27	23.2	31	97	71	Calm	SSW 1	6	9	1.8
27..	60.30	58.38	22.4	32.2	96	65	Calm	SSW 2	8	5	......
28..	59.66	57.57	23.3	30.1	96	68	Calm	S 1	6	9	......
29..	59.09	57.53	24.4	26.4	92	94	Calm	NW 1	9	10	9.6
30..	58.84	57.20	24.7	25.5	94	95	Calm	NW 1	9	10	29
31..	59.22	57.12	23.8	31.7	98	72	Calm	SSE 2	10	7	.5
Mean	58.75	56.98	24	30.1	95	74.4	0.4	1.7	7.6	8	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	306.5

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.43	57.69	23.4	28.5	97	87	Calm	NE 1	8	9	5.6
2..	59.57	57.58	24	31.8	95	70	Calm	S 2	8	6	.8
3..	58.52	57.25	26.3	29.5	86	72	NE 1	SW 1	10	9	4.8
4..	58.58	57.12	26.8	30.6	78	70	NE 2	NE 1	9	10	3.8
5..	58.60	56.78	24.4	32	90	71	Calm	S 2	6	8	1.8
6..	58.13	56.68	23.3	28.6	97	79	Calm	NE 1	5	10	7.4
7..	59.39	57.25	23.2	30	99	65	Calm	NE 2	10	9	1.3
8..	59.03	56.58	23.4	32.4	96	64	Calm	S 2	10	6	7.6
9..	58.21	56.65	23.5	30.6	96	71	Calm	SSE 2	9	8	......
10..	58.22	56.38	24.3	30.5	94	74	Calm	SSE 2	9	9	1.3
11..	57.56	55.83	24.4	26.8	95	94	N 1	Calm	10	10	33.8
12..	57.87	56.15	23.8	31.5	98	75	Calm	SE 1	9	9	......
13..	57.92	56.54	22.9	29.6	98	76	Calm	NW 2	10	10	11.9
14..	58.10	56.86	25.2	28.4	97	79	Calm	WNW 2	10	10	5.1
15..	57.47	56.12	25.4	25	94	92	NE 1	W 2	10	10	12.2
16..	57.07	55.08	24	28.6	97	76	Calm	SW 2	10	10	62.8
17..	57.06	56.09	24	26.7	100	92	SW 1	S 2	10	10	8.7
18..	58.60	56.93	26.2	31.2	88	73	ESE 2	S 2	7	7	......
19..	58.78	56.95	23.4	31.4	97	72	Calm	SSE 2	7	7	......
20..	59.01	56.23	22.7	32	97	70	Calm	SSE 2	4	6	28.4
21..	58.33	56.02	22.9	30.2	97	66	Calm	NW 2	5	7	.5
22..	58.34	56.74	23.7	29.8	95	71	Calm	NW 2	8	8	3.3
23..	59.11	58.71	24	28.8	97	76	Calm	S 2	10	9	......
24..	59.69	57.77	24.2	30.4	96	59	Calm	N 2	9	7	......
25..	59.68	57.74	21	29.9	91	58	Calm	SW 2	7	7	......
26..	58.85	57.67	21.8	24	95	100	Calm	N 2	10	10	45.5
27..	57.57	56.99	23	26.4	100	96	Calm	SE 2	10	10	7.1
28..	59.34	58.10	21.8	30	96	78	W 1	S 2	9	6	......
29..	59.84	58.44	23.5	26	96	96	Calm	NW 1	8	10	9.9
30..	59.07	57.48	24.9	31.3	92	70	NE 1	S 1	10	8	1.5
31..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	......
Mean	58.56	56.95	23.8	29.4	94.8	76.4	0.3	1.7	8.6	8.5	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	265.1

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.16	57.26	24.3	26.8	96	96	Calm	S 2	9	10	26.2
2..	58.84	58.16	22.4	24.4	96	96	Calm	NW 1	8	10	14.2
3..	57.83	55.42	24.1	25.4	91	93	NE 2	N 2	10	10	24.4
4..	55.44	54.94	25.3	29	83	81	SE 2	S 2	10	9	......
5..	57.28	56.07	23.6	31.6	96	72	Calm	S 2	10	8	.8
6..	58.46	56.79	23.8	31.8	97	69	NE 2	S 2	9	7	......
7..	59.04	57.56	22.8	30.8	97	73	Calm	NE 2	4	10	3.6
8..	59.32	57.34	22.4	29.9	96	76	Calm	SSE 2	9	9	......
9..	58.56	57.80	23	28.7	96	77	Calm	S 2	8	9	......
10..	59.86	57.52	25.8?	29.5	70?	70	NE 2	S 2	9	10	......
11..	59.92	57.92	23.6	31	85	55	NE 1	ENE 2	7	6	......
12..	59.06	57.98	24.8	28.5	87	80	NE 2	SSE 2	10	9	......
13..	58.86	56.44	20.3	32.2	95	68	Calm	S 2	2	5	1.8
14..	58.44	55.82	21	32.4	97	63	Calm	S 2	2	5	......
15..	58.65	57.06	19.2	32.4	97	63	Calm	S 2	1	4	......
16..	59.15	57.80	20.7	30.9	97	70	NE 1	SSE 2	4	8	......
17..	59.67	58.42	21.8	32.9	96	64	Calm	S 2	4	5	......
18..	59.90	58.52	21.4	30.1	95	71	Calm	SW 2	6	6	4.8
19..	60.25	59.96	23.4	25.2	99	98	Calm	Calm	10	10	31.8
20..	61.17	59.87	24.4	29.9	87	73	NE 1	S 1	10	9	.8
21..	61.14	59.28	26.4?	28.6	72?	76	ENE 2	WNW 1	10	10	.8
22..	61.07	60.13	23.8	25	93	95	Calm	SW 1	10	10	17.8
23..	60.92	58.81	22.7	30.2	97	73	Calm	SE 2	10	9	1
24..	59.37	57.83	23.9	30	96	75	Calm	SSW 2	10	10	.3
25..	58.97	57.73	21.5	32.5	98	68	Calm	S 2	4	8	7.4
26..	59.77	58.19	23.9	26.5	97	91	Calm	NW 1	10	10	2.5
27..	59.49	58.17	22.8	32.5	97	71	Calm	SSE 2	7	7	......
28..	59.86	58.30	22.8	27.8	97	88	Calm	Calm	5	10	5.3
29..	60.14	58.43	23.4	27.4	96	87	Calm	N 2	7	9	25.1
30..	60.26	59.37	24.3	24	96	98	N 1	NW 1	10	10	17.5
31..	60.85	59.31	22.5	27.1	96	83	N 1	NW 1	10	10	6.9
Mean	59.38	57.88	23.1	29.2	93.2	77.8	0.5	1.6	7.6	8.5	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	193

GUIUAN

[ϕ=11° 02′ N; λ=125° 44′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.83 mm.]

Day.	JANUARY.											FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.50	59.60	25.4	29.2	91	78	NE 2	NE 2	7	7	9.4	62 33	61.53	22.4	28.6	92	68	Calm	NE 2	6	4	1
2..	60 64	59.89	24.9	29.4	96	79	Calm	NE 3	4	7	1.8	62.24	61.68	24.9	29	79	65	NE 2	NE 3	1	2	16
3 .	61.51	60.53	24.7	29.2	93	77	NE 1	NE 3	7	5	1.3	63.16	62.04	25	28.9	85	65	NE 2	NE 3	5	4	3.6
4 .	61.46	61.03	24.9	28	92	71	NE 1	NE 3	5	4	1	63.06	62.33	25.2	29	83	68	NE 3	NE 3	5	5	2.2
5..	61.80	61.28	24.8	29	90	71	NE 2	NE 3	10	7	28.2	64.26	62.86	25.1	26.1	79	76	NE 3	NE 4	3	9	12.5
6..	63.21	62.67	25	28.9	83	74	NE 3	NE 4	6	7	29.5	64.68	63.10	24.8	28.7	82	70	NE 3	NE 3	5	4	.8
7..	62.71	61.59	24.4	26.3	89	78	NE 4	NE 4	7	9	9.9	64.32	62.89	25.1	29.8	80	67	ENE 2	ENE 3	4	4	4.1
8..	62.30	61.03	24	28.9	93	71	Calm	NE 3	4	3	1	63.61	62.53	25	29.5	84	68	ENE 3	ENE 3	4	3	......
9..	61.01	59.83	22.7	29	96	72	Calm	NE 2	4	6	7.4	63.14	61.93	24.8	29.4	83	68	NE 2	NE 3	2	3	2.5
10..	60.07	59.17	24	27.4	95	76	NE 1	NE 2	9	7	7.4	62.57	61.43	24.7	29	87	69	NE 3	ENE 3	4	4	4.3
11..	59.82	59.18	22.6	28.5	96	75	Calm	NE 2	4	5	......	62.61	61.33	25.2	28.1	87	77	NE 2	NE 3	8	8	2
12..	60.13	59.63	21.6	29	96	64	Calm	ENE 1	4	5	.8	62.42	61.10	24.7	29.9	87	71	ENE 2	NE 3	8	6	3.8
13..	60.67	60.19	22.3	28.5	96	67	Calm	NNE 2	5	4	......	62.12	61.37	24.6	29	87	67	NE 2	ENE 3	5	4	......
14..	62 36	62.08	23.2	28.6	75	63	Calm	ENE 2	3	3	......	61.90	61.30	24	29.4	88	71	ENE 2	ENE 3	9	3	3.1
15..	62.53	61.38	21.5	27.5	93	73	Calm	NE 1	7	4	11.9	61.77	61.03	24.7	29.2	91	76	NNE 3	NE 3	9	6	12.7
16..	62.12	61.18	23.3	28.6	90	66	NE 1	NE 3	7	8	1.5	61.66	60.39	23.1	27.9	96	83	Calm	Calm	3	7	4.8
17..	62.20	62.25	25.4	25.8	82	81	NNE 3	NNE 4	9	10	5.4	60.53	59.01	23	27.1	93	84	Calm	ENE 2	4	7	6.6
18..	63.47	62.43	25	29.5	66	64	NE 4	NE 3	2	3	1.3	60.06	59.21	24.6	28.7	88	74	Calm	NNE 2	6	6	6.7
19..	63.30	62.38	24.4	28.6	80	60	NE 2	NNE 3	4	3	......	61.07	59.64	24.6	26.7	91	90	NE 2	NE 1	9	9	6.9
20..	62.95	61.65	24.8	28.8	74	63	NNE 3	NNE 4	4	3	1	61.10	59.88	24.9	27	84	84	NE 2	NE 3	7	9	9.6
21..	62.49	61.70	25.4	27.6	79	69	NNE 4	NNE 4	9	9	......	60.42	59.03	24.7	29.5	94	77	NE 1	NE 2	7	7	4.8
22..	62.72	61.46	25.1	28.5	82	68	NNE 4	NNE 4	9	7	14	59.71	58.24	24.3	29.6	94	73	Calm	ENE 2	3	4	1.8
23..	61.99	61.11	23.8	25.3	91	91	NNE 3	NNE 3	9	10	17.3	59.65	58.91	24.6	30	92	71	Calm	NE 3	3	6	......
24..	61.11	60.53	24.7	26.5	89	92	NNE 4	NE 3	10	9	31.8	60.81	59.03	25	29.8	80	66	ENE 2	NE 3	3	6	......
25..	61.39	60.19	24.2	28.6	94	78	NE 1	NE 4	6	5	3.3	60.52	59.25	24.4	29	82	63	NE 1	NNE 3	5	4	......
26..	61.64	61.14	25	28.5	76	58	NE 2	NE 3	3	3	......	60.59	60.18	24.9	29.2	72	66	NE 3	NE 3	3	5	......
27..	61.61	60.43	24.7	29	74	64	NE 2	NE 3	2	3	......	61.41	60.50	24.2	29	86	72	Calm	NE 3	9	8	6.9
28..	61.71	60.43	24.6	29.3	68	63	NE 2	NE 3	1	2	......	61.24	60.10	23.2	26.6	92	80	NE 3	NNE 3	9	9	3
29..	61.57	61.02	25	29.2	75	66	NE 3	NE 3	1	3	9.4	.....	.....	....	....	....	....	....	....	....	....	......
30..	61.44	60.52	23	28.6	93	73	ENE 1	NE 2	3	6	15.5	.....	.....	....	....	....	....	....	....	....	....	......
31..	61.87	60.53	25	29	84	71	NE 2	NE 3	4	4	5.6	.....	.....	....	....	....	....	....	....	....	....	......
Mean	61.75	60.90	24.2	28.3	86.2	71.5	1.8	2.9	5.5	5.5	......	61.89	60.78	24.5	28.7	86.4	72.5	1.7	2.7	5.3	5.6	......
Total	.....	.....	....	....	....	....	....	....	....	....	215.7	.....	.....	....	....	....	....	....	....	....	....	119.7

Day.	MARCH.											APRIL.										
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.31	60.05	25.3	28.7	76	69	NE 3	NNE 4	4	9	1	60.39	59.54	23.6	30.2	95	67	Calm	ENE 2	4	3	......
2..	60.27	60.20	24.8	29.7	86	67	NE 2	NE 3	5	3	......	60.36	59.92	22	31	95	62	Calm	ENE 2	5	5	2.8
3..	61.65	60.93	24.7	29.9	79	65	NE 2	NE 3	4	4	......	60.74	59.60	24.5	29.5	91	66	ESE 2	ENE 3	9	6	......
4..	61.81	61.33	25.4	29	76	62	NE 3	NE 4	5	7	......	59.95	59.32	22	30.2	95	62	Calm	E 2	1	3	3.3
5..	62.21	61.25	24.6	29.4	75	57	NE 2	NE 3	3	3	......	61.05	59.53	23.2	30.6	91	66	Calm	ENE 2	9	4	.3
6..	61.98	60.70	21.6	30.5	87	60	Calm	ENE 2	3	6	3	60.82	59.88	24.3	30.8	91	65	Calm	NE 2	4	3	......
7..	61.32	60.42	25	29	79	62	NE 3	NE 4	3	4	......	60.76	58.95	23.1	30	90	67	Calm	ENE 3	6	4	......
8..	61.04	60.14	24	29.1	80	70	NE 2	NE 2	9	5	25.4	58.52	57	26	29	87	78	NE 2	ENE 3	8	9	40.9
9..	61.20	60.59	24.3	29.7	91	70	Calm	E 3	4	7	1.3	57.99	57.33	25	29.1	93	77	ENE 2	SE 3	9	8	.5
10..	61.72	61.02	25	29.5	77	61	ENE 2	NE 3	5	4	......	58.41	57.64	25.5	28.1	93	82	Calm	E 2	3	7	3
11..	61.80	60.48	23.2	29.5	91	64	Calm	NE 3	3	1	4.1	59.07	58.05	25.7	30.5	92	62	Calm	ESE 2	8	4	.5
12..	61.62	60.85	23.5	29.5	91	64	NE 3	ENE 2	10	7	2	59.40	58.29	26	30.8	84	67	E 2	ENE 2	3	4	......
13..	61.55	60.75	23	29.5	92	67	Calm	NE 3	4	3	1	59.20	58.20	25.8	28	82	75	E 1	E 1	3	9	2.8
14..	61.31	60.68	24.7	26.8	90	84	NE 1	NE 2	6	10	23.6	59.20	58.89	25.6	30	91	71	ENE 2	E 2	5	7	1.3
15..	61.32	60.65	24.4	29.5	92	71	NE 2	NE 2	9	5	1.5	60.34	59.42	25.4	30.2	93	70	E 1	ENE 2	4	7	11.9
16..	61.20	60.50	24.8	29.5	87	70	NE 1	NNE 3	5	7	7.1	60.47	59.19	24.5	30.5	92	69	Calm	ENE 3	5	4	.8
17..	61.17	60.90	24.8	29.5	87	64	NE 2	NNE 3	7	3	1	59.60	58.47	25.6	31.2	91	67	ENE 1	E 2	6	4	7.9
18..	61.77	61.20	24	29	91	71	Calm	NE 2	7	5	14.4	59.41	58.99	24.5	30.9	95	67	Calm	ENE 2	7	4	......
19..	62.24	61.62	25	29.3	94	73	ENE 1	NE 3	7	7	1.1	60.25	59.93	25.6	30.5	91	75	Calm	E 2	3	7	5.3
20..	62.34	61.30	25.2	30	86	65	ENE 1	ENE 3	5	5	3	61.25	60.55	26	29	86	71	E 1	NE 3	3	9	1.3
21..	61.32	60.48	23.8	29.8	77	63	Calm	ENE 2	3	4	......	61.28	59.83	25.8	30.2	81	65	NE 2	NE 3	6	6	14.2
22..	61.27	60.05	21.8	30	95	68	Calm	ENE 2	1	4	......	60.20	59.20	24	30.5	95	72	Calm	ENE 2	7	6	1
23..	61.04	60	24.2	28	93	70	ENE 1	ENE 2	7	9	3.6	60.98	59.73	25.5	31	91	65	Calm	E 2	6	4	1.3
24..	60.47	59.84	21.6	28.9	94	62	Calm	E 2	3	4	15.7	60.91	59.93	25.2	30.5	87	68	Calm	NNE 3	1	5	6.1
25..	60.40	59.75	23.6	30.5	95	65	Calm	NE 2	9	4	.5	60.70	59.50	25.3	30	93	70	Calm	ENE 2	7	4	6.9
26..	60.87	59.22	25.1	29.5	83	75	NNE 2	NE 3	6	4	3.8	60.40	59.02	24	30.5	95	68	Calm	ENE 2	6	7	......
27..	60.01	59.20	25.2	29.1	85	72	ENE 2	NE 3	3	4	7.4	59.75	58.35	24	30.5	93	65	Calm	ENE 2	7	9	.8
28..	59.95	59.45	25.5	30.1	90	73	NE 2	ENE 3	7	5	3.6	59.06	58.40	25.2	29.5	90	74	Calm	ESE 2	9	9	32
29..	60.19	59.37	24.9	28.7	87	71	ENE 1	NE 3	6	7	1.5	59.04	59.60	24	25	96	92	E 1	ENE 1	8	10	48.5
30..	59.95	58.61	25.6	29.7	84	71	ENE 2	ENE 2	4	5	.8	59.87	59.05	22	30	96	69	Calm	ENE 2	3	4	......
31..	59.43	58.69	24.6	29	90	72	E 1	ENE 2	7	7	6.4	.....	.....	....	....	....	....	....	....	....	....	......
Mean	61.12	60.33	24.3	29.4	86.5	67.7	1.3	2.7	5.3	5.2	......	59.98	59.04	24.6	29.9	91.2	69.8	0.6	2.2	5.5	5.8	......
Total	.....	.....	....	....	....	....	....	....	....	....	132.8	.....	.....	....	....	....	....	....	....	....	....	193.4

GUIUAN

[ϕ=11° 02′ N ; λ=125° 44′ E ; barometer above sea, 4.5 meters ; gravity correction not applied, —1.83 mm.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.92	58.50	23.8	31	95	69	Calm	E 2	8	4	0.8
2..	59.99	58.40	24.2	31.3	94	68	Calm	ENE 2	4	5	......
3..	59.15	58.53	25.8	30.8	85	71	ENE 2	ENE 3	4	7	7.6
4..	59.10	58.63	26	30.5	87	75	ENE 2	ENE 3	5	5	10.4
5..	60	59.68	25.4	31	93	72	ENE 1	ENE 2	7	5	16.8
6..	59.98	58.80	25.4	31.1	94	69	ENE 1	ENE 3	4	3	3.3
7..	59.38	58.50	25.4	31	91	69	Calm	ENE 2	3	4	1.3
8..	58.99	58.44	24.5	31.1	93	67	Calm	ENE 2	4	4	.5
9..	59.56	58.79	24.3	30	93	78	Calm	NE 1	3	5	1.5
10..	59.03	58.29	24.3	31.1	94	66	Calm	ENE 2	3	4	.5
11..	58.18	57.34	24.7	30.5	92	70	Calm	SE 2	3	3	......
12..	58.64	57.54	24.7	30.5	94	72	Calm	SE 2	8	4	1.3
13..	58.69	57.48	24.3	31.8	90	67	Calm	ESE 2	5	4	......
14..	58.42	57.43	24.5	31.5	96	69	Calm	E 2	4	5	......
15..	57.79	56.53	24.5	31.1	95	71	Calm	S 1	9	6	......
16..	57.53	56.42	24.7	30.4	94	77	Calm	SE 2	5	6	1.3
17..	57.69	56.39	25	30.5	96	75	Calm	SSE 2	4	4	......
18..	57.71	56.40	26.4	31.3	95	71	SE 1	SE 2	9	4	......
19..	58.60	57.18	27.4	31	92	75	SSE 2	SSE 2	3	2	7.1
20..	59.31	58	26	30	88	75	Calm	SE 2	7	3	1
21..	59.90	58.82	25.4	31.1	96	69	Calm	ESE 2	3	4	......
22..	59.34	57.95	24.5	30.5	96	72	Calm	ESE 2	3	5	24.9
23..	59.51	57.87	25.4	29.5	95	76	ESE 2	SE 2	9	5	1
24..	59.07	58.11	24.9	30.4	93	72	Calm	SE 2	6	4	......
25..	59.23	58.18	23.6	30.2	95	68	Calm	SE 1	6	5	......
26..	58.57	57.36	25	30.4	92	67	SE 1	SSE 2	5	4	......
27..	57.65	56.24	25.8	30.5	93	68	SSE 2	SSE 2	6	1	......
28..	57.30	56.34	26.6	30.5	92	72	SSE 2	SSE 2	7	3	......
29..	57.20	56.96	26.5	31.6	88	68	SE 1	E 3	6	6	10.2
30..	58.24	57.30	24.2	30.1	94	77	ESE 1	E 1	10	9	50.2
31..	59.22	58.31	24.8	31.8	94	67	Calm	ENE 2	7	4	3
Mean	58.80	57.76	25.1	30.8	92.9	71	0.6	2	5.5	4.4	......
Total	.....	.....	....	....	....	....	....	....	....	....	142.7

JUNE.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	58.85	58.22	25.8	31.3	94	70	Calm	E 2	7	6	......
2..	57.96	56.96	25.1	31.6	92	65	Calm	ENE 2	3	4	3.3
3..	57.32	56.39	25.1	31.2	92	71	Calm	ENE 1	9	8	25.7
4..	57.66	56.53	25.4	31.6	94	68	Calm	ENE 2	4	5	1.3
5..	58.02	57.87	25.1	26.2	96	93	Calm	E 1	7	10	12.2
6..	58.30	57.91	25.2	27.1	97	87	Calm	ENE 1	8	9	52.3
7..	58.96	57.34	25.1	27.7	94	82	Calm	N 1	9	9	98.3
8..	55.69	54.18	25	25.1	94	94	NW 3	W 6	10	10	87.3
9..	56.35	55.95	27.2	29.2	90	76	SSW 4	S 4	10	9	......
10..	56.95	56.70	27	30.1	85	74	SSE 3	SSE 3	10	9	......
11..	57.56	56.88	27.4	30.2	86	71	S 2	S 3	9	7	......
12..	57.76	56.81	27.5	30.4	87	78	SSE 2	SE 3	9	2	......
13..	58.41	57.54	27.5	30.5	88	76	SSE 2	SSE 2	9	3	......
14..	58.50	57.66	27.5	30.4	87	74	SSE 2	S 2	1	1	......
15..	58.88	57.41	27.6	30.4	87	72	S 1	S 2	4	2	......
16..	59.05	57.83	27.5	30.2	91	77	SSE 2	S 2	3	3	......
17..	59.33	57.40	27	30	86	77	S 2	SE 1	7	9	......
18..	58.21	56.87	24.9	29.5	95	79	Calm	SSW 2	7	9	.8
19..	57.17	56.23	26.2	29	92	78	WSW 1	NW 1	9	9	21.1
20..	57.35	56.70	26.3	29.3	90	79	WSW 2	SW 2	5	3	......
21..	58.46	57.50	26.7	30	90	75	SSW 1	SSW 3	3	3	......
22..	59.53	58.20	25.3	30.2	90	75	Calm	SSW 3	7	4	......
23..	58.39	57.74	26.7	30.5	89	74	SSW 1	S 2	6	7	.8
24..	58.22	57.68	26.5	27.5	91	84	Calm	SW 2	5	10	10.4
25..	57.49	56.26	26.7	27.1	86	81	WSW 3	WSW 2	10	10	2
26..	56.93	56.43	26	29	89	76	SW 2	SW 3	9	10	20.3
27..	58.15	57.59	27.4	30.5	81	71	SSE 2	SE 2	6	1	1
28..	59.32	57.98	25.2	31.5	94	66	Calm	N 1	7	3	......
29..	58.91	56.93	25.4	31.7	92	66	Calm	N 2	4	4	......
30..	56.09	55.14	26.4	28.5	89	79	WNW 1	WNW 1	9	10	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	57.99	57.03	26.3	29.6	90.3	76.3	1.2	2.1	6.9	6.3	......
Total	.....	.....	....	....	....	....	....	....	....	....	336.8

JULY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	54.67	53.97	26.8	28	86	81	SW 3	WSW 4	10	10	......
2..	56.23	57.31	27.7	28.7	79	77	SSW 4	SSW 4	10	8	......
3..	60.29	59.40	24.5	29.1	92	78	Calm	SE 2	10	9	......
4..	60.22	59.01	24.7	31.1	96	65	Calm	NNE 2	5	4	6.9
5..	59.56	58.30	24	30.2	94	64	Calm	N 2	9	7	......
6..	59.42	58.95	25	29	92	80	Calm	SSW 1	9	9	......
7..	60.33	59.67	27	30.5	85	68	SSW 2	SSE 1	3	3	......
8..	60.40	59.32	24.6	31.4	96	68	Calm	NE 2	3	4	1.5
9..	59.49	58.17	24.5	31.6	96	68	Calm	NE 2	4	4	2.8
10..	59.34	57.89	25.4	30.5	93	70	NE 2	SE 2	9	5	4.3
11..	58.98	58.05	24.5	30.1	96	75	Calm	SSE 2	3	6	.8
12..	59.70	58.68	24.5	31.8	92	67	Calm	E 1	1	5	......
13..	58.97	58.75	25.6	28	95	86	Calm	SE 3	8	10	19:3
14..	59.08	57.66	25	30.5	93	71	Calm	S 1	4	4	10.2
15..	58.57	57.10	27	30.2	88	68	SW 2	S 1	5	1	......
16..	58.29	56.96	25	30.4	95	71	Calm	S 2	4	5	......
17..	58.14	57.57	27	30.3	88	73	SW 1	WSW 2	3	7	5.8
18..	57.84	57.20	24.3	29.4	91	70	Calm	N 1	6	9	8.9
19..	57.18	56.06	24	28	95	81	Calm	NNW 3	10	10	19.6
20..	56.19	56.02	24.8	26.8	96	93	ENE 2	WNW 1	10	9	12.9
21..	56.14	55.48	24.2	29.2	97	76	Calm	SW 2	6	6	2.3
22..	56.50	55.33	26.7	29.5	88	72	W . 2	SW 2	8	9	19.8
23..	56.31	55.88	26.6	29	86	81	WSW 2	SW 4	9	9	3.6
24..	57.01	55.94	24.9	29.8	94	73	Calm	SE 2	10	4	......
25..	57.33	55.98	24	31.2	92	68	Calm	WSW 3	7	6	8.6
26..	55.60	53.77	27.8	28.1	83	82	WSW 3	SW 4	10	10	4.6
27..	53.97	53.91	26.8	27.3	83	83	SW 5	SW 5	10	10	4
28..	55.07	54.89	26.9	29	78	71	SW 5	SW 6	10	10	......
29..	54.86	53.92	27.8	29.6	75	75	SSW 5	SSW 4	9	10	......
30..	54.48	53.23	28.2	30.1	76	71	SSW 4	SW 4	10	9	......
31..	54.89	54.07	28	30.1	77	76	SSW 4	SSW 4	3	5	......
Mean	57.58	56.72	25.7	29.6	89.3	74.3	1.5	2.5	7	7	......
Total	.....	.....	....	....	....	....	....	....	....	....	135.9

AUGUST.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	55.98	54.33	28.1	31.5	83	65	SSW 4	SW 4	9	4	......
2..	56.23	55.83	28.1	29	79	78	SSW 4	SSW 4	10	10	......
3..	56.59	55.19	27.6	27.7	79	79	SW 3	WSW 3	10	10	1
4..	55.99	55.60	27.6	28	79	79	SW 4	SW 4	10	10	6.6
5..	56.89	55.94	27.5	29.3	80	80	SSW 4	SSW 4	9	10	......
6..	56.99	55.22	28.1	29.9	84	80	SSW 5	SSW 4	10	9	......
7..	54.99	53.48	28	30	78	79	S 5	SSW 5	4	5	......
8..	54.20	54.05	28.4	30	75	71	SSW 5	SW 5	3	8	......
9..	54.36	54.02	28.2	31.2	83	68	SSW 5	SW 5	4	8	......
10..	54.60	53.98	28.4	30.2	75	70	SW 6	SW 5	10	10	......
11..	54.78	53.45	28.1	30.3	79	64	SSW 6	SW 6	10	10	......
12..	54.80	54.25	28.3	30.2	77	77	SW 6	SSW 5	8	9	......
13..	56.43	55.80	28.1	30	80	75	SSW 5	S 4	10	5	2
14..	57.97	56.40	27	30	82	82	SSW 4	SSW 4	8	7	......
15..	58.41	57.09	27.9	30.3	80	77	S 3	S 4	6	3	......
16..	58.95	57.75	26.8	30	90	77	Calm	SSW 3	9	7	......
17..	58.31	56.98	26.7	31.6	90	66	WSW 2	WSW 3	1	5	......
18..	57.28	55.28	27.4	29.8	83	73	WSW 3	W 4	9	10	......
19..	54.71	54.43	27.7	28.6	80	78	WSW 5	WSW 5	10	10	4.3
20..	55.78	55.88	27.7	29.1	77	77	SW 6	SSW 6	10	9	......
21..	58.63	57.89	27.6	30.5	82	70	SSE 3	SSW 2	4	2	......
22..	58.56	56.78	24.1	31	96	69	Calm	S 2	1	3	......
23..	57.10	55.70	27.2	32	85	66	W 3	WSW 4	7	8	......
24..	56.54	55.45	28	30	79	78	SW 4	SSW 4	9	7	......
25..	56.85	56.09	27.9	30.2	84	75	SSW 4	SSW 4	6	4	......
26..	58.30	58.04	27.6	30.5	88	76	SSE 3	SSE 3	4	4	......
27..	59.26	57.30	24.8	30.2	96	75	Calm	SW 3	9	9	2.5
28..	56.76	56.10	25.5	30.1	94	69	WSW 3	W 2	6	10	.5
29..	55.12	54.90	27	27.2	84	83	W 4	WSW 4	10	10	.8
30..	56.15	56.13	27.2	29.4	77	77	SW 4	SSW 4	9	8	......
31..	57.46	55.99	27	29.3	83	75	SSW 4	S 4	9	8	......
Mean	56.61	55.66	27.4	29.9	82.6	74.5	3.8	4	7.5	7.5	......
Total	.....	.....	....	....	....	....	....	....	....	....	17.7

GUIUAN

[ϕ=11° 02′ N; λ=125° 44′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.83 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	57.67	56.59	27.2	30.1	90	75	S 3	S 3	8	5	......
2..	58.51	58.09	27.4	30.5	89	75	SSE 3	SE 2	7	5	......
3..	59.62	58.45	24.2	30	97	73	Calm	SE 3	5	3	......
4..	59.70	58.01	24	31.8	96	63	Calm	N 2	1	5	......
5..	58.47	56.70	26.1	30.1	90	71	NW 1	NNW 3	9	7	39.1
6..	57.81	56.66	24.5	27.5	96	82	WNW 2	Calm	9	10	38.9
7..	57.76	56.15	23.4	27.5	94	81	NW 1	W 3	10	10	9.7
8..	56.95	56.53	26	28	85	79	Calm	W 2	10	10	6.4
9..	58.10	56.40	25.8	27.2	85	81	WSW 3	WSW 3	10	10	11.9
10..	56.93	56.02	25.4	26.2	91	85	WSW 2	WSW 2	10	10	6.9
11..	55.12	54.77	25.4	25.4	85	87	W 3	W 4	10	10	15.2
12..	54.17	52.99	25.2	28	83	74	WSW 4	SW 5	10	10	......
13..	54.92	54.33	26.6	29	80	74	SW 5	SW 5	10	9	......
14..	57.27	56.15	26.9	29.6	82	76	S 3	SSW 3	9	3	......
15..	57.72	56.40	26.9	30	85	75	SSW 2	SSW 3	7	7	16.8
16..	58.30	56.95	25.1	30	95	76	Calm	SSW 2	5	4	52.1
17..	59.90	58.22	24.5	29.3	92	79	SW 2	SW 2	10	7	43.5
18..	60.16	58.89	24.2	29	97	78	Calm	NNE 2	9	5	1.3
19..	59.94	58.37	25	30	92	71	Calm	NE 2	3	5	1
20..	59.11	57.78	24.5	30.4	96	72	Calm	NE 2	4	5	46.9
21..	59.65	58.12	24.9	30.6	89	68	Calm	NE 1	7	3	23.4
22..	59.97	58.49	24.4	30.2	97	75	Calm	NE 2	9	6	2
23..	59.12	58.18	26	29.8	85	74	NE 2	NE 3	4	6	......
24..	58.62	58.08	25.9	29	89	81	NE 2	NE 2	6	7	23.8
25..	58.76	58.08	25.9	29.2	96	81	Calm	NE 2	8	9	13.4
26..	59.33	58.37	25.6	30.5	93	72	Calm	NE 3	6	4	2
27..	58.94	58.10	24.5	30.1	96	71	Calm	NE 2	4	6	4.8
28..	59.04	57.75	24	30.5	95	68	NE 1	NE 2	4	4	......
29..	58.98	57.49	25	29.5	92	75	Calm	NE 2	6	6	4.3
30..	59.07	56.95	24.4	30.2	93	71	Calm	NNE 2	4	4	......
31..	.....	.....	.....	.....	....	....	....	....	....	....	......
Mean	58.32	57.14	25.3	29.3	90.8	75.4	1.3	2.5	7.1	6.5	......
Total	.....	.....	.....	.....	.....	....	....	....	....	....	363.4

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	58.21	56.55	23.6	29.8	95	73	Calm	WSW 2	4	4	1.8
2..	57.44	55.97	24.5	29.5	92	75	Calm	Calm	6	9	1.3
3..	57.63	56.09	24.5	29.3	93	77	Calm	SW 3	6	6	......
4..	57.97	56.50	24.1	30	94	77	Calm	SSW 3	7	6	11.7
5..	58.28	56.12	24.5	30	96	74	Calm	SSW 2	9	7	1.3
6..	57.82	56.82	23.7	27	96	90	Calm	SSE 1	4	7	20.1
7..	58.29	57.35	25.2	28.1	96	81	WSW	Calm	9	9	22.9
8..	57.67	56.39	26.2	29.4	92	80	WSW 2	SW 4	5	4	......
9..	57.61	56.74	26.3	28.5	86	78	SW 4	WSW 2	9	7	8.9
10..	58.20	56.98	26.8	29.8	86	74	SSW 3	SSW 3	9	4	......
11..	58.96	58.59	25.2	25.2	96	86	Calm	SSW 2	10	10	41.4
12..	60.02	58.63	24	28.5	95	78	Calm	N 3	7	9	23.1
13..	58.78	56.82	25	26.2	95	90	NNW 2	N 3	9	10	82.6
14..	53.14	54.20	26.2	29.2	93	78	ENE 6	ESE 5	10	9	10.1
15..	56.83	55.69	26.5	29.5	88	75	SSE 3	S 3	6	4	......
16..	58.19	56.78	27	30.5	84	68	S 2	S 2	2	1	......
17..	58.89	56.97	24	30.8	96	68	Calm	S 1	1	1	......
18..	57.84	55.80	24.1	30.1	97	73	Calm	S 2	4	6	15.5
19..	57.82	55.98	26.2	29.8	90	74	WSW 2	S 1	4	6	35.3
20..	57.87	57.13	24.9	29.1	96	72	NW 1	NW 2	9	9	.8
21..	59.02	57.92	25.4	29.7	85	67	Calm	NNE 3	9	5	......
22..	59.49	58.14	24.7	30.7	91	68	Calm	NNE 2	5	4	......
23..	59.24	58.22	24.5	30.7	93	70	Calm	ENE 2	7	3	1
24..	59.34	58.20	24	28	95	85	Calm	E 2	3	5	17.8
25..	59.56	58.22	24.6	29.1	96	81	Calm	SE 2	4	6	1.8
26..	60.26	58.62	23.5	30.1	92	72	Calm	NE 2	6	5	3.6
27..	60.19	58.70	24.2	31	95	69	Calm	ENE 2	5	1	3.7
28..	59.49	58.08	24.5	29.4	92	76	NE 2	NE 2	9	9	15.8
29..	59.02	57.56	25.6	28.1	95	85	Calm	NE 1	6	9	53.4
30..	59.09	57.59	24.4	28.2	96	80	E 2	E 2	9	9	21.8
31..	59.12	57.74	24.5	29.1	96	78	Calm	ENE 1	9	8	2.5
Mean	58.43	57.13	24.9	29.2	93	76.5	1	2.1	6.5	6.2	......
Total	.....	.....	.....	.....	.....	....	....	....	....	....	398.2

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.33	58.13	24.5	30.7	96	75	Calm	ENE 2	8	7	3.3
2..	59.50	58.07	24	30.5	93	72	Calm	NE 2	6	7	7.6
3..	59.20	57.70	26	30.4	95	74	ENE 2	ENE 3	6	8	5.1
4..	58.83	57.38	26.4	30.6	90	78	NE 2	NE 3	6	9	15
5..	58.57	57.24	25.8	30	90	75	ENE 2	ENE 2	7	7	4.3
6..	58.19	56.79	25	28.7	92	79	Calm	Calm	5	5	23.2
7..	59.52	57.82	23.2	28	92	81	ENE 2	NE 2	10	9	54.1
8..	58.38	56.96	25.7	30.4	90	66	SE 3	ENE 1	9	6	30.5
9..	58.12	56.95	23.1	29	96	76	Calm	SSW 2	9	4	......
10..	57.89	56.18	26.6	29.9	86	75	SSW 2	SSW 3	7	4	......
11..	57.27	55.27	26.8	30	88	73	WSW 2	WSW 3	9	8	......
12..	57.35	56.30	26.2	29.6	86	77	WSW 2	SSW 1	7	9	5.6
13..	57.50	56.30	25.9	28.5	88	78	WSW 2	WSW 3	10	10	......
14..	57.26	56.36	27	28.7	86	83	SW 4	SW 4	10	9	.8
15..	56.87	54.95	27	28	81	81	SSW 4	SSW 5	9	10	1.3
16..	56.05	55	26.6	27.2	87	84	S 5	S 6	10	10	20.1
17..	56.36	56.80	26.6	27.2	88	87	S 3	SSE 3	10	10	1.8
18..	58.75	57.30	26	30	92	78	SE 1	SE 2	3	4	......
19..	58.53	57.36	23.5	30.4	96	72	Calm	S 2	3	3	......
20..	58.94	57.03	24	30	95	75	Calm	NE 1	4	4	4.3
21..	57.73	56.10	23.4	30.2	97	74	Calm	W 2	6	8	......
22..	57.51	56.53	26.6	29.7	83	75	WSW 3	W 2	6	8	113
23..	58.73	58.76	24.3	27.6	93	73	NW 2	NNW 3	10	9	......
24..	59.31	58.19	24.4	28.1	86	75	NNW 2	N 4	6	4	1.3
25..	59.36	58.06	23.6	28	90	71	N 1	N 3	7	9	15.7
26..	58.86	57.19	23.9	24.4	93	91	N 2	NNE 1	10	10	103.7
27..	57.49	57.44	24.4	28.5	91	76	ENE 2	ESE 3	7	9	1.8
28..	59.39	58.71	24.6	28.5	95	83	NE 1	ENE 2	9	4	14.7
29..	59.51	58.21	25.4	25.9	92	85	NE 2	NE 2	4	10	15.3
30..	59.25	58.05	25	29.9	92	75	NE 1	ENE 2	9	7	26.7
31..	.....	.....	.....	.....	....	....	....	....	....	....	......
Mean	58.32	57.10	25.2	29	90.6	77.2	1.7	2.5	7.4	7.4	......
Total	.....	.....	.....	.....	.....	....	....	....	....	....	469.2

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	58.80	57.43	25.4	29.5	94	79	NE 1	NE 3	9	6	24.4
2..	58.68	57.86	25.4	25.9	88	86	NE 2	NE 2	5	9	30.8
3..	57.53	55.40	24.9	26	88	88	NE 2	NE 3	10	10	80.8
4..	55.86	55.88	25.1	26.1	95	89	ENE 3	E 3	9	10	19.6
5..	57.22	56.48	25.8	27.5	93	88	SE 4	SE 3	9	10	6.4
6..	58.06	57	24.3	30	96	77	Calm	SE 2	7	3	......
7..	58.92	57.55	24	28.8	95	79	Calm	Calm	6	4	1.3
8..	58.92	57.85	24	30	97	71	Calm	NNE 2	7	5	6.9
9..	58.36	58.12	24.5	29	96	73	Calm	NE 3	9	7	4.3
10..	59.89	58.45	25.6	29.5	79	72	NE 2	ENE 3	6	9	2.5
11..	59.65	58.43	26	30.5	84	68	ENE 3	ENE 3	6	4	2.5
12..	59.39	57.87	25	27	92	86	NE 2	ESE 2	9	8	11.2
13..	58.69	56.99	23	30	96	72	Calm	ENE 2	4	4	.8
14..	58.15	56.45	21.5	30	96	64	Calm	ESE 2	1	1	......
15..	58.30	57.51	22.1	30	96	71	Calm	ENE 2	1	4	8.9
16..	58.90	58.13	23.7	29.8	97	72	Calm	NE 2	5	3	5.8
17..	59.59	58.94	22.2	29.5	96	72	Calm	ENE 2	1	4	10.9
18..	59.89	59.08	24	28.5	96	75	Calm	E 3	1	4	33.5
19..	60	59.54	25	29.4	94	75	NE 3	ENE 2	9	9	19.6
20..	61	60.40	25	28.6	87	73	NE 2	NE 3	9	9	3
21..	61.03	59.63	26.4	28.8	81	73	NE 3	NE 4	10	7	45.5
22..	60.92	60.67	24.2	25.2	94	92	NE 2	ENE 3	9	10	55.7
23..	60.86	59.53	24.9	29.4	87	73	NE 1	NE 3	6	5	9.9
24..	59.49	58.40	25.5	27.5	88	84	NE 2	NE 2	9	10	.8
25..	58.88	58.05	24.5	29.5	96	76	Calm	NNE 2	7	5	36.8
26..	59.67	58.28	25	28.5	96	79	NNE 2	ENE 1	9	8	14
27..	59.43	58.87	24.2	30	95	75	Calm	S 1	7	5	5.3
28..	59.97	58.79	24.4	29.8	97	69	Calm	ENE 3	5	3	3
29..	59.90	58.80	25.8	27.2	89	85	ENE 2	NE 3	3	5	15.5
30..	59.84	59.58	25.1	28.1	90	80	NE 2	NNE 4	6	9	76
31..	60.94	60	23.9	24.7	92	91	NNE 4	NE 4	9	10	126.8
Mean	59.25	58.26	24.5	28.5	92.3	77.6	1.4	2.5	6.5	6.5	......
Total	.....	.....	.....	.....	.....	....	....	....	....	....	662.5

BORONGAN

[φ=11° 37′ N; λ=125° 26′ E; barometer above sea, 10 meters; gravity correction not applied, —1.81 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	61.37	60.16	24.5	28.2	95	83	Calm	NE 3	8	8	48
2..	61.12	60.21	24.7	29	98	76	Calm	E 3	6	5	1.5
3..	62.02	60.76	23.6	29.1	99	79	Calm	E 3	10	5	2.3
4..	62	61.30	23.4	29.1	97	74	Calm	E 3	6	6	7.6
5..	62.58	61.96	23.5	28.5	99	70	Calm	E 3	8	7	21.8
6..	64.07	63.12	24	29	95	76	Calm	E 3	7	6	5.6
7..	63.29	61.93	24.5	27.7	92	81	NE 3	NE 3	9	8	23.1
8..	62.93	61.25	23.6	28.4	95	74	Calm	E 3	6	5	3.5
9..	61.45	60.12	22.6	28.5	99	75	Calm	E 3	6	6	1.3
10..	60.28	59.35	23.5	27.7	97	83	Calm	E 2	10	9	13.7
11..	60.13	59.23	23.5	29	98	76	Calm	E 3	10	5	2.8
12..	60.59	59.61	22.8	28.5	98	74	Calm	E 3	5	5	......
13..	61.13	60.55	21	28.9	98	68	Calm	E 3	5	5	......
14..	63.08	62.52	19.4	28.5	97	62	Calm	E 3	5	5	......
15..	63.10	61.70	19.4	28.8	97	65	Calm	E 3	5	2	5.8
16..	63.07	61.73	22	28.4	97	69	Calm	NE 3	10	7	6.4
17..	63.17	62.63	23	27.9	92	73	Calm	NE 3	6	9	......
18..	64.02	63.16	25.5	28.4	72	64	NE 3	NE 3	5	5	......
19..	64.10	63.06	21.2	28.5	98	60	Calm	NE 3	5	5	.8
20..	63.77	62.18	24.1	28	86	67	NE 4	NE 4	9	6	1.8
21..	63.46	62.11	26	27.3	74	71	NE 3	NE 3	10	5	2
22..	63.39	62.07	25	27.5	83	73	NE 3	NE 3	5	8	6.6
23..	62.64	61.44	23.6	27.3	95	75	Calm	NE 3	8	10	12.7
24..	61.84	60.86	24.3	27.4	93	84	NE 2	ENE 3	10	10	39.1
25..	61.90	60.78	25	27.9	92	81	ENE 3	ENE 3	8	6	5.3
26..	62.08	61.53	25.2	28	78	59	ENE 3	ENE 3	5	3	......
27..	62.19	60.88	20.3	27.2	97	76	Calm	ENE 3	3	6	......
28..	62.22	60.91	25	28.9	72	63	ENE 3	ENE 3	8	5	......
29..	62.17	61.55	25.7	28.9	71	65	ENE 3	ENE 3	5	5	......
30..	62.03	60.82	26	28.9	77	71	E 2	E 3	6	5	6.4
31..	62.21	60.82	25.1	29	87	72	E 3	ENE 3	5	5	2.5
Mean	62.37	61.30	23.6	28.3	90.9	72.2	1.1	3	6.9	6	......
Total	.....	.....	....	.....	....	....	....	....	....	....	220.6

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	62.75	61.88	23	29	98	67	Calm	ENE 3	10	5	3.3
2..	63.13	62.16	22	27.2	97	68	Calm	ENE 3	5	5	.8
3..	63.68	62.51	25.5	28.6	84	64	ENE 3	ENE 3	5	5	......
4..	63.87	62.86	22.4	28	96	74	Calm	NE 3	5	6	6.1
5..	64.89	63.33	25.5	27.1	80	76	NE 3	NE 3	5	10	23.2
6..	65.71	63.52	24.9	25.8	80	82	NE 3	NE 3	8	8	11.4
7..	65.18	63.36	26	28.9	80	68	E 3	E 3	8	7	9.9
8..	64.33	63.01	24.5	28.4	87	75	E 3	ENE 3	10	8	1.6
9..	63.67	62.53	25.7	26.6	81	80	ENE 3	ENE 3	6	5	5.6
10..	63.09	61.76	25.2	28.6	83	73	ENE 3	ENE 3	8	7	6.6
11..	63.32	61.84	23.2	27.6	98	80	Calm	ENE 3	8	8	10.7
12..	63.04	61.47	23.5	29.1	96	74	Calm	ENE 3	9	5	.8
13..	62.28	61.62	26.2	28.5	76	68	E 3	E 3	5	5	......
14..	62.67	61.66	21	29	97	74	Calm	ENE 3	5	5	2.8
15..	62.67	61.61	24.6	26.2	95	92	Calm	Calm	10	10	33.8
16..	61.97	60.31	23.5	29	98	79	Calm	E 3	5	5	10.9
17..	60.85	59.18	22.8	27.3	97	84	Calm	E 3	5	8	2.3
18..	60.34	59.48	23.5	28	98	79	Calm	NE 3	10	5	1.6
19..	61.37	60.13	24.2	27	97	84	Calm	NE 3	8	7	20.1
20..	61.88	60.13	24	25.4	97	93	Calm	NE 3	10	10	36.6
21..	60.85	59.36	22.6	29.5	98	75	Calm	E 3	9	5	3.3
22..	59.80	58.51	23.4	29.2	98	76	Calm	E 3	6	5	18.3
23..	60.10	59.13	24.5	29.3	96	76	Calm	E 3	7	6	......
24..	61.03	59.37	26	29.4	78	68	E 3	E 3	6	5	2.3
25..	60.70	59.53	21.9	28.6	97	65	Calm	NE 3	6	5	......
26..	61.21	60.67	20.1	29.2	99	67	Calm	NE 3	5	6	......
27..	61.79	60.88	26.5	27.6	76	76	NE 3	NE 3	7	8	5.5
28..	61.62	60.43	25.6	27.3	79	78	NE 3	NE 3	9	10	......
29..	.....	.....	.....	.....	....	....	....	....	....	....	......
30..	.....	.....	.....	.....	....	....	....	....	....	....	......
31..	.....	.....	.....	.....	....	....	....	....	....	....	......
Mean	62.42	61.15	24	28	90.6	75.5	1.2	2.9	7.1	6.6	......
Total	.....	.....	....	.....	....	....	....	....	....	....	217.5

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.96	60.41	25.9	28.6	77	72	NE 3	N 3	9	5	2.3
2..	60.60	60.60	23.2	28.4	98	72	Calm	NE 3	9	5	......
3..	62.08	61.13	21.1	28.7	99	69	Calm	NE 3	5	5	......
4..	62.41	61.62	25.9	29	73	63	NE 3	NE 3	6	5	2.5
5..	62.88	61.50	22.2	29.4	98	64	Calm	ENE 3	5	5	......
6..	62.49	60.83	19.8	29	98	68	Calm	ENE 3	5	5	......
7..	61.83	60.75	25.5	28.1	78	66	NE 3	NE 3	5	6	......
8..	61.45	60.36	22.2	29	96	69	Calm	E 3	3	5	9.1
9..	61.35	60.97	24.5	26	94	89	Calm	Calm	9	9	31
10..	62.34	61.27	22.5	28.7	99	69	Calm	ENE 3	9	5	9.1
11..	62.30	60.88	22.9	26	99	88	Calm	Calm	9	10	6.3
12..	62.03	61.16	25	28.8	88	69	ENE 3	ENE 3	10	5	2.3
13..	61.95	60.93	22.1	29.6	99	70	Calm	ENE 3	8	4	.5
14..	61.79	61.38	22.5	26.1	99	82	Calm	ENE 3	8	10	19.8
15..	61.99	61.11	23.5	27.9	98	79	Calm	NE 3	10	5	3.8
16..	61.73	60.91	20.4	29.5	99	72	Calm	NE 3	5	6	10.7
17..	61.85	61.16	23	28.4	97	73	Calm	NE 3	8	7	5.1
18..	62.34	61.61	23.1	29.6	99	73	Calm	NE 3	9	5	14.7
19..	62.58	61.87	25	29	91	78	Calm	E 3	7	5	3.8
20..	62.79	61.38	26	29	84	71	E 2	E 3	5	8	......
21..	61.64	60.71	21.5	29.1	98	66	Calm	E 3	5	5	4.1
22..	61.70	60.16	21.9	28.9	97	73	Calm	E 3	8	5	.3
23..	61.35	60.21	22.6	26.9	99	89	Calm	Calm	7	10	3.3
24..	60.95	59.82	21.7	29.3	99	60	Calm	ENE 3	8	4	4.1
25..	61.15	59.85	23	29.8	99	71	ESE 3	ESE 3	10	5	2.8
26..	61.56	59.64	21.6	27.6	98	83	Calm	E 3	6	8	3.3
27..	60.27	59.44	23	28.8	97	78	Calm	E 3	5	5	11.9
28..	60.55	59.63	24.7	27.2	98	87	Calm	ENE 3	8	10	11.2
29..	60.74	59.60	23.1	28.5	99	75	Calm	ENE 3	5	5	6.6
30..	60.28	58.69	24	29.8	97	73	Calm	ENE 3	8	5	10.2
31..	59.40	58.88	25.6	28	93	77	E 3	E 3	6	6	......
Mean	61.59	60.60	23.2	28.5	94.7	73.8	0.6	2.7	7.1	6.1	......
Total	.....	.....	....	.....	....	....	....	....	....	....	178.8

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.75	59.67	21.9	29.6	98	69	Calm	E 3	5	5	......
2..	60.90	60.17	21.3	29.5	98	72	Calm	E 3	6	5	......
3..	61.07	59.65	22.9	29	97	72	Calm	E 3	3	5	5.3
4..	60.36	59.38	21	29.4	99	68	Calm	E 3	5	3	......
5..	61.65	59.75	22.8	29.4	97	68	Calm	ESE 3	8	5	4.1
6..	61.25	60.08	22.6	29.1	99	72	Calm	E 3	7	7	......
7..	61.22	59.28	21.6	29	99	67	Calm	E 3	5	5	......
8..	58.89	57.44	23.6	28.3	98	82	Calm	NE 3	8	9	27.2
9..	58.14	57.42	25.6	29	93	81	ESE 3	ESE 3	10	8	15.5
10..	58.62	57.83	26.9	27.9	88	88	Calm	E 3	8	10	17.3
11..	59.73	58.23	24.5	29.8	99	73	Calm	ESE 3	6	5	3.3
12..	59.58	58.51	26.6	29.5	83	74	ESE 3	ESE 3	5	5	......
13..	59.48	58.30	26.5	30	78	69	ESE 2	E 3	5	5	.3
14..	59.75	59.13	23.9	29.5	97	75	Calm	E 3	6	6	......
15..	60.58	59.50	25	30.4	97	72	Calm	E 3	7	5	......
16..	60.64	59.41	23	30	99	69	Calm	E 3	6	6	4.6
17..	59.80	58.81	24.1	29	99	74	Calm	E 3	7	5	.3
18..	59.51	59.20	24	29.8	97	75	Calm	E 3	7	7	......
19..	60.45	60.05	23.6	28.6	99	81	Calm	E 3	5	7	1.5
20..	61.32	60.53	27.1	31	83	71	NE 3	NE 3	5	6	......
21..	61.73	60.03	23.7	29.6	97	70	Calm	NE 3	7	7	4.1
22..	60.34	59.66	24	28.8	99	81	Calm	NE 2	6	5	26.6
23..	61.19	60.11	24	27.2	99	87	Calm	Calm	7	7	10.4
24..	61.30	60.08	22.9	30.2	99	73	Calm	NE 3	5	5	12.2
25..	61.03	59.68	24.3	30.1	97	75	Calm	E 3	8	5	1.6
26..	60.69	59.05	23	30.1	99	74	Calm	E 3	5	6	......
27..	59.84	58.37	23.3	29.4	98	72	Calm	E 3	7	7	.8
28..	59.20	58.20	24.5	30	99	73	Calm	E 3	10	9	31.5
29..	59.61	59.24	22.6	25	99	94	Calm	Calm	9	10	58.4
30..	60.28	59.21	22.8	29.7	99	68	Calm	E 3	6	5	4.6
31..	.....	.....	.....	.....	....	....	....	....	....	....	......
Mean	60.30	59.20	23.8	29.3	96.1	74.6	0.4	2.8	6.5	6.2	......
Total	.....	.....	....	.....	....	....	....	....	....	....	229.6

BORONGAN

[ϕ=11° 37′ N; λ=125° 26′ E: barometer above sea, 10 meters; gravity correction not applied, —1.81 mm.]

Day.	MAY.											JUNE.										
	Preessre, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	60.24	58.61	22.6	30.4	99	71	Calm	E 3	9	5	0.3	59.33	58.15	25	31.5	98	72	Calm	ENE 3	6	6	2.8
2..	60.44	58.56	23.4	30.4	98	72	Calm	E 3	6	5	......	58.38	57.08	25.2	31.2	98	69	Calm	ENE 3	5	5	......
3..	59.64	58.83	24.7	30.4	97	72	Calm	NE 3	5	5	......	57.48	56.82	24.5	29.3	98	76	Calm	E 3	9	9	......
4..	59.40	58.86	24.4	30	97	75	Calm	NE 3	5	5	20.3	57.93	56.81	24.6	29.7	99	75	Calm	ENE 2	5	7	4.8
5..	60.78	59.93	25.1	30.2	95	77	Calm	E 3	6	5	5.1	58.65	58.12	24.4	28	97	88	Calm	Calm	8	9	1.5
6..	60.33	59.05	27.8	30.4	84	72	E 3	ENE 3	6	6	6.4	58.78	58.01	24.9	30.1	97	78	Calm	ENE 3	6	6	4.3
7..	59.78	58.65	26.7	30.5	85	72	Calm	ENE 3	5	5	2.8	59.19	56.99	24.6	31.1	99	71	Calm	N 3	7	9	46.2
8..	59.13	58.56	24.2	30.2	98	73	Calm	ENE 3	6	5	.8	57	52.27	24.7	24.2	98	97	Calm	W 3	10	10	117.6
9..	59.93	58.46	24	30.5	98	73	Calm	E 3	7	5	1.3	56.21	55.45	23.1	29.6	99	77	Calm	SW 2	10	10	......
10..	59.34	58.16	24	30.2	97	73	Calm	E 3	6	5	.3	57.05	56.26	23.9	31.2	98	65	Calm	SW 2	10	5	......
11..	58.33	57.08	24	30.5	98	72	Calm	E 3	5	3	2	57.64	56.26	25.4	32.2	97	66	Calm	S 3	6	7	......
12..	59.01	57.36	23.9	29.5	98	76	Calm	E 3	5	5	3.3	57.99	56.04	24.2	32.2	98	69	Calm	SSE 3	8	5	......
13..	58.98	57.62	25.4	31	97	74	Calm	E 3	5	5	......	58.60	56.97	24.5	31.2	97	71	Calm	SSE 3	7	6	......
14..	58.75	57.35	24.1	30.6	99	71	Calm	E 3	5	5	......	58.78	56.90	24.7	33.4	97	52	Calm	SW 2	2	3	......
15..	58.09	56.47	23.6	29.5	99	78	Calm	ENE 2	9	8	......	59.08	56.97	24.7	31.1	97	72	Calm	SSE 3	3	3	23.1
16..	57.78	56.18	25	29.4	98	76	Calm	E 3	5	5	......	59.26	57.45	23.9	31.8	98	76	Calm	E 3	3	6	11.2
17..	57.98	56.05	24.6	31.4	98	71	Calm	SE 3	6	5	......	59.62	57.44	24	27.4	97	90	Calm	Calm	6	7	4.3
18..	57.68	56.40	25	31.4	98	72	Calm	SE 3	9	5	8.9	58.37	56.35	23.4	30	99	77	Calm	E 3	8	8	18.8
19..	58.90	57.02	24.6	30.9	99	71	Calm	SE 3	5	3	1.8	57.27	56.52	24.2	24.3	99	96	Calm	W 2	10	10	12.4
20..	59.48	57.88	25	30.9	98	74	Calm	E 3	7	5	1.3	57.39	56.43	23.3	32.5	97	69	Calm	W 2	10	5	......
21..	59.93	58.95	25.2	31.3	98	74	Calm	E 3	6	5	......	58.76	57.31	24	29.9	97	77	Calm	ENE 3	3	6	......
22..	59.71	58.16	23.6	30.2	99	80	Calm	E 3	5	5	1.3	59.79	57.87	24.3	31.5	97	71	Calm	E 3	5	5	......
23..	59.75	57.98	25	30	96	75	Calm	E 3	10	5	......	58.70	57.52	23.5	30.6	98	78	Calm	E 3	5	5	11.9
24..	59.30	58.02	24.4	30.6	98	68	Calm	E 3	7	5	......	58.40	57.52	24	23	97	97	Calm	WSW 3	7	10	48.8
25..	59.55	57.77	24	29.7	97	72	Calm	SE 3	5	7	......	57.12	56.18	23.6	25.6	97	92	WSW 3	WSW 2	10	10	5.6
26..	59.15	57.11	24	30.8	96	70	W 2	E 3	5	3	......	56.97	56.39	24	28.1	92	81	Calm	SW 1	10	10	6.6
27..	57.65	56.07	24	30.5	96	75	Calm	E 3	3	5	......	58.35	57.33	23.3	31	97	74	Calm	ESE 3	8	5	2.5
28..	57.69	56.27	24	32	97	69	Calm	E 3	6	5	......	59.80	58.23	24.5	31	99	73	Calm	E 3	5	4	.3
29..	57.48	56.91	23.9	31.6	98	69	Calm	E 3	6	5	5.6	59.29	56.88	23.9	31.3	99	75	Calm	ENE 3	6	6	......
30..	58.38	57.47	24.6	30.4	98	76	Calm	E 3	9	9	20.8	56.33	54.99	24.3	27.5	97	81	Calm	Calm	8	10	3.8
31..	59.36	58.28	25.4	31.1	96	71	Calm	E 3	6	5	1.3	.....	.....	....	....	....	....	....	....	....	....	......
Mean	59.09	57.74	24.5	30.5	96.7	73	0.2	3	6.1	5.1	......	58.25	56.78	24.2	29.7	97.6	76.8	0.1	2.4	6.9	6.9	......
Total	.....	.....	....	....	....	....	....	....	....	....	83.6	.....	.....	....	....	....	....	....	....	....	....	326.5

Day.	JULY.											AUGUST.										
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	54.42	53.34	24.5	26.6	95	83	Calm	SW 3	10	10	1.8	55.99	53.89	23.7	32.4	98	57	Calm	WSW 4	10	6	......
2..	56.18	56.76	26	31.2	79	68	SW 3	SW 3	10	8	......	56.60	55.71	25.1	28.4	95	77	Calm	SW 2	9	10	2.5
3..	60.58	59.36	23.7	31.1	98	74	Calm	S 3	10	10	......	56.66	54.38	24.6	28.6	99	80	Calm	SW 2	10	10	1.3
4..	60.63	59.11	23.5	31.2	97	73	Calm	NE 2	5	7	6.4	56	54.82	25	29.5	88	77	SW 2	SSE 3	10	10	3.8
5..	59.79	58.56	23.6	29.5	99	79	Calm	N 2	10	7	.3	56.54	55.50	24.6	31	91	75	Calm	SW 3	10	10	2.5
6..	59.55	58.58	23.7	30.2	98	78	Calm	E 3	6	7	......	56.78	54.71	25.4	30.6	93	71	Calm	SW 3	10	10	......
7..	60.68	59.62	24.4	30	97	72	Calm	E 3	5	6	......	54.62	52.81	24.1	31.7	96	65	Calm	SW 3	7	6	......
8..	60.62	59.37	23.4	31	97	72	Calm	E 3	3	3	1.8	53.92	53.21	24.2	31.5	97	70	Calm	SW 3	8	6	......
9..	59.80	58.30	24.1	31	99	70	Calm	E 3	10	5	......	54	53.26	26.5	31.2	84	70	Calm	SW 3	7	9	......
10..	59.41	57.86	24	29.9	97	75	Calm	E 3	5	5	......	54.41	53.56	25	31	92	66	Calm	SW 3	10	10	......
11..	59.26	58.10	23.5	30	97	77	Calm	E 3	4	5	......	54.74	52.71	26.5	30.5	82	64	SW 3	SW 4	10	10	......
12..	60.07	58.76	23.5	30.9	98	70	Calm	E 2	2	2	......	54.18	53.46	27.5	32.6	70	60	SW 4	SW 4	10	6	......
13..	59.15	58.42	23.9	32.1	97	69	Calm	NE 3	5	6	......	56.13	55.46	24.6	32	91	57	Calm	SW 3	9	6	......
14..	59.30	57.68	24.8	31.4	96	66	Calm	NE 3	5	3	......	57.93	55.93	25.2	32.3	86	53	Calm	WSW 4	9	5	......
15..	58.72	57.31	24	26.7	97	86	Calm	W 3	4	7	......	58.62	56.60	23.3	32	97	63	Calm	WSW 3	5	8	......
16..	58.52	57.16	24	28.5	96	83	Calm	WSW 3	3	9	......	59.30	57.27	24	35	96	49	Calm	WSW 4	9	9	......
17..	58.47	57.46	22.2	32.5	98	65	Calm	E 2	5	5	......	58.33	57.14	23.1	33.2	97	55	Calm	WSW 3	5	5	......
18..	58.10	57.03	22.6	30	98	73	Calm	NE 3	7	9	2.3	57.26	55.17	27	31.5	80	64	W 2	W 3	8	10	......
19..	57.36	56.21	24	29.6	97	72	Calm	N 3	10	10	12.7	54.06	54.03	27	26	80	89	W 4	W 4	10	10	25.9
20..	56.41	56.15	24.5	26	99	96	Calm	NNE 2	10	10	2.3	55.20	55.37	25.9	31.2	73	64	SSW 3	SSW 3	9	8	......
21..	56.15	55.13	23.4	31	98	72	Calm	NE 3	8	6	4.6	59.44	57.36	23.6	33.5	98	50	Calm	SSW 3	6	6	......
22..	56.61	55.88	23.4	25	98	97	Calm	Calm	7	10	56.1	58.94	56.80	23.8	31.1	97	75	Calm	NE 3	3	5	......
23..	56.34	55.60	23.3	25.2	98	94	Calm	Calm	10	10	19.6	56.98	55.46	25.6	31.9	91	64	Calm	W 4	5	6	2.5
24..	57.27	55.32	23.5	31.5	98	74	Calm	E 3	10	5	25.4	56.13	55.06	25.1	31.6	94	62	Calm	WSW 3	10	10	......
25..	57.84	55.74	23.2	32.7	99	66	Calm	W 2	9	7	......	56.76	55.41	23.5	34.1	96	55	Calm	W 3	7	5	......
26..	55.75	53.34	25.3	26.7	95	89	Calm	W 2	10	10	15.8	58.35	57.71	23.9	30.7	97	67	Calm	SSE 3	5	8	......
27..	53.60	53.75	24.9	26.9	88	85	SSW 1	Calm	10	10	1.8	59.60	57.27	23.4	29	97	83	Calm	SE 3	7	10	.8
28..	54.66	54.68	25.6	28	85	73	SSW 3	SSW 4	10	10	......	56.70	55.88	22.5	30.5	99	62	Calm	NW 3	5	10	1.3
29..	54.87	53.48	23.5	30.9	96	68	Calm	SW 3	10	10	......	54.89	54.46	24.6	34.9	93	92	Calm	WSW 2	10	10	6.6
30..	53.97	52.89	23.5	32.5	97	61	Calm	SW 3	9	8	......	55.88	55.52	25	30.4	80	64	Calm	WSW 3	10	10	......
31..	54.87	54.24	23	33	99	52	Calm	SW 4	9	5	......	57.13	55.44	25.1	30.8	80	64	Calm	SW 3	7	10	......
Mean	57.71	56.62	23.9	29.8	96.1	75.2	0.2	2.5	7.5	7.3	......	56.52	55.21	24.8	31.3	90.5	66.6	0.6	3.1	8.1	8.2	......
Total	.....	.....	....	....	....	....	....	....	....	....	150.9	.....	.....	....	....	....	....	....	....	....	....	47.2

BORONGAN

[ϕ=11° 37′ N; λ=125° 26′ E; barometer above sea, 10 meters; gravity correction not applied, −1.81 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	57.35	55.85	23	33	97	56	Calm	W 3	5	8	......
2..	58.85	57.73	23.5	31	97	72	Calm	SSE 3	8	6	......
3..	59.84	58.16	24	30.9	97	72	Calm	SE 3	5	5	......
4..	60.02	57.88	24	31.1	96	67	Calm	NE 3	3	7	......
5..	58.80	56.65	24	29.5	96	72	Calm	NE 3	6	5	1.3
6..	58.01	56.47	24	28.6	97	78	Calm	N 3	9	10	16.3
7..	57.71	55.93	24	27.5	98	83	Calm	WNW 1	10	10	14.7
8..	57.26	56.45	23.4	27.2	97	87	Calm	ESE 1	10	10	9.2
9..	57.96	55.78	23.6	27.4	99	82	Calm	WSW 2	10	10	5.8
10..	56.99	56.13	23.5	25.7	99	89	Calm	Calm	10	10	10.6
11..	55.02	54.40	23.7	26.5	97	80	Calm	W 1	10	10	.8
12..	53.31	52.90	24.5	27.5	85	78	W 3	W 3	10	10	2.3
13..	54.77	54.09	24.4	29.3	88	73	Calm	WSW 3	10	8	.3
14..	57.52	55.77	23.4	32	97	61	Calm	WSW 3	10	10	7.1
15..	57.96	56.20	24.5	31	97	75	Calm	SE 3	10	5	......
16..	58.62	57.72	23.9	24.2	97	94	Calm	Calm	6	10	39.3
17..	59.97	58.17	24	29	99	74	Calm	Calm	10	7	17.8
18..	60.59	58.92	23.3	29.8	97	69	Calm	E 3	10	3	6.4
19..	60.35	58.64	23.9	29.3	97	76	Calm	NE 3	10	5	......
20..	59.67	57.82	22.6	29.9	99	72	Calm	ENE 3	2	2	1
21..	59.93	58.11	23.5	29.5	99	75	Calm	E 3	8	3	.8
22..	60.22	58.51	24.3	31	97	70	Calm	E 3	7	7	......
23..	60.03	58.56	27.3	30	85	72	NE 3	NE 3	6	5	......
24..	59.32	58.32	24.4	30	96	72	Calm	NE 3	6	7	11.7
25..	59.25	58.40	25.6	29.6	98	77	Calm	ENE 3	10	9	4.1
26..	59.91	58.47	24.6	29.8	99	73	Calm	NE 3	6	5	7.9
27..	59.24	58.20	24.7	29.6	94	76	Calm	NE 3	5	6	......
28..	59.26	57.96	23.4	30	98	73	Calm	NE 3	5	5	.8
29..	59.51	57.47	23.1	30.4	99	70	Calm	NE 3	6	5	......
30..	59.47	57	23.4	30	97	70	Calm	NE 3	5	4	......
31..	.....	.....	....	.....	....	....	....	....	....	....	......
Mean	58.56	57.09	24	29.3	96.3	74.6	0.2	2.5	7.6	6.9	......
Total	.....	.....	....	.....	....	....	....	....	....	....	158.2

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	58.37	56.50	22.6	29	97	79	Calm	NE 3	5	7	......
2..	57.57	55.46	23.1	29	98	78	Calm	N 1	6	8	4.1
3..	57.75	55.88	22.5	30.4	98	69	Calm	E 3	9	7	......
4..	58.15	56.67	24.5	29.4	96	78	Calm	E 3	6	5	......
5..	58.39	56.66	24	26.7	97	94	Calm	NNW 1	5	10	4.9
6..	58.17	57.48	23.6	22.5	98	96	Calm	W 3	6	10	30
7..	58.62	57.38	23.2	27.8	98	84	Calm	W 3	10	10	60.4
8..	57.97	56.13	22	27.5	99	89	Calm	WSW 1	3	10	6.6
9..	57.72	56.51	23.1	27.9	98	85	Calm	Calm	5	10	1.8
10..	58.60	57.06	23.6	28.4	99	80	Calm	SE 2	10	10	......
11..	59.39	58.85	24.4	23.7	98	96	Calm	SE 2	10	10	26.7
12..	60.59	58.76	23.5	28	97	83	Calm	NE 3	5	10	8.7
13..	59.41	57.48	24.7	25.9	97	93	Calm	NNE 3	10	10	52
14..	55	54.23	27	28.4	88	80	NE 4	ESE 4	10	10	10.9
15..	57.20	55.56	23.3	30.1	99	74	Calm	ENE 3	7	5	.5
16..	58.27	56.71	23.8	29.2	97	76	Calm	NE 3	3	7	......
17..	58.90	57.11	24.1	30.4	98	74	Calm	ENE 3	2	5	......
18..	58.05	56.06	23.4	29.5	97	81	Calm	ENE 2	2	7	......
19..	58.06	55.52	24.4	28.5	97	82	Calm	Calm	5	9	42.6
20..	58.36	57.23	24	29.2	99	79	Calm	NE 3	10	9	.8
21..	59.56	58.17	22.6	28.6	98	73	Calm	NE 2	10	9	1
22..	60	58.28	22.6	30	99	65	Calm	ENE 3	5	3	3.3
23..	59.93	58.33	24	30.4	97	72	Calm	ENE 3	10	4	......
24..	59.72	58.25	23.1	30.5	99	71	Calm	ENE 3	2	5	......
25..	59.93	58.42	23.3	28.6	97	80	Calm	ENE 3	6	8	3.8
26..	60.67	58.72	22.8	29.5	98	75	Calm	ENE 3	8	5	1.5
27..	60.50	58.83	23	29.9	98	72	Calm	ENE 2	5	3	7.6
28..	59.95	58.27	24.5	30	98	72	Calm	E 3	10	5	19.8
29..	59.44	57.88	24	28.6	98	80	Calm	E 3	6	10	9.9
30..	59.24	58.04	24.1	26.4	99	90	Calm	Calm	5	10	53.8
31..	58.91	58.04	24	28.5	98	80	Calm	E 2	10	10	35.6
Mean	58.79	57.24	23.6	28.5	97.5	80	0.1	2.4	6.6	7.8	......
Total	.....	.....	....	.....	....	....	....	....	....	....	386.3

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.90	58.63	23.8	30	98	78	Calm	E 2	10	5	1.8
2..	59.93	58.48	24.4	30.2	98	75	Calm	E 3	6	6	......
3..	59.73	57.95	27.4	29.5	85	79	E 3	NE 2	5	10	37.1
4..	59.38	57.81	25.5	30.3	98	80	Calm	NE 3	8	7	8.6
5..	58.82	57.38	26.4	29.8	89	79	Calm	E 1	10	5	24.1
6..	58.55	57.24	24.9	29	97	79	Calm	E 2	8	9	15.7
7..	59.80	57.98	24.3	29	97	78	Calm	N 3	7	5	21,3
8..	59.05	57.28	23.6	29.5	99	74	Calm	ENE 3	8	5	10.7
9..	57.95	56.56	23	28.6	97	78	Calm	ENE 3	10	10	......
10..	57.99	55.59	23.1	30.5	99	68	Calm	WSW 1	8	9	.3
11..	56.80	55.06	24.5	28.4	96	77	Calm	WSW 1	10	10	8.6
12..	57.59	56.42	23	26	98	91	Calm	Calm	5	10	2
13..	57.39	55.75	23	27.8	98	79	Calm	WSW 1	10	10	3.6
14..	56.74	55.25	25.5	27.1	86	81	WSW 2	SW 3	10	10	1.8
15..	55.80	53.61	25.8	25.6	85	81	SSW 3	SSW 4	10	10	13.2
16..	55.19	53.89	23.9	24.2	91	95	SSW 3	S 3	10	10	74.7
17..	56.30	56.53	24	25.5	92	96	S 3	Calm	10	10	13.2
18..	59.05	57.36	22.9	28.1	99	83	Calm	SSE 2	5	9	......
19..	58.90	57.55	24.5	30.1	97	74	Calm	ENE 3	5	6	......
20..	59.20	56.91	22.8	29.9	99	74	Calm	E 3	5	3	......
21..	57.96	55.86	22.5	29.1	99	79	Calm	E 3	6	8	......
22..	57.97	56.99	22.5	26.4	99	91	Calm	NW 3	8	10	19.8
23..	59.65	58.88	24.4	27.2	89	75	Calm	Calm	10	10	......
24..	59.95	58.70	22.6	26.7	96	71	Calm	N 3	6	10	......
25..	60.03	58.46	20.5	28.4	96	68	Calm	NE 3	6	5	10.7
26..	58.75	57.55	24.5	23.9	92	97	Calm	NW 3	10	10	68.9
27..	57.79	57.62	25.5	29	94	74	ENE 3	ENE 3	10	8	21.9
28..	60.05	58.98	23.7	28.4	99	80	Calm	ENE 3	10	8	17.5
29..	60.15	58.93	24	27.2	97	84	NE 2	NE 3	5	10	36.3
30..	59.70	58.41	23.8	28.5	98	85	Calm	ENE 3	9	10	19.3
31..	.....	.....	....	.....	....	....	....	....	....	....	......
Mean	58.54	57.12	24	28.1	95.2	80.1	0.6	2.3	8	8.3	......
Total	.....	.....	....	.....	....	....	....	....	....	....	431.1

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.32	57.65	23.5	26.8	99	94	Calm	ENE 3	10	8	19.8
2..	59.24	58.30	23.5	25.9	99	92	Calm	Calm	7	10	33
3..	58.33	56.11	22.6	26	99	88	Calm	NE 3	10	10	44.2
4..	56.37	56	23.5	24.9	99	97	Calm	Calm	10	10	54.9
5..	57.70	56.40	24.2	25.8	99	93	Calm	Calm	10	10	5.3
6..	58.61	57.14	23.1	29.1	99	81	Calm	E 3	5	9	9.1
7..	59.29	57.98	23.4	29.8	97	69	Calm	E 3	5	5	.8
8..	59.31	58.21	23	29.8	99	73	Calm	NE 2	5	6	......
9..	59.01	58.21	23.6	29.4	98	76	Calm	NE 3	9	7	......
10..	60.34	58.68	27.1?	27.3	72?	83	ENE 3	ENE 2	6	8	9.1
11..	60.08	58.81	27 ?	30	73?	70	NE 3	NE 3	8	5	62.5
12..	60.23	58.99	23.4	28.2	97	76	Calm	Calm	10	9	13
13..	59.32	57.28	23.5	29	99	76	Calm	NE 3	10	3	1.8
14..	58.60	56.59	21.7	29.3	99	69	Calm	NE 3	5	2	......
15..	58.88	57.63	21.4	29.4	97	72	Calm	ENE 3	3	2	1
16..	59.37	58.35	21.9	28.7	98	77	Calm	E 3	7	5	7.3
17..	59.95	59.28	23.4	29.3	99	71	Calm	NE 3	9	5	.8
18..	60.29	59.35	22.9	26.2	97	88	Calm	Calm	6	5	15.8
19..	60.56	60.23	27.2	26.1	83	91	ENE 4	ESE 3	8	10	54.7
20..	61.51	60.78	26	28.5	85	74	ENE 4	ENE 4	10	10	......
21..	61.81	60.10	26.6	28.5	80	74	ENE 4	ENE 3	10	10	12.2
22..	62.10	60.88	24.4	25.5	92	88	ENE 3	E 3	10	10	65.8
23..	61.65	59.73	23.5	28.8	96	75	Calm	E 3	10	7	40.4
24..	60.24	58.93	24.1	26.4	96	91	Calm	NE 3	10	10	3.8
25..	59.27	58.26	22.8	29.8	98	73	Calm	NE 3	8	6	8.4
26..	60.20	58.63	24.2	25.5	99	96	Calm	N 3	10	10	80.3
27..	59.96	58.85	23.5	29.5	99	75	Calm	E 3	6	7	3
28..	60.50	59.05	23.5	30	99	72	Calm	E 3	5	5	6.4
29..	60.38	59.03	25.6	26	92	92	NNE 3	NNE 3	6	10	87.1
30..	60.95	60.23	24.5	24	96	96	N 4	N 4	10	10	118.9
31..	61.75	61.10	24	24.8	93	89	N 4	NNE 3	10	10	31.5
Mean	59.84	58.61	24	27.7	94.4	81.6	1	2.5	8	7.5	......
Total	.....	.....	....	.....	....	....	....	.....	....	....	790.4

CATBALOGAN

[φ=11° 47′ N; λ=124° 54′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

Day.	JANUARY.											FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.33	59.98	23.6	29	97	69	NE 1	NE 3	10	5	3.3	62.68	61.13	20.5	29	97	67	NE 1	WSW 2	7	4	......
2..	60.83	59.69	23.5	29	98	78	Calm	W 2	5	5	......	62.87	61.37	20.8	29.7	95	61	E 2	W 3	1	4	......
3..	61.82	60.35	22	28.5	97	74	ENE 1	NE 3	6	4	1	63.51	61.50	24.2?	30.3	83?	50	NE 3	E 3	1	5	......
4..	61.87	60.68	22	30.5	97	65	E 1	NE 3	1	4	3.6	63.59	62.67	19.1	27.8	97	69	E 1	NE 2	1	7	0.3
5..	62.43	61.59	22.5	29.7	96	56	NE 2	NE 3	9	3	......	64.94	62.89	20.3	29	97	61	NE 2	NE 3	3	5	.8
6..	63.73	62.56	24.8	29	81	71	NE 3	NE 3	4	5	......	65.35	62.86	22.6	30	93	56	E 2	E 4	7	6	7.2
7..	62.71	61.43	25.5	30.2	76	64	NE 3	NE 4	5	4	5.6	64.79	62.74	21.6	29.9	96	54	ENE 2	ENE 4	6	3	1.8
8..	62.62	60.64	24	30.6	90	55	ENE 2	ENE 3	8	1	3	63.93	62.54	23.6	29.5	90	55	ENE 3	ENE 4	10	7	7.1
9..	61.24	59.20	21	28.7	96	73	ENE 1	W 3	4	5	......	63.23	62.18	19.7	30	98	57	ENE 2	ENE 3	3	7	1.6
10..	60.33	58.91	19.7	28	98	76	E 1	NE 3	2	8	9.4	62.73	61.24	20.2	26.7	98	72	ENE 2	E 4	3	6	.5
11..	59.88	58.70	23	28.6	98	75	E 1	W 2	8	4	1	63.23	61.34	23	27.5	93	81	ENE 2	W 2	10	7	8.9
12..	60.38	59.27	20.6	29	99	74	NE 2	W 3	5	4	5.1	62.65	60.67	23.5	31	87	52	ENE 2	E 4	9	4	......
13..	60.87	59.86	19.5	28.8	98	72	ENE 1	W 3	2	4	......	62.07	60.99	21.5	29.3	97	60	E 1	E 3	4	6	......
14..	62.70	61.86	17.5	29	98	50	NE 1	SE 3	2	5	......	62.38	60.80	18.8	31.6	98	51	E 1	E 3	3	4	......
15..	62.97	61.29	18.3	28.3	97	66	NE 2	W 2	2	3	......	62.43	61.34	22	27.2	96	81	ENE 1	ENE 2	7	9	1.6
16..	62.77	61.31	23.2	28.5	84	53	NE 3	NE 4	9	6	......	61.93	60.20	21.3	29.8	97	73	ENE 1	W 3	3	3	......
17..	63.03	62.08	19.2	29.4	98	47	E 2	NE 3	2	4	......	60.22	58.97	22.3	29.8	97	75	ENE 1	W 3	10	4	.5
18..	64.18	62.58	18.5	31	98	48	NE 2	NE 3	2	5	......	60.36	58.94	21.5	29.5	97	69	ENE 2	W 2	7	5	5.3
19..	64.04	62.81	18	29	97	47	ENE 1	NE 3	2	4	......	61.21	59.28	21.6	29.7	98	72	E 1	W 3	7	5	2.3
20..	63.58	61.74	20.2	28.1	95	60	NE 1	NE 3	2	4	.8	61.66	59.66	23.5	27.5	97	82	NE 1	SW 2	10	8	6.6
21..	63.16	61.51	24.6?	28.5	72?	61	NE 3	NE 3	8	7	......	60.54	58.85	21.5	29.6	98	70	NE 1	W 2	3	5	16.8
22..	63.07	61.58	22.3	29	85	52	NE 2	NE 3	3	7	......	59.60	57.62	23	32	98	55	ENE 1	ENE 3	9	4	......
23..	62.14	61.08	21.5	28.3	97	65	NE 2	NE 3	9	9	......	59.78	58.23	22.5	30.8	97	59	ENE 1	ENE 3	7	6	......
24..	61.37	60.54	22	27.3	96	85	NE 1	NE 2	4	8	1.6	60.58	58.64	22.3	31.5	97	43	E 3	E 4	4	4	......
25..	61.38	60.05	24	28.6	91	73	E 2	ENE 3	8	7	1	60.40	58.87	19	30.6	99	43	ENE 1	NE 3	4	5	......
26..	61.98	61.11	23.4	28.8	96	63	E 2	E 3	4	5	......	60.98	59.75	18.5	31.2	99	47	ENE 2	ENE 4	3	3	......
27..	62.45	60.44	17.8	30.8	97	56	NE 1	E 3	2	4	......	61.53	60.25	24.5	30.3	79	57	NE 3	E 3	5	6	1.6
28..	62.10	60.20	19.2	30	98	45	E 1	NE 3	1	4	......	61.51	59.79	21.2	29.2	98	68	E 1	W 3	8	6	......
29..	61.77	60.94	23.8	30.8	79	44	ENE 2	ENE 3	2	3	......	....	....	....	....	....	....	....	....	....	....	......
30..	62.03	60.43	20.1	29.5	98	70	NE 2	W 3	7	4	......	....	....	....	....	....	....	....	....	....	....	......
31..	62.11	60.18	20.3	31.3	97	46	ENE 1	NE 3	2	4	......	....	....	....	....	....	....	....	....	....	....	......
Mean	62.16	60.79	21.5	29.2	93.4	62.4	1.6	2.9	4.5	4.8	......	62.17	60.55	21.6	29.6	95.2	62.1	1.6	3	5.5	5.3	......
Total	....	....	....	....	....	....	....	....	....	....	35.4	....	....	....	....	....	....	....	....	....	....	62.9

Day.	MARCH.											APRIL.										
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	60.78	60	22.6	29.8	95	60	ENE 1	ENE 3	9	6	......	60.28	58.74	23.5	31.3	92	61	E 2	SW 3	8	4	......
2..	60.29	59.54	20.7	31.3	97	51	ENE 1	NE 4	5	5	......	60.37	59.54	24.5	29.9	83	69	ESE 2	W 3	3	5	......
3..	61.78	60.45	20.7	31.5	95	51	E 1	E 4	4	6	......	60.73	58.86	22.5	30.8	96	65	E 1	ESE 2	4	8	0.3
4..	61.80	61.09	25	29.5	72	64	NE 3	W 3	3	5	......	60.01	58.61	20.8	31.3	97	54	ENE 1	SW 3	2	4	......
5..	62.59	60.78	18.5	30.6	97	47	ENE 1	ENE 3	4	4	......	61.11	58.81	24.5	32.3	77	62	E 2	W 3	3	4	......
6..	62.08	60.49	18.3	28.3	97	67	NE 2	W 3	4	6	......	60.96	59.22	21.5	29.6	95	69	E 1	W 2	2	6	......
7..	61.45	60.07	25	31.5	72	40	ENE 4	ENE 4	4	5	0.8	61.09	58.32	21	30.7	96	65	ENE 2	W 3	2	4	......
8..	61.44	59.45	22.5	31.8	82	44	S 2	E 3	5	4	3.6	58.79	56.52	22.4	30.2	93	67	ENE 1	WSW 3	4	7	4.6
9..	60.78	60.29	23	27.5	97	78	E 2	E 3	4	9	1.5	58.07	57.56	25.7	25.6	88	93	E 2	SE 1	8	8	16.2
10..	61.63	60.48	24.6	30.2	82	52	E 3	NE 3	7	5	......	58.19	57.22	25.4	30.4	86	74	E 2	SSE 3	4	8	7.1
11..	62.11	59.94	21.6	30.6	96	50	NE 2	E 4	7	4	1.5	59.28	57.37	23.5	31.7	98	64	E 1	SE 3	7	4	......
12..	61.71	60.86	23.5	27.1	92	76	E 1	NW 3	8	10	2.3	59.15	57.45	23.3	32.5	97	47	E 2	E 4	2	3	......
13..	62.03	60.19	20.2	29.2	98	70	ENE 1	WNW 3	2	6	......	59.35	57.26	21	31.5	97	50	E 1	E 3	1	8	......
14..	61.48	60.44	20.4	28.6	97	75	NE 2	W 3	2	8	4.1	59.16	57.87	24.5	30.3	89	72	E 2	WNW 3	3	6	......
15..	61.73	60.66	22.8	27.8	97	80	E 1	WSW 3	10	9	2.3	60.36	58.41	24	31.7	92	68	E 1	W 3	2	5	......
16..	61.70	60.09	19	29.5	98	75	ENE 2	W 3	1	6	4.1	60.58	58.20	22	34	96	43	ENE 1	ENE 3	2	4	.5
17..	61.21	60.33	23.4	31.8	90	46	ENE 2	E 4	9	4	.8	59.61	57.62	23.5	32.7	96	54	ENE 1	E 3	8	4	3.6
18..	62.06	60.84	21.3	30	97	65	E 1	WNW 3	4	6	3.3	59.30	58.34	23.4	30.9	97	69	E 1	W 3	2	7	1.5
19..	62.46	61.29	23.5	29.2	96	74	E 1	S 3	9	8	......	60.29	59.14	22	32.8	97	56	E 1	E 4	2	5	......
20..	62.63	60.57	21.5	30.9	98	48	E 2	E 4	3	5	......	61.04	59.64	25.8	32.6	83	47	E 3	E 3	1	4	......
21..	61.56	59.84	20	32.3	97	37	E 1	ESE 3	1	4	......	61.71	59.18	21.5	32.1	97	46	NE 2	ENE 4	5	4	......
22..	61.47	59.33	19.7	31	98	65	E 2	W 3	2	3	......	60.43	58.84	21.6	32	97	58	NE 2	ENE 3	4	7	3
23..	61.12	59.52	21.4	30	96	71	E 1	S 3	2	7	.8	61.13	59.60	22.3	27.4	97	76	ENE 2	SE 4	6	7	......
24..	60.78	59.19	22	30.3	96	59	E 2	W 3	6	3	6.4	61.11	59.44	21.5	29.8	98	73	E 1	W 3	2	6	......
25..	60.43	58.79	23.4	32	97	65	E 1	WSW 3	10	5	.3	61.02	58.56	22.5	33.3	97	45	E 1	E 4	7	6	.3
26..	61.48	58.82	19.8	30.8	98	70	ENE 2	W 3	6	7	......	60.26	58	25.5	33.3	85	49	E 2	S 4	7	7	......
27..	60.28	58.82	23.3	30	92	60	E 1	E 3	6	9	......	59.26	57.37	25.6	32.3	84	41	SE 3	ENE 3	6	7	......
28..	60.29	59.06	22	28.2	97	80	E 2	ENE 2	5	9	8.2	58.96	57.47	24.5	31.6	91	54	ENE 1	E 4	6	8	......
29..	60.51	58.80	21.7	31.7	98	52	ENE 2	NE 4	3	5	......	59.25	58.69	23.3	26.5	90	82	E 1	ESE 2	8	10	.3
30..	60.21	57.58	23.5	32.1	92	44	ENE 1	E 3	7	3	......	59.91	58.10	21.7	33.6	98	47	NE 2	E 4	2	4	......
31..	59.25	58.19	24.3	28.2	89	78	E 2	E 3	7	7	7.6	....	....	....	....	....	....	....	....	....	....	......
Mean	61.33	59.86	21.9	30.1	93.4	61.1	1.7	3.2	5.1	5.9	......	60.03	58.33	23.2	31.2	92.6	60.7	1.6	3.1	4.1	5.8	......
Total	....	....	....	....	....	....	....	....	....	....	47.6	....	....	....	....	....	....	....	....	....	....	37.4

CATBALOGAN

[φ=11° 47′ N; λ=124° 54′ E; barometer above sea, 5.5 meters; gravity correction not applied, −1.80 mm.]

Day.	MAY.[a]											JUNE.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0–12).		Cloudiness.		Rain in 24 hours beginning 6 a.m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0–12).		Cloudiness.		Rain in 24 hours beginning 6 a.m.
	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.		6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.96	57.70	23.6	33.5	91	42	ENE 2	SE 4	3	4	......	59.06	58.12	23.6	29.4	98	77	E 1	SE 2	6	8	2
2..	60.37	57.66	21.5	33.5	97	41	E 1	ENE 4	2	4	......	57.93	56.36	22.5	31.8	97	67	ENE 1	W 3	1	4	......
3..	59.40	57.88	21.7	33.5	97	47	ENE 2	ENE 4	2	4	......	57.38	56.10	24	32.6	96	63	ENE 2	W 3	8	7	.3
4..	59.24	57.97	22.3	34.5	97	42	E 1	E 4	2	6	1	57.63	56.30	23.5	30.5	97	76	NE 2	SE 2	4	9	2.3
5..	60.27	59.29	24.3	31.6	93	56	E 1	E 4	3	4	1	58.37	58	24	26.5	97	90	ENE 1	SE 2	6	10	31.7
6..	60.25	58.17	23.6	30.5	95	68	E 2	W 3	2	5	......	58.50	58.22	24	24.9	97	92	E 1	NE 2	4	9	29.2
7..	59.52	57.62	23.6	34	97	44	E 1	E 3	5	5	.3	59.24	56.91	24.2	28.8	97	83	NE 1	W 2	7	8	23.9
8..	58.83	57.75	23	30.7	96	63	E 2	NW 3	3	6	......	57.08	55.10	25.5	24.5	85	93	NE 2	WNW 5	10	10	315.4
9..	59.72	57.44	22.6	32	97	61	ENE 1	W 3	4	6	......	55.39	55.02	24	30.9	96	63	SSE 3	SSW 3	10	9	1.3
10..	59.23	59.59	22.5	30.5	96	69	NE 2	W 3	3	7	15.5	56.89	56.42	25.7	31.1	86	68	SW 3	SW 3	10	9	......
11..	58.14	56.35	22.5	33	97	52	ENE 1	W 3	3	3	.5	57.22	56.02	26.2	31.3	85	65	SE 3	SE 3	5	9	.5
12..	58.47	56.61	23.8	32.7	95	65	E 1	W 3	5	4	......	57.59	56.36	26	31.7	88	65	E 2	WSW 2	8	4	......
13..	58.43	56.97	25.1	32.1	88	66	E 2	W 3	5	5	......	58.18	56.91	26.1	32	89	58	SE 2	WbyS 2	8	4	24.9
14..	58.38	56.70	22.8	32.8	97	54	ENE 1	SE 4	5	4	......	58.33	57.35	23.5	32.5	96	58	NE 2	WSW 3	1	2	......
15..	57.47	56.23	23.2	32.5	98	63	ENE 2	W 3	7	7	......	58.71	57.20	24.6	32.1	95	56	E 2	W 3	2	3	......
16..	57.43	55.42	24.8	33.5	94	58	E 1	W 3	4	4	......	58.84	57.90	25.8	31.3	85	70	E 2	W 4	2	3	......
17..	57.67	55.17	24.8	33.3	93	64	ENE 2	W 3	6	4	......	59.42	57.65	25.2	31.6	92	65	NE 2	W 3	8	8	......
18..	57.63	55.65	25.5	33.1	88	61	E 1	W 3	7	4	......	58.13	56.72	24.5	31	96	69	ENE 1	W 3	7	7	.3
19..	58.48	56.05	25.6	33.7	91	56	SE 2	SW 3	4	5	......	57.04	56.81	24.5	25.2	93	90	NE 2	W 3	7	10	31.8
20..	59.24	57.21	25	32	93	66	ESE 1	SW 3	7	7	......	57.82	56.93	24.4	30.5	95	67	WNW 3	W 4	10	7	13.2
21..	59.52	58.25	25.7	30.7	86	70	E 2	SE 2	5	9	9.4	58.45	58.02	23.7	31.4	96	66	NE 2	W 3	3	4	......
22..	59.26	57.10	22.4	33.5	98	58	E 1	S 4	2	5	2.3	59.60	58.10	25.8	31.7	92	68	W 4	W 3	8	6	......
23..	59.11	57.96	24.9	28.3	91	79	E 1	SE 3	5	10	3.3	58.30	57.61	25.2	30.2	94	70	NE 2	W 3	4	9	......
24..	58.80	57.42	24.7	32.5	91	58	ENE 2	W 2	3	6	......	58.31	57.39	25.2	29.3	97	74	NE 2	W 3	7	10	15.2
25..	59.37	57.57	23.2	33.5	94	49	E 1	W 3	6	5	......	57.62	56.53	24.2	26.1	97	91	W 2	W 2	9	10	11.9
26..	58.76	56.57	24.5	33.2	89	60	ENE 1	W 3	6	3	......	56.75	56.34	24.5	29	94	72	NE 2	WbyS 3	10	10	......
27..	57.41	55.59	24.5	33.5	92	57	NE 2	W 3	3	3	1.5	58.01	57.13	25.8	32.2	81	59	SE 3	S 2	9	3	......
28..	57.32	56.16	25.2	33	90	64	ENE 2	W 3	8	6	.3	59.37	58.17	24.3	30	93	71	NE 2	NE 2	4	9	10.2
29..	57.02	55.72	25.5	34.8	84	47	E 3	SE 3	5	7	......	59.09	57.21	23.2	28	97	76	ENE 2	NNW 3	1	7	14
30..	57.83	56.91	26.2	33	79	56	ESE 2	SE 4	7	7	1.8	56.48	55.26	25.7	28.1	88	79	N 2	NNW 2	9	10	34
31..	59.28	57.53	25	31.8	89	59	E 1	S 3	9	6	......	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.77	57.04	24	32.6	92.7	57.9	1.5	3.2	4.5	5.3	......	58.02	56.94	24.6	29.9	93	72	2	2.8	6.3	7.3	......
Total	.....	.....	....	....	....	....	....	....	....	....	36.9	.....	.....	....	....	....	....	....	....	....	....	562.1
	JULY.											AUGUST.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	54.33	54.18	26.6?	26.9	87?	81	W 4	SWbyW 4	10	10	46.7	55.66	54.52	28.5	33	68	61	SW 5	WSW 4	9	4	......
2..	55.99	56.89	25.5	29.5	84	64	SSE 2	SW 4	10	10	5.6	56.29	55.75	28.2	29	68	72	WSW 4	WSW 3	10	10	7.1
3..	60.21	58.95	25	30.7	85	70	SE 3	SE 3	9	8	......	56.81	54.94	25.3	27.9	96	85	SE 2	W 2	10	10	4.8
4..	60.43	58.92	23	30.4	97	70	E 1	W 3	9	7	20.8	56.05	54.99	26.6	29	84	75	W 4	WSW 3	10	10	22.1
5..	59.65	58.57	23.5	28.3	96	80	NE 2	W 2	9	8	12.1	56.34	55.84	26.8	29.6	80	79	WbyS 3	WSW 3	10	8	3.8
6..	59.50	57.87	23	30.2	97	68	NE 2	W 2	6	8	......	56.46	55.34	28.1	29.7	77	70	WSW 4	WSW 4	10	10	......
7..	60.38	59.42	23.5	30.4	96	66	NE 2	W 3	5	5	......	54.56	53.14	28	31.5	71	63	SWbyW 5	WSW 5	7	8	......
8..	60.23	58.94	22.8	31.3	97	68	NE 1	W 3	1	4	3	53.87	53.56	28.2	30.5	76	70	WSW 4	WSW 4	8	7	......
9..	59.59	57.91	22.6	28	98	82	NE 2	NNE 2	2	6	1	54.08	53.65	26.5	31.5	85	60	SW 3	WSW 5	7	7	......
10..	59.10	57.52	23.2	30.7	98	72	NE 1	W 2	1	6	......	54.66	54.15	28	30.6	77	65	WbyS 4	WbyS 5	10	10	......
11..	58.94	57.48	22.9	30.8	97	68	ENE 2	W 3	1	7	18.3	54.77	53.75	27.7	30.8	79	59	WSW 5	WSW 5	10	10	......
12..	59.81	58.43	22.8	30.4	97	68	ENE 1	W 2	1	7	......	54.34	54.18	28.2	30.7	72	70	WSW 4	WSW 4	8	8	......
13..	58.97	58.60	23.7	29.5	97	75	NE 2	NE 3	2	10	9.1	55.94	55.74	28.1	30.1	74	65	SW 5	SW 4	10	9	......
14..	58.85	57.94	23	27.2	97	75	ENE 1	ENE 2	2	8	......	57.92	56.42	25.5	29.5	84	68	SW 3	W 4	9	7	......
15..	58.55	56.77	23.5	30.5	96	65	ENE 2	W 2	5	7	......	58.31	57.16	23.6	31.5	95	66	WSW 3	W 3	2	5	......
16..	58.28	56.33	23.6	31.4	98	70	ENE 1	W 3	2	6	......	58.94	57.75	24.5	32	96	58	E 2	W 2	8	7	......
17..	58.38	57.74	23.9	29.5	97	76	NE 2	W 3	6	6	10.2	58.37	57.72	27.5	31	82	72	W 4	W 4	4	4	......
18..	58.05	56.98	23	29	97	75	NE 2	S 2	5	9	9.7	57.60	55.90	27.7	28.7	84	83	W 4	W 5	8	10	4.8
19..	56.83	56.26	23.3	28.5	97	74	ENE 2	ENE 2	10	8	3	55.34	54.74	27.5	28	82	77	W 6	W 6	10	10	3.3
20..	56.29	55.86	22.8	28.6	97	80	ENE 2	N 2	7	10	1	55.02	55.83	27.5	29.5	73	69	WSW 5	SW 4	10	8	......
21..	55.75	54.92	23	31.7	97	72	ENE 1	W 3	6	8	21.6	58.96	57.63	25.5	32.1	84	57	SE 2	WSW 2	5	4	......
22..	56.43	55.34	24	28	97	79	NE 1	NW 3	8	10	6.4	58.98	57.18	22	31.5	96	64	NE 2	WbyN 3	1	2	......
23..	56.30	55.35	24	27.2	95	86	NE 2	WNW 3	9	9	8.4	57.26	56.23	27.5	30.5	81	65	WbyN 4	WbyN 4	6	5	......
24..	56.83	55.52	24.1	31.3	97	62	NE 2	W 2	9	3	......	56.07	55.45	28.2	31.4	72	68	W 4	W 3	10	9	......
25..	57.32	56.09	24	31.5	96	66	NE 2	W 3	9	8	1.3	56.68	55.60	27.4?	32	76?	59	WSW 3	WSW 3	7	4	......
26..	56.02	54.01	27.5	28.2	85	80	W 4	W 5	10	10	36.1	57.47	57.77	24	32.6	94	57	ENE 2	WNW 3	4	7	......
27..	53.95	53.93	26.7	28.2	83	74	WbyS 4	WSW 4	10	10	3.3	59.44	57.67	24	30	96	71	E 1	WNW 3	9	8	......
28..	54.48	55.24	27	28.7	77	71	WSW 4	WSW 5	10	10	......	57.07	56.15	23.6	29	95	76	WNW 2	WNW 3	6	8	9.4
29..	54.53	53.60	27.2	32	79	65	WSW 3	W 3	9	8	......	55.03	55.59	27	25	87	92	WbyN 5	WbyS 6	10	10	61.2
30..	54.02	53.32	28.3	31.2	75	66	WbyS 4	WbyS 3	10	9	......	56.09	56.04	26.6	29.1	78	68	WSW 4	SW 3	10	10	5.1
31..	54.87	54.06	27.3	32.4	78	59	WSW 3	W 3	6	2	......	57.32	55.94	26.7	30.3	77	64	SW 4	SW 3	8	8	......
Mean	57.51	56.55	24.3	29.7	92.4	71.8	2.2	2.9	6.4	7.6	......	56.51	55.69	26.6	30.2	81.9	68.6	3.6	3.7	7.9	7.6	......
Total	.....	.....	....	....	....	....	....	....	....	....	217.6	.....	.....	....	....	....	....	....	....	....	....	121.6

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[a] The daily rainfall, 3.3 mm. of the 24th in the "Monthly Bulletin," page 103, belongs to the 23rd.

CATBALOGAN

[ϕ=11° 47′ N; λ=124° 54′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

Day.	SEPTEMBER.											OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0–12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0–12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm*
1..	57.22	56.20	25.5	31.8	85	58	S 2	WSW 3	4	4	19.8	58.38	56.64	21.6	30.4	98	71	ENE 1	W 3	3	4	1
2..	58.50	57.82	23.5	31.6	96	61	NE 2	NW 2	7	5	......	57.45	55.68	22.7	30.3	98	70	NE 2	WNW 3	4	5	......
3..	59.48	57.95	23.5	31.2	96	66	ENE 2	W 2	2	4	.3	57.64	56.17	24.2	31.2	95	71	N 1	WNW 3	9	4	6.1
4..	59.67	58.02	23	30.8	97	70	NE 2	W 3	1	5	......	58.17	56.83	25.1	30.9	88	69	N 2	W 3	7	5	1
5..	58.95	56.53	23.2	30.2	97	74	NE 2	W 3	7	6	7.4	58.08	56.29	24.1	30.4	96	72	NE 2	WNW 3	5	7	......
6..	57.87	57.12	24	24.8	97	93	NE 2	NE 2	9	8	12.2	57.74	56.73	23.6	29.8	97	74	NE 2	WNW 3	4	9	18
7..	57.30	56.38	24	26.4	97	86	ENE 1	NW 3	10	10	8.6	58.27	57.13	23.5	26.8	97	83	NE 1	NW 3	7	9	3.3
8..	56.63	56.40	24.6	27.2	93	80	ENE 2	W 3	10	10	16.5	57.73	55.86	23.5	27.2	96	83	NE 2	S 2	5	7	6.9
9..	58.04	56.39	24	26.5	93	87	NW 2	NW 3	10	10	2.1	57.48	56.25	24.4	30	91	69	SSE 2	SW 3	7	4	36.8
10..	56.93	56.23	24.5	26.3	96	82	NE 1	N 1	10	10	23.9	57.93	56.95	23.6	30.1	97	65	SE 1	SW 2	9	7	.3
11..	55.64	54.86	24.2	25.5	94	84	WNW 3	WNW 4	10	10	11.7	58.80	57.91	24.5	29.5	94	72	E 1	SW 2	9	9	2.5
12..	54.06	53.90	26.6?	23.7	76?	95	WbyN 5	WNW 5	10	10	16	60.46	58.85	22.5	30.4	96	77	ENE 2	NW 3	3	7	4.6
13..	55.23	54.53	26	30.2	82	70	SWbyW 4	WSW 3	10	8	1	59.18	57.28	25.5	27.1	91	87	N 2	N 2	9	10	49.3
14..	57.34	56.18	25	30.5	91	72	SW 3	W 3	9	7	10.9	55	53.81	24.7	27.2	92	78	NNE 2	ESE 4	8	10	8.4
15..	57.74	56.55	24.5	30	96	75	NE 2	WNW 3	10	4	.3	56.72	55.29	25.1	30.5	84	66	SE 2	W 2	7	7	......
16..	58.43	56.99	24.5	29.1	96	71	N 1	NW 3	9	8	13.2	58.18	56.62	24	31.1	96	62	ENE 1	WNW 3	2	3	......
17..	59.70	58.26	24	26.6	97	82	N 1	N 2	10	10	14.4	58.67	57.32	23	31.5	96	60	ENE 2	W 3	1	1	......
18..	60.56	58.55	22.5	29	97	75	E 1	W 2	9	8	1.6	57.98	56.46	23.5	31	96	69	NE 2	W 3	5	6	......
19..	60.11	58.44	22.2	28.8	98	76	NE 2	NW 2	1	8	24.9	57.87	55.67	25	31	96	75	NW 2	WNW 3	3	7	......
20..	59.38	57.45	21.9	30.3	97	68	ENE 2	W 3	1	4	53.1	58.08	57.25	24	26.7	97	90	NE 2	WNW 2	7	9	34.8
21..	59.49	57.57	23.5	31	96	63	E 2	W 3	2	4	......	59.35	58.05	21.5	28	98	80	ENE 1	NE 2	7	7	6.6
22..	59.73	57.94	22.8	30.6	97	71	ENE 2	ENE 2	3	7	.3	59.76	57.89	21.5	30	98	71	NE 2	W 3	1	7	......
23..	59.48	57.97	21.2	31	98	69	NE 2	W 3	2	5	......	59.49	58.26	22.5	26.5	96	90	NE 2	NE 2	3	9	31.8
24..	58.92	57.94	21	28.2	98	82	NE 1	W 3	1	8	1	59.43	57.90	23	27.5	97	78	NE 2	E 2	3	7	......
25..	59.08	57.81	23	29.5	97	80	NE 2	NW 3	5	7	2.1	59.63	58.09	24	28	91	79	ENE 2	ENE 2	2	8	......
26..	59.70	57.96	22.5	30.8	97	71	NE 2	W 3	3	6	......	60.52	58.65	23.9	25	97	92	E 1	NE 2	7	10	22.9
27..	59.05	57.79	22.4	30	98	70	NE 1	W 3	7	8	5.6	60.26	58.58	22.4	30.7	97	63	ENE 1	W 3	4	5	.3
28..	58.51	57.49	22.5	30	97	70	ENE 2	W 3	3	7	1	59.93	57.89	23.2	30.6	98	66	NE. 2	E 3	6	5	1.8
29..	59.14	57.23	22.8	26.5	98	84	ENE 1	NE 2	4	9	7.4	59.13	57.15	23.9	27.1	97	82	NE 1	E 2	7	9	11.7
30..	59.56	56.73	22.2	29.6	98	71	ENE 1	W 3	2	5	......	58.85	57.89	23.2	26.1	98	86	ENE 1	SE 2	5	10	5.4
31..	.....	.....	....	.....	....	....	....	....	....	....	......	59.15	57.55	23.8	30	97	71	ENE 2	SE 3	9	5	.3
Mean	58.38	57.04	23.5	28.9	94.8	75.2	1.9	2.8	6	7.2	......	58.56	57.06	23.6	29.1	95.3	74.9	1.6	2.6	5.4	6.8	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	255.3	.....	.....	.....	.....	.....	.....	....	....	....	....	253.8

Day.	NOVEMBER.											DECEMBER.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.73	57.94	23.5	30	96	71	ENE 1	NE 3	7	8	1	59.50	57.37	22.6	28.2	97	79	E 1	ENE 2	9	9	2.3
2..	59.82	57.87	23	31.8	97	55	ENE 1	E 3	6	4	1.5	59.26	58.32	22.2	24.6	97	92	E 1	NE 2	7	10	20.1
3..	59.40	57.52	23.4	31	97	59	NE 1	ENE 4	5	6	3.6	58.14	55.91	22.9	26.1	97	84	ENE 1	NE 1	10	10	18.5
4..	58.94	57.40	26.5	29.7	84	77	ENE 3	E 3	4	7	6.1	55.77	55.36	24.5	25.8	95	92	E 2	ESE 2	10	10	3.8
5..	58.53	56.93	24.3	29.6	97	78	ENE 2	E 2	4	7	2.5	56.58	55.96	24.8	30.4	93	72	E 3	SE 3	10	9	......
6..	58.35	57.16	24	27.7	96	82	ENE 2	NE 2	4	10	4.8	58.18	56.92	23	30.4	97	72	E 2	E 2	3	8	......
7..	59.48	57.81	23.6	29.3	93	66	E 2	NE 3	5	7	......	59	57.23	22.4	30.4	97	72	N 1	NE 1	1	8	15.7
8..	59.15	57.19	23	28.8	96	73	E 2	ENE 2	9	6	.8	59.21	57.39	22.2	28.5	98	82	N 1	W 2	5	8	......
9..	57.98	56.38	23.2	30	95	69	ENE 2	W 3	8	6	......	58.36	57.44	20.9	27	99	77	Calm	NNE 2	2	9	1.3
10..	57.71	56.22	25.3	30.5	93	71	W 2	W 3	10	6	14.2	59.60	57.09	22	27.4	96	73	ENE 1	NE 2	7	8	1
11..	56.87	55.31	26.1	30.1	90	70	WNW 3	WNW 2	10	9	2.5	59.96	57.52	21.5	30.8	97	60	NE 1	E 3	3	5	......
12..	57.32	56.25	24.7	29.3	92	74	ENE 1	WNW 2	7	9	1.8	59.26	57.92	23	25	97	93	NE 2	E 2	10	10	15.8
13..	57.28	56.45	24.8	27.5	94	81	N 2	W 3	8	10	8.1	58.87	56.54	21.3	27.4	98	84	E 1	ENE 1	4	9	4.8
14..	57.03	55.78	25.6	27.2	93	83	WNW 4	W 4	10	10	21.6	58.29	56.04	21.1	29.4	98	73	E 1	W 3	1	3	......
15..	55.48	54.18	25.6	25.4	93	93	W 6	W 6	10	10	86.6	58.40	57.11	20.2	29.5	98	70	E 1	W 3	0	2	......
16..	55.03	53.50	25	24.6	96	97	WNW 6	W 6	10	10	59.2	59.05	58.09	22	27.6	99	81	E 1	Calm	3	9	22.6
17..	54.56	55.63	24	25	96	92	SSW 5	SSE 4	10	10	23.9	59.69	58.45	23.2	28.8	96	78	E 1	W 3	10	7	......
18..	58.38	56.71	24.8	31.4	96	63	E 3	S 2	5	7	1	60.11	58.61	24	27	95	84	E 1	N 1	8	9	6.4
19..	58.59	57.01	22.7	28.2	97	76	ESE 2	E 2	4	7	......	60.13	59.91	23.5	27	97	86	E 1	E 2	10	10	35.3
20..	58.94	56.35	22.5	30.4	96	71	E 1	W 2	3	3	1.3	61.23	59.94	23	29.5	97	69	N 1	ENE 1	10	8	......
21..	57.40	55.78	22.4	30	96	75	N 2	W 3	7	7	1	61.41	59.55	23.5	28.5	97	69	E 1	ENE 2	10	9	......
22..	57.53	56.95	25.6	26	95	94	W 3	WNW 3	9	10	10.2	61.71	60.33	22.9	24.7	96	92	E 1	E 1	10	10	30
23..	59.35	58.24	22.5	28.8	98	69	Calm	NW 3	9	9	......	61.13	59.02	22.4	28.4	98	80	E 1	W 3	10	9	......
24..	59.91	57.91	21.4	28	98	74	N 2	N 3	5	6	1	59.85	58.75	23.3	27.6	97	78	ENE 1	NE 2	9	9	1.5
25..	59.77	58.04	19.2	27.7	98	75	N 2	N 3	6	7	.8	59.01	58.11	21.5	29	99	78	E 1	W 3	1	8	7.1
26..	58.95	57.78	21.2	24.8	97	95	N 1	N 2	9	10	27.2	60.18	59.22	23.5	24	97	97	E 1	ENE 1	9	10	53.3
27..	57.36	57.05	23	28.4	98	82	E 2	E 3	10	9	1.8	59.55	58.26	23.3	28.5	98	80	ENE 1	W 3	10	7	......
28..	59.70	58.07	22.8	30.4	97	63	E 1	E 3	10	8	.5	59.74	58.19	22.4	30.5	98	74	NE 1	WSW 3	1	4	......
29..	60.52	58.64	22.8	27.7	97	84	NE 2	NE 2	7	10	13	60.18	58.86	22.4	27	98	85	ENE 1	NE 2	4	10	53.9
30..	59.27	57.79	23.9	28.1	98	85	ENE 1	ENE 2	9	9	8.1	60.78	60.08	23	24	99	96	NE 1	NNE 2	10	10	54.3
31..	.....	.....	....	.....	....	....	....	....	....	....	......	61.06	59.91	23	25.5	96	87	NE 2	NE 3	10	10	1.5
Mean	58.28	56.86	23.7	28.6	95.3	76.6	2.2	2.9	7.3	7.9	......	59.46	58.05	22.6	27.7	97.1	80.3	1.2	2	6.7	8.3	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	304.1	.....	.....	.....	.....	.....	.....	....	....	....	....	349.2

MASBATE

[φ=12° 22′ N; λ=123° 36′ E; barometer above sea, 3.5 meters; gravity correction not applied, —1.79 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	61.51	60.32	25.2	26.8	....	....	NE 1	SW 2	8	7	4.9
2..	61.25	60.30	25.2	28.4	....	....	NE 1	SE 2	10	7	4.6
3..	61.99	60.82	24.4	28.4	....	....	NE 2	E 2	8	6	11.4
4..	62.32	61.50	24	26.5	....	....	Calm	N 3	10	8	3.8
5..	62.72	62.07	24.2	29.2	....	....	NE 2	E 2	8	4	1.5
6..	64.27	63.20	24.2	27.8	....	....	NE 2	NE 3	10	6	4.6
7..	63.29	61.97	25	27.5	....	....	E 3	NE 3	7	8	2.5
8..	62.92	61.03	24.5	29	....	....	N 2	E 3	10	3	......
9..	61.33	60.20	23	29.6	....	....	SE 2	ESE 3	4	4	......
10..	60.72	59.15	23.5	27.8	....	....	SE 2	NNW 3	2	6	......
11..	60.07	59.15	23.5	30	....	....	Calm	SE 2	3	3	......
12..	60.22	59.60	23.5	30.4	....	....	Calm	E 2	5	6	......
13..	60.76	60.22	23.4	29	....	....	SE 2	SE 2	7	4	......
14..	62.54	62.24	22.5	28.6	....	....	W 3	SE 3	7	4	......
15..	62.79	61.82	23.6	27.6	....	....	W 2	N 3	10	4	3.6
16..	62.97	61.72	23	28.5	....	....	Calm	E 3	10	9	.3
17..	63.42	62.85	24.4	28.4	....	....	NNE 3	NE 3	2	6	......
18..	64.18	63.37	24	29	....	....	N 3	E 3	4	3	......
19..	64.14	63.42	23	29	....	....	N 2	E 3	6	4	......
20..	63.87	62.13	23.2	28.5	....	....	NE 2	NE 3	10	7	......
21..	63.59	62.27	24.4	28	....	....	N 3	NNE 3	6	7	......
22..	63.43	62.31	23.5	28.2	....	....	NE 2	NE 3	4	3	......
23..	62.44	61.23	24.2	29.4	....	....	N 3	NE 3	3	4	......
24..	61.90	60.80	25.2	29.5	....	....	NNE 3	N 3	8	6	4.8
25..	61.55	60.65	24.2	27.2	....	....	NE 1	N 3	10	7	2
26..	62.14	61.57	24.2	27.5	....	....	NE 2	NE 3	4	6	......
27..	62.38	61.11	23	28.6	....	....	SE 2	NE 3	9	4	......
28..	61.92	60.97	23	28.6	....	....	NE 1	E 3	4	3	......
29..	61.94	61.52	22.4	28.8	....	....	SE 2	E 2	6	4	......
30..	62.19	61.15	22.5	28	....	....	SSE 2	NNW 3	2	4	......
31..	62.03	60.81	22.5	29.6	....	....	Calm	E 3	1	3	......
Mean	62.35	61.34	23.8	28.5	....	....	1.8	2.7	6.4	5.2	......
Total	.....	.....	....	....	....	....	....	....	....	....	44

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	62.47	61.33	23.8	29.4	88	59	E 1	SE 3	7	2	0.3
2..	63.04	62.03	23.5	29.4	84	57	E 2	E 3	4	1	......
3..	64.04	62.08	23.2	29.2	83	62	NW 2	NE 3	7	3	.3
4..	64.22	62.97	22.4	28.6	86	63	NE 1	NNW 3	6	6	......
5..	65	63.52	25	28.2	72	51	N 4	N 4	5	8	1
6..	65.37	63.47	23.5	27.8	91	70	E 3	NE 3	8	7	3.8
7..	65.15	63.33	24	28.5	83	70	NE 3	E 3	10	10	......
8..	64.12	62.93	23.6	29.8	91	66	E 1	E 3	3	5	1.5
9..	63.57	62.68	23.5	29.6	87	58	NE 1	NE 3	4	5	.8
10..	63.17	61.90	23.6	26	91	78	NE 1	NE 3	7	10	2.3
11..	63.38	61.85	23.8	28.4	83	66	N 3	NNW 3	7	7	8.6
12..	62.82	61.10	23	29.5	91	64	Calm	NE 3	9	5	......
13..	62.06	61.22	24	29	93	67	NE 1	E 2	9	5	......
14..	62.42	61.50	23	29.6	91	61	SE 1	NE 3	3	7	......
15..	63.02	61.45	24.5	29.5	84	61	NE 3	N 2	4	10	......
16..	62.12	60.75	24.5	28.5	91	74	NW 4	NW 4	10	3	......
17..	60.86	59.45	24.4	28.4	90	70	NW 3	NNW 3	10	4	......
18..	60.34	59.33	23.8	29.6	88	62	E 2	E 3	7	3	......
19..	61.52	59.78	23.5	30	87	62	SE 2	SE 3	4	3	......
20..	61.75	59.90	24.2	29.6	86	63	NE 1	E 3	7	8	......
21..	60.43	59.24	25	30.4	88	56	NE 1	E 3	10	3	......
22..	59.43	58.11	24.5	30.5	92	65	E 2	E 3	4	2	......
23..	59.95	58.78	24	30.6	95	65	Calm	E 3	8	3	......
24..	60.85	59.30	24.6	30.5	88	54	E 2	E 3	6	4	......
25..	60.67	59.39	23.4	29.6	90	56	E 1	E 3	7	4	......
26..	61.11	61.07	24.6	26	77	80	N 3	SW 1	8	10	2.8
27..	61.82	61.07	23.5	28.2	91	69	NE 1	NE 3	7	7	.8
28..	61.67	60.35	24.6	30.4	83	60	NE 1	SE 3	7	4	......
29..	.....	.....	....	....	....	....	....	....	....	....	......
30..	.....	.....	....	....	....	....	....	....	....	....	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	62.37	61.07	23.9	29.1	87.3	63.9	1.8	2.9	6.7	5.3	......
Total	.....	.....	....	....	....	....	....	....	....	....	22.2

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.95	60.65	25.4	29.2	74	60	N 2	E 2	10	6	......
2..	60.69	60.60	23	30.5	88	60	SE 1	NE 1	7	6	......
3..	62.19	61.29	24	30	87	55	E 2	NE 3	5	4	......
4..	62.44	61.70	23.6	30	88	49	E 2	E 3	6	6	......
5..	62.64	61.49	21.8	30	91	53	SE 2	NE 2	3	3	......
6..	62.27	60.85	23	30.6	87	51	SE 2	E 3	6	4	......
7..	61.85	61.10	24.2	29.8	86	55	E 1	NE 3	7	6	0.3
8..	61.77	60.62	23.2	28.8	91	65	SE 2	SE 3	10	7	5.1
9..	61.65	60.60	23.8	27.5	93	78	NW 3	NE 3	10	10	2.6
10..	62.19	61.10	24.2	30	85	60	NE 3	ESE 3	10	7	.5
11..	62.24	60.63	23.6	29.4	88	66	E 2	NE 3	8	3	.5
12..	62.06	61.38	23.5	28.2	92	72	E 1	NW 3	7	6	......
13..	61.78	61	25	30.6	88	58	E 2	SE 3	7	4	......
14..	61.62	60.88	23.2	31	90	56	SE 2	E 3	4	6	......
15..	62.09	61.40	23.5	28.5	94	70	ESE 3	NNW 3	10	8	1.3
16..	61.97	60.60	23.5	31.6	85	53	NE 1	E 3	2	4	......
17..	61.41	61.35	23.5	27.6	89	77	E 1	NW 4	4	8	......
18..	62.07	61.53	24.5	31.2	81	54	NE 2	E 2	10	4	......
19..	62.60	61.68	24.2	31.5	91	56	E 2	E 2	7	6	......
20..	62.27	61.33	25	32	87	55	E 3	E 2	4	3	......
21..	61.29	60.39	23.2	30.8	91	50	E 1	SE 2	3	2	......
22..	61.12	59.90	23	31.6	95	48	SE 2	ESE 2	1	4	......
23..	61.10	59.73	23.5	30.6	94	55	SE 2	SE 2	4	3	......
24..	60.80	59.60	25	30	85	60	E 2	SE 3	6	4	......
25..	60.49	59.45	23.8	30	90	65	Calm	SE 3	4	6	......
26..	61.51	59.65	24.5	30.2	82	55	NE 2	N 1	4	8	.5
27..	60.54	59.31	24.4	31.6	84	57	NE 1	ESE 3	7	4	......
28..	60.45	59.25	24.8	31.8	88	59	N 1	E 3	5	7	2.5
29..	60.67	59.43	24.6	31.2	95	56	E 2	E 3	7	6	......
30..	60.25	58.33	24.2	32.6	90	44	E 1	NE 3	7	4	......
31..	59.30	58.12	24.5	30.8	87	62	NE 1	SE 3	7	8	......
Mean	61.49	60.48	23.9	30.3	88.3	58.5	1.7	2.6	6.2	5.4	......
Total	.....	.....	....	....	....	....	....	....	....	....	13.3

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.10	59.39	24.5	29.2	92	64	SE 1	E 2	4	4	......
2..	60.45	60.03	25	32.6	88	46	E 2	SE 3	7	5	......
3..	60.80	59.05	24.6	32	92	51	Calm	SE 2	7	6	......
4..	60	59.18	24.2	31	90	48	NE 1	E 2	7	3	......
5..	61.02	59.43	24	31.4	91	52	SE 1	E 3	6	6	......
6..	60.75	59.70	25	32.2	90	51	E 2	SE 3	9	5	......
7..	60.72	58.88	25.5	31.8	86	50	E 2	SE 3	4	4	......
8..	59.09	57.42	24.6	30.5	91	71	E 2	NW 3	8	10	......
9..	58.12	57.62	26.4	27.8	86	79	NE 2	NE 2	7	10	0.3
10..	58.32	57.18	25.2	31.5	92	60	E 2	E 3	7	6	......
11..	59.04	57.45	26	32	92	61	E 2	SE 3	8	5	......
12..	58.94	57.88	25.5	32.2	88	51	E 2	E 3	4	4	......
13..	59.52	57.95	24.8	32	90	51	N 1	E 2	4	3	......
14..	59.47	58.53	25.8	32.6	88	55	E 2	SE 3	4	4	......
15..	60.32	59.03	26	32	90	58	E 1	ESE 3	7	5	......
16..	60.50	58.95	25.4	32.6	88	54	SE 2	ESE 3	4	4	.8
17..	59.67	58.50	25.5	31	92	68	SE 1	E 3	10	5	.5
18..	59.20	58.68	26.2	32.6	90	56	Calm	SE 3	6	4	......
19..	60.32	59.85	26.2	31.5	87	62	E 2	E 3	4	6	......
20..	61.32	60.38	26.2	33	92	53	E 2	E 3	6	4	......
21..	61.92	59.63	26	32.6	84	54	NE 1	NE 3	7	5	......
22..	60.72	59.38	25.5	32	92	55	E 1	SE 3	6	6	......
23..	61.25	59.25	26	32.6	89	59	SE 1	SE 3	7	6	......
24..	61.07	59.70	26.2	33.2	87	55	E 2	SE 3	4	4	......
25..	61	59.28	26.5	32.8	85	52	E 2	E 2	6	4	......
26..	60.32	58.58	26.2	33.2	84	41	E 2	E 2	5	5	......
27..	59.47	57.68	26.4	34	84	45	E 1	SE 2	6	6	......
28..	59.22	57.73	26.5	32	80	57	E 2	SE 2	6	6	......
29..	59.14	58.53	26.8	32	82	58	SE 2	E 3	7	7	......
30..	60.07	58.43	26.2	32.6	81	49	E 2	SE 3	5	4	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	60.06	58.78	25.6	32	88.1	55.5	1.5	2.7	6.1	5.2	......
Total	.....	.....	....	....	....	....	....	....	....	....	1.6

MASBATE

[φ=12° 22′ N; λ=123° 36′ E; barometer above sea, 3.5 meters; gravity correction not applied, −1.79 mm.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.22	58.18	25.6	33.5	84	50	S 1	SE 3	2	4	......
2..	60.22	58.11	26.5	34	80	45	SE 3	E 3	6	4	......
3..	59.71	58.33	26.8	32.6	74	53	N 2	NE 3	5	5	0.5
4..	59.52	58.58	26	33.8	88	46	E 1	E 3	7	3	1.3
5..	60.50	59.89	26.4	29.4	82	71	NE 2	E 2	7	6	2
6..	60.47	58.85	26.8	33	84	54	E 2	ESE 3	5	6	......
7..	59.87	58.43	26	34.2	88	48	Calm	SE 2	6	4	......
8..	58.95	58.21	27	33.8	84	47	E 1	E 2	7	6	......
9..	59.62	58.23	26.4	33.2	84	50	Calm	SE 2	4	3	......
10..	59.09	57.90	26.2	33.8	86	42	SW 1	SE 3	4	4	......
11..	58.17	56.91	27	30.5	81	60	SE 1	SE 2	6	7	......
12..	58.50	56.81	26.5	33.8	90	46	Calm	SE 2	6	4	......
13..	58.57	57.06	27.8	34	82	45	SE 2	SE 3	7	4	......
14..	58.42	56.81	27.2	33.5	84	47	Calm	SE 3	5	4	......
15..	57.45	56.67	26.5	32.2	90	56	SW 1	NE 2	7	7	......
16..	57.47	56.28	26.5	30.8	88	64	Calm	SW 2	6	7	......
17..	57.62	56	27.4	31.2	85	58	S 2	SW 3	7	6	......
18..	57.75	56.14	27.5	28	79	86	W 2	W 1	8	7	43.2
19..	58.20	56.59	26	32.2	88	65	W 1	SE 2	7	7	......
20..	59.40	56.93	26.8	31.6	84	67	W 2	E 3	10	8	......
21..	59.70	58.16	27.2	33	89	58	SE 2	E 2	7	6	......
22..	58.97	57.33	28	34.8	81	36	SE 2	SE 3	6	6	......
23..	58.86	57.66	27.5	29	82	71	SE 2	SW 3	5	8	......
24..	58.85	57.85	27.5	30.6	85	71	SE 2	E 2	6	6	......
25..	58.95	57.78	26.6	30.4	87	68	Calm	SW 3	5	5	......
26..	58.62	56.82	27.2	31.4	87	63	SE 2	SW 3	6	7	......
27..	57.22	55.83	26.5	28.5	88	78	SW 3	N 2	6	7	39.7
28..	57.27	55.83	27	31.8	87	64	SW 3	N 2	8	7	1
29..	56.95	56.28	26.8	32.4	87	58	SE 1	E 2	7	6	4.3
30..	57.61	56.83	27.5	31.5	82	64	SE 2	SE 3	7	7	4.1
31..	59.15	58.18	26.5	32	84	58	NE 3	E 2	10	6	1.8
Mean	58.77	57.40	26.8	32.1	84.6	57.7	1.5	2.5	6.3	5.7	......
Total	....	....	....	....	....	....	....	....	....	....	97.9

JUNE.[a]

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.32	57.73	27.6	32	84	58	SE 1	E 3	4	6	......
2..	58.07	56.68	27.8	33	79	55	E 3	E 2	4	4	......
3..	57.42	56.11	27	32.6	81	53	E 2	SE 2	3	6	......
4..	57.70	56.43	27	32.4	86	50	Calm	E 2	4	7	......
5..	58.55	57.41	27.4	32.2	89	58	SW 1	SE 3	7	7	......
6..	58.87	57.92	27.5	30.5	87	67	SW 2	NNW 3	6	8	......
7..	59.32	57.26	27.5	33.4	87	55	SW 1	E 2	6	7	8.9
8..	57.90	57.10	26.5	26.8	90	89	SW 3	SW 3	8	10	205.2
9..	51.86	54.75	23.6	28.6	99	69	SSW 6	S 4	10	10	27.5
10..	56.09	56.38	26.2	27.6	86	77	S 4	S 4	10	10	2.5
11..	56.62	56	26.6	29	83	71	SE 2	S 4	6	10	......
12..	56.99	56.40	26.8	30.2	84	65	S 2	S 3	10	7	......
13..	57.90	57.03	27.2	31	80	62	SW 2	SW 3	7	6	1.5
14..	58.09	57.30	27.2	31.5	83	54	S 1	SSW 3	2	4	......
15..	58.62	57.21	28	31.8	79	59	S 3	SW 3	3	6	......
16..	58.42	57.73	27.4	31.5	83	60	S 3	SW 3	4	7	4.1
17..	59.10	57.50	27.5	32	85	61	SW 2	NW 2	7	7	......
18..	57.94	57.20	26	29.6	88	71	SW 2	W 3	6	10	.5
19..	56.97	56.57	27.4	26	80	84	SW 3	NW 4	7	10	2.8
20..	57.72	57.20	25.5	28.6	88	71	SW 3	SW 3	10	10	......
21..	58.47	57.83	25.2	30.8	90	64	SW 3	SW 3	4	7	1
22..	59.35	58.08	27.4	31.6	70	54	SW 3	SW 3	6	7	......
23..	58.50	57.78	27.4	30	76	71	SW 3	NW 3	4	9	......
24..	58.35	57.50	27.4	26.5	81	85	SW 3	SW 4	7	10	14.3
25..	57.84	56.16	24.6	28	87	80	SW 1	SW 3	10	10	6.3
26..	56.34	55.89	26.5	25.6	82	82	SW 3	SSW 4	10	10	23.9
27..	57.89	57.20	27.2	30.6	78	70	S 3	E 2	9	6	......
28..	59.19	57.96	26	32.2	79	56	SW 1	E 2	3	4	......
29..	59.47	57.50	27.5	31.8	85	58	E 2	NNW 3	7	7	2.8
30..	57.07	56.05	27.2	27.5	84	84	NW 3	NW 4	7	10	40.9
31..	....	....	....	....	....	....	....	....	....	....	......
Mean	57.86	57	26.8	30.2	83.8	66.4	2.4	3	6.4	7.7	......
Total	....	....	....	....	....	....	....	....	....	....	342.2

JULY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	54.62	54.27	24.8	28.2	90	72	SW 3	SW 3	10	10	1.1
2..	55.77	56.70	26.5	26.5	76	82	S 4	SW 4	10	10	......
3..	59.62	59.10	25.6	31.8	85	56	SE 2	S 3	7	7	......
4..	60.70	59.30	25.6	31.8	91	61	SW 1	E 2	7	6	6.9
5..	59.83	58.90	25.2	29	92	68	SW 3	NNW 3	7	7	......
6..	59.37	58.53	25.6	29.4	90	70	Calm	SSW 2	8	8	1.8
7..	60.27	59.98	25.8	28.2	90	76	SSW 2	SW 3	10	10	2.6
8..	60.25	59.43	26.5	32.4	90	60	SW 2	E 2	7	6	......
9..	59.70	58.23	27.6	32.6	84	56	Calm	E 1	6	4	......
10..	59.07	57.48	27.2	30.5	86	71	Calm	SSW 2	5	6	.3
11..	58.88	58.12	26.5	28.5	90	78	W 1	SW 2	6	8	......
12..	59.92	58.73	26.8	32.2	90	54	Calm	E 2	7	4	......
13..	58.86	58.43	26.8	29.6	90	70	Calm	E 2	6	8	......
14..	59.09	57.98	26	30.5	89	70	SE 2	NNE 3	4	7	......
15..	58.57	57.47	26.4	27.2	86	83	SW 2	SW 3	6	7	4.3
16..	58.04	57.45	26	24.5	88	87	S 2	SW 4	5	8	2
17..	58.57	57.91	25	32.4	90	63	SW 2	Calm	6	7	......
18..	58.03	57.15	26.6	30.8	87	65	SW 1	N 2	7	7	......
19..	57.19	56.08	26	26.6	88	81	SW 3	NNW 4	9	10	1
20..	56.57	56.28	25.2	29	92	74	E 1	N 1	7	10	......
21..	56.02	55.31	25.4	31.4	92	63	Calm	E 1	8	8	1.3
22..	56.49	55.60	25.5	28.2	91	80	SW 2	NW 1	8	9	49
23..	56.02	55.52	25.6	25	84	92	SSW 3	S 1	10	10	40.3
24..	56.53	55.55	24.4	31	93	63	ESE 2	SW 3	10	8	13.7
25..	57.29	56.08	25	30.2	93	68	W 1	W 3	9	10	3.3
26..	56.89	54.52	26.2	29.8	82	63	SW 3	WSW 4	10	10	......
27..	53.77	53.37	27.5	29	76	72	SW 4	SW 4	9	10	3.3
28..	54.79	55.37	26.6	27.8	83	73	SSW 3	SSW 4	10	10	5.1
29..	54.34	53.55	26.5	30	82	66	SW 3	SW 5	7	9	......
30..	53.82	53.15	27.4	30.8	83	58	SW 4	SW 5	9	7	......
31..	54.82	53.87	27.4	32	83	61	SW 3	SSW 3	8	5	......
Mean	57.54	56.76	26.1	29.6	87.3	69.5	1.9	2.6	7.7	7.9	......
Total	....	....	....	....	....	....	....	....	....	....	136

AUGUST.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	55.62	54.33	27.8	32.4	79	55	SSW 3	SW 4	7	6	0.8
2..	55.32	55.25	27.5	29.6	76	74	SSW 4	SSW 4	8	10	11.7
3..	56.19	55.14	26	27.4	89	85	SSW 3	SSW 3	10	10	50.6
4..	55.67	54.70	26.4	29.5	81	68	SSW 4	SW 4	10	8	7.4
5..	56.02	55.77	26	29.5	84	71	SW 4	SSW 3	10	8	4.8
6..	55.95	54.64	27.4	29.2	81	74	SW 3	SSW 4	10	8	.5
7..	54.14	53.18	27.4	30.6	83	68	SSW 4	SSW 4	8	8	......
8..	52.97	52.76	27.2	31.6	86	60	SSW 4	SSW 4	7	7	4.1
9..	53.84	53.50	27.2	30.5	83	62	SSW 4	SW 5	8	8	1.3
10..	54.77	53.80	26.5	29.6	83	64	SW 4	SW 4	10	9	......
11..	54.27	53.53	27.8	31	79	51	SW 4	SW 5	10	8	3
12..	54.17	53.58	27.4	31	71	57	SW 4	SSW 4	9	7	......
13..	55.52	55.45	27.2	29.8	80	73	SW 4	S 3	8	10	6.9
14..	57.40	56.43	25.5	29.6	89	70	SW 3	SSW 3	7	7	......
15..	57.12	56.90	26.2	31	79	57	SSW 3	SW 4	7	7	3.3
16..	58.22	57.88	26	30.5	85	68	SW 3	SW 3	8	7	......
17..	58.60	57.65	27	30.6	84	64	SW 3	W 3	7	6	......
18..	58.20	56.30	26.5	31.4	88	57	W 2	WNW 3	6	7	......
19..	56.40	55.45	27.2	28.8	77	68	W 3	W 4	8	8	1.8
20..	54.15	55.04	27.6	26	74	79	SW 5	SW 4	10	10	29.3
21..	58.44	57.60	26	30	85	68	SW 3	S 3	10	7	......
22..	58.95	57.43	25	30.5	90	70	SE 2	N 3	4	7	......
23..	57.60	56.35	27	30.6	81	65	SW 3	SW 3	8	6	......
24..	55.97	55.35	27.5	30.6	79	59	SW 3	SW 5	8	6	......
25..	56.45	53.43	27.4	31.4	81	63	SSW 3	SW 4	8	7	1
26..	57.15	58.03	26.2	30.5	76	65	S 3	S 3	7	7	......
27..	59.40	57.48	25.4	30.6	84	58	E 2	W 4	7	7	......
28..	57.42	56.47	24.6	30	91	65	WSW 3	W 3	6	8	2.8
29..	55.79	55.17	26.6	25.5	83	86	W 3	SW 3	10	10	10.6
30..	55.47	56.03	26.6	27	72	70	SW 5	SW 5	10	10	......
31..	55.99	55.30	25.2	30.8	77	59	SSW 4	SSW 3	8	6	2.5
Mean	56.23	55.48	26.6	29.9	81.6	66.2	3.4	3.7	8.2	7.7	......
Total	....	....	....	....	....	....	....	....	....	....	142.4

[a] The total rainfall in the "Monthly Bulletin," pages 118 and 127 should be 342.2 mm. instead of 302.1 mm.

MASBATE

[ϕ=12° 22′ N; λ=123° 36′ E; barometer above sea, 3.5 meters; gravity correction not applied, −1.79 mm.]

Day.	SEPTEMBER.											OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	56.65	55.85	26	28.6	85	72	S 2	SW 4	7	7	......	58.57	57.18	26.5	29.8	80	71	NW 3	NNW 3	4	5	......
2..	58.32	57.78	25.2	31	86	62	W 1	SW 3	7	6	......	57.54	56.03	26.6	30	86	67	WSW 3	NNW 4	6	6	......
3..	59.43	58.48	24.8	30.6	89	69	W 2	E 2	7	7	......	57.74	56.23	26.2	30	89	69	W 3	NNW 4	7	4	......
4..	59.65	58.53	25.4	30.4	93	66	SW 2	NNW 3	2	4	......	58.32	56.78	26.4	29.4	86	72	NW 3	N 1	7	8	......
5..	58.95	57.13	27	31	80	63	N 3	NNW 3	6	4	......	58.14	56.37	26.2	28.2	90	85	SW 1	SE 2	7	7	5.1
6..	58.02	56.98	27	30.5	80	59	NNW 3	NW 3	6	7	3.3	58.09	56.43	25.8	31.5	93	65	S 1	NW 3	7	6	3
7..	57.24	56.79	25.6	27.6	88	77	SW 1	Calm	8	10	......	58.42	57.47	25.6	27	91	83	W 3	NNW 3	7	10	6.3
8..	56.84	56.52	25.5	27.8	84	79	SW 2	SW 3	7	10	4.1	57.79	56.24	25	26	88	85	SW 2	NW 2	6	10	25.4
9..	58.09	57.02	24.5	27.2	89	80	S 2	NNW 3	10	9	11.2	57.04	56.07	25.4	28.2	90	73	SW 2	SSW 3	10	8	6.3
10..	57.29	56.47	24.6	26	91	89	SW 2	SW 1	10	10	11.5	57.47	56.85	25.6	29.6	85	64	SSW 3	S 3	10	7	......
11..	56.01	55.79	25	24.5	87	89	NW 2	SE 2	10	10	13	59.14	57.99	25	28	93	85	SW 3	SE 2	10	7	1
12..	54.44	54.13	26	26.5	82	80	SW 3	W 3	10	10	1.3	60.52	59.08	25.6	29.2	93	72	SW 2	NNE 2	7	7	......
13..	55.12	54.70	26	28.6	81	71	SSW 3	SW 3	10	8	......	59.70	57.85	27.5	30.4	75	63	N 2	NW 4	7	7	10.2
14..	57.19	56.05	25.2	29.8	86	65	SE 2	SW 3	8	7	......	56.99	54.02	26.5	27.8	82	82	NW 4	NE 3	10	8	10.2
15..	57.62	56.54	25	28.6	88	76	SW 3	NNW 3	10	7	5.9	56.47	55.60	25	28.2	87	77	SE 2	SE 2	7	10	4.6
16..	58.27	57.07	24.5	25	92	97	S 1	W 2	7	7	31.8	58.02	56.65	25	31	90	63	SSE 2	SSW 3	7	4	......
17..	59.85	58.83	25	27	92	80	NNW 3	NW 3	10	10	3.3	58.59	57.13	25	30.4	93	66	WSW 3	NNE 3	3	7	......
18..	60.56	59.07	25	28.8	88	73	SE 1	NNW 3	7	6	......	58.04	56.32	25.6	29.5	93	72	W 2	SE 2	4	8	4.3
19..	60.40	58.78	26	30	81	67	NE 2	SE 3	4	6	......	58.19	56	25.8	31.2	92	68	SW 2	NW 3	5	6	12.2
20..	59.47	57.73	25	30.8	90	65	Calm	SE 3	3	3	......	58.29	57.65	25.2	27.6	94	80	SW 3	E 3	7	10	6.1
21..	59.92	57.93	26.4	31.5	82	66	E 3	SE 3	7	6	......	59.55	58.72	26.5	28.2	73	68	NNE 2	NNE 3	7	7	......
22..	59.80	58.40	26	30.5	82	72	NE 2	E 2	6	6	......	60.05	58.50	26.2	29.2	79	71	NNE 2	NNW 3	7	6	......
23..	59.45	58.45	25	30	83	65	Calm	ESE 3	5	3	......	59.62	58.63	26	29.8	85	71	NE 1	NNE 2	6	7	4.1
24..	59.27	58.37	25.4	30.5	82	62	NE 3	NNW 2	3	4	......	59.27	58.05	25.8	28.6	90	78	W 2	SE 2	10	5	6.1
25..	59.37	58.43	26.5	30	83	73	N 3	E 2	4	7	.3	59.52	58.25	25.4	28.8	93	78	SE 1	SE 2	6	7	26.1
26..	60.05	58.69	26	31.5	89	63	NE 1	E 2	6	4	......	60.62	58.45	25	31.8	92	62	Calm	ESE 2	5	6	......
27..	59.24	58.17	25.8	30.4	85	66	N 2	NNW 3	6	5	......	60.43	59.09	25.5	30.5	92	66	W 2	NNW 2	6	7	......
28..	59.27	57.81	25.8	31.4	87	55	E 2	SE 2	6	4	......	59.82	58.55	25.6	30.8	87	72	NE 1	SE 3	6	7	......
29..	59.25	57.38	26.4	31.8	84	59	E 2	E 3	4	4	......	59.42	57.55	25.6	30.8	90	69	Calm	E 2	6	6	......
30..	59.57	57.35	26	31	81	59	ESE 1	N 2	2	4	......	59.09	57.88	26	30	90	75	NE 1	E 3	7	10	9.7
31..	.....	.....	....	....	....	....	....	....	....	....	......	59.40	57.92	25.2	30	92	69	E 1	SE 2	9	7	......
Mean	58.49	57.37	25.6	29.3	85.7	70.6	2	2.6	6.6	6.5	......	58.71	57.28	25.8	29.4	88.2	72.3	2	2.6	6.9	7.1	......
Total	.....	.....	....	....	....	....	....	....	....	....	85.7	.....	.....	....	....	....	....	....	....	....	....	140.7

	NOVEMBER.											DECEMBER.										
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.	mm.	mm.	°C.	°C.	P.ci.	P.ct.			0-10	0-10	mm.
1..	59.90	58.33	25.8	29.2	90	73	E 1	E 2	6	6	......	59.49	57.84	23.6	26.8	97	84	Calm	NE 3	7	10	2.3
2..	60.12	58.53	26	31	89	63	E 1	E 2	7	7	......	59.52	58.77	24.8	26.2	93	86	NE 1	E 2	7	10	2.1
3..	59.52	57.93	26	30.4	90	66	E 2	NE 2	7	7	2	58.47	56.97	25.6	27.5	88	82	NE 3	N 3	10	10	14.2
4..	59.20	58	26.6	30.4	87	69	NE 2	NE 3	10	6	6.6	56.31	55.37	25.4	26.6	85	84	NNE 3	NE 3	10	10	......
5..	58.95	57.48	26.5	30	92	73	ENE 2	ESE 3	8	7	.5	56.89	55.87	24.8	28.8	97	80	Calm	SE 3	7	7	.8
6..	58.59	57.10	26.4	30.4	89	69	N 2	E 1	7	6	......	57.77	56.80	24	28.4	97	82	SE 1	SE 2	6	7	......
7..	59.67	58.08	25.8	30	89	71	SE 1	E 3	7	6	.5	58.94	57.68	24	28.4	97	75	Calm	SSE 3	3	7	......
8..	59.30	57.67	25.5	29	91	71	NE 1	NE 1	10	6	......	59.24	57.98	24.2	30.5	97	65	Calm	E 1	5	4	......
9..	58.32	56.67	25	28.5	93	78	WSW 3	NW 1	7	7	3	58.97	58.40	24.5	28.6	96	73	SE 1	NE 3	6	7	......
10..	57.42	56.17	25.6	28.8	87	78	SW 3	NW 4	7	8	8.4	60.26	58.48	24.5	29	86	68	E 1	NE 3	7	7	2.8
11..	57.37	55.43	26	29.8	87	73	WSW 2	NNW 3	7	7	9.7	60.47	58.83	24.5	29.6	91	67	SE 1	NE 3	5	4	......
12..	57.39	56.57	26	30.6	90	68	NW 3	NNW 3	7	6	......	59.45	58.54	24.2	29	95	75	Calm	N 3	6	7	......
13..	57.77	57.17	26	28.6	88	70	W 1	NW 3	8	8	8.9	58.91	57.22	23.2	30.4	95	69	SSE 1	SE 2	3	4	......
14..	57.52	56.54	26	26	84	88	NW 4	NW 4	10	10	31.2	58.57	56.53	24.5	30.4	96	60	Calm	SE 2	6	2	......
15..	57.31	55.22	22.5	26.2	97	84	WNW 4	NW 5	10	10	17.2	58.63	57.60	23.6	28.5	98	78	Calm	NNW 3	3	4	......
16..	56.80	55.22	25	26	85	88	NW 3	NNE 5	10	10	40.1	59.16	58.50	23.5	28.5	97	74	Calm	NNE 2	5	3	25.1
17..	53.98	48.05	23.2	24.8	98	90	NW 6	NW 9	10	10	187.2	60.97	59.35	23	27.4	100	81	NE 3	NE 3	10	8	40.2
18..	57.56	56.77	24	29.5	91	68	SE 2	SSW 3	9	7	5.1	60.67	59.54	24.5	28	97	81	NNE 3	NE 3	8	10	.5
19..	58.58	57.29	24.6	26.6	95	87	Calm	Calm	6	7	......	61.17	61.27	24.8	26.4	95	75	NNW 4	NE 3	10	10	9.1
20..	58.83	56.97	24.5	30	96	65	SE 1	SE 2	5	5	......	61.72	60.85	24	29.2	91	71	NE 2	NE 3	10	8	......
21..	57.93	56.20	24.2	28.6	93	77	S 2	NNW 4	4	6	......	61.82	.....	25.5	....	88	....	E 2	....	7	....	......
22..	58.27	57.74	25.5	27	81	73	NNW 4	N 4	10	10	2.5	61.61	60.65	25	26	83	88	NE 3	E 1	7	10	7.3
23..	59.67	58.97	25.2	28.5	78	67	NNW 4	NNW 3	7	7	......	61.09	59.72	24.2	29	94	76	SE 1	SE 2	9	6	......
24..	59.97	59.15	24.5	26.6	76	69	NE 1	NE 3	8	10	......	60.02	58.71	25	29	93	75	NW 2	NNW 3	7	7	3.3
25..	60.04	59.09	24.4	25.4	75	82	NNE 2	NE 3	7	9	......	59.12	58.65	25.8	28.4	89	77	N 3	NNW 3	10	7	.8
26..	59.92	58.05	25	27.6	80	76	NNW 4	NNW 3	7	10	13.5	60	59.22	25.8	25.2	85	95	N 3	SE 2	6	10	8.1
27..	57.99	57.14	25.4	26.6	88	90	NW 4	NE 3	10	10	5.8	59.85	58.99	25.5	28.4	92	77	NW 2	NNW 3	10	8	......
28..	59.62	58.85	24.2	30.5	94	68	SE 1	SE 3	7	6	.8	60.01	58.95	24.5	30.5	97	70	SE 2	ESE 2	7	4	22.1
29..	60.60	58.90	24.8	27	95	89	E 1	E 2	7	10	2.8	61.16	59.74	24	27.5	91	77	NE 3	NE 2	10	10	41.9
30..	59.17	58.50	25.8	27.5	90	84	NE 1	E 1	7	10	29	61.39	61.52	23.2	24.6	97	75	NW 3	NE 4	10	10	4.1
31..	.....	.....	....	....	....	....	....	....	....	....	......	62.37	61.02	23.8	25.4	81	77	NNE 4	NE 4	10	10	......
Mean	58.58	57.13	25.2	28.4	88.6	75.6	2.3	2.9	7.7	7.8	......	59.81	58.65	24.4	28.1	92.8	76.6	1.7	2.6	7.3	7.4	......
Total	.....	.....	....	....	....	....	....	....	....	....	374.8	.....	.....	....	....	....	....	....	....	....	....	184.7

ROMBLON [a]

[φ=12° 35′ N; λ=122° 16′ E; barometer above sea, 12.15 meters; gravity correction not applied, −1.78 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	.....	.....	25	28.1	88	74	NE 3	NE 3	8	7	......
2..	.....	.....	25.5	29	91	71	NE 2	NE 3	9	7	6.9
3..	.....	.....	25.5	28.5	88	77	NNE 3	NE 3	10	8	......
4..	.....	.....	25	28.5	91	75	NNE 2	NNE 3	9	8	3.8
5..	.....	.....	24.6	29	87	62	ENE 2	NE 3	4	2	......
6..	.....	.....	24.7	28.5	81	73	NE 3	NE 3	8	8	......
7..	.....	.....	24.8	28.1	87	73	ENE 3	NNE 3	8	6	......
8..	.....	.....	25.2	28.2	84	72	NNE 3	NE 3	9	2	......
9..	.....	.....	25	29.9	85	68	NE 2	NE 3	6	3	......
10..	.....	.....	21.5	28.7	95	62	Calm	NE 2	2	2	2
11..	.....	.....	24.5	29.1	93	71	NE 1	NE 3	10	3	......
12..	.....	.....	24.6	27.5	92	70	NE 1	NE 2	9	4	......
13..	.....	.....	23	29	96	69	NE 1	NE 2	8	4	......
14..	.....	.....	24	28.8	86	63	NE 2	NE 3	8	3	......
15..	.....	.....	23.7	29	90	64	NE 2	NE 3	8	1	.8
16..	.....	.....	25	29.6	84	68	ENE 2	NE 3	9	9	......
17..	.....	.....	24.5	29.2	81	63	NE 2	NE 2	7	1	......
18..	.....	.....	24.5	29.3	87	59	NE 3	NE 3	7	2	......
19..	.....	.....	23	28.7	86	60	NE 2	NE 2	3	1	......
20..	.....	.....	24.2	28.5	82	65	NNE 3	NNE 3	9	7	......
21..	.....	.....	24	28	78	65	NE 3	NE 3	3	6	......
22..	.....	.....	24	29.5	78	66	NE 3	NE 3	3	3	......
23..	.....	.....	23.5	29.5	76	61	NE 3	NE 3	3	2	......
24..	.....	.....	24.7	29.7	82	61	NE 3	NE 3	8	7	2.5
25..	.....	.....	24.5	27.8	92	75	NNE 2	ENE 3	10	9	4.6
26..	.....	.....	24.5	29.4	86	65	NE 3	NE 3	9	1	......
27..	.....	.....	22.6	29.4	82	63	NE 2	NE 3	2	4	......
28..	.....	.....	24.3	29.6	86	65	NNE 2	NNE 3	10	2	.6
29..	.....	.....	24	28.7	79	63	NE 2	NE 3	2	1	......
30..	.....	.....	22.7	30.2	89	56	NE 1	NE 3	8	2	......
31..	.....	.....	24	28.8	87	69	ENE 2	ENE 3	8	3	......
Mean	.....	.....	24.2	28.9	86.1	66.7	2.2	2.8	7	4.1	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	21.2

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.89	60.90	24.6	29.7	87	67	NE 2	NE 3	8	3	......
2..	62.63	61.80	24.6	29.1	82	64	NE 3	NE 3	5	1	......
3..	63.52	62.12	22	28.6	97	64	NE 2	NNE 3	2	8	0.6
4..	63.84	62.89	23.7	28.7	81	60	NNE 3	NNE 2	5	2	......
5..	64.75	63.13	24.5	30.2	77	58	NNE 3	NE 3	8	1	.5
6..	65.04	63.47	24	25.6	86	79	NNE 4	NNE 4	9	10	......
7..	64.49	62.98	23.7	29	91	71	NE 3	NE 3	10	8	.3
8..	63.63	62.57	24.7	28.6	85	71	NE 2	NE 3	2	8	......
9..	63.23	62.68	24.6	30.4	79	58	NE 3	NE 3	4	1	......
10..	62.78	61.60	24.5	29.2	88	63	NE 3	NE 3	9	2	6.6
11..	63.28	62.07	24.1	28.9	82	62	NE 3	NE 3	8	9	4.2
12..	62.10	60.85	24.4	29	86	71	NE 2	NE 3	10	8	2.5
13..	61.45	60.87	25	28.2	85	76	NE 3	NE 3	9	9	.2
14..	61.72	61.42	24.8	30	83	63	NE 3	NE 3	9	1	......
15..	62.48	61.38	24.2	28.7	86	66	NE 2	NE 3	2	1	10.2
16..	61.95	60.71	24.3	29.2	94	72	NNE 1	NNE 3	10	3	......
17..	60.80	59.31	23.4	30.2	94	61	NNE 1	NNE 1	9	1	......
18..	58.80	59.21	25	30.1	84	64	NE 2	NE 2	8	1	......
19..	60.80	59.62	25	30	81	64	NE 3	NE 2	3	1	......
20..	61.27	59.28	25.3	30	84	67	ENE 4	ENE 3	8	3	......
21..	60.11	59.15	23.4	30.5	92	65	ENE 1	ENE 2	8	2	......
22..	58.86	57.98	25	31	88	64	ENE 2	NE 2	2	1	......
23..	59.33	58.75	25.5	30	88	68	ENE 3	ENE 3	4	3	......
24..	60.12	59.10	24	30.6	88	62	ENE 1	NE 3	4	1	......
25..	60.19	59.31	24.6	29.9	81	59	NE 3	NE 3	4	1	1.8
26..	60.88	60.90	23.3	25.9	93	83	NE 3	NNE 3	10	10	14.2
27..	61.48	60.55	24.7	30	83	63	NE 3	NE 2	9	8	......
28..	61.42	60.22	24.7	30.5	82	60	NE 3	NE 3	7	2	......
29..	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
30..	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
31..	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
Mean	61.89	60.89	24.3	29.4	86	65.9	2.5	2.8	6.6	3.9	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	41.1

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	60.43	60.16	24.6	30	75	59	NE 3	NE 3	4	1	......
2..	60.05	60.27	24.6	29.7	78	61	ENE 3	ENE 2	1	2	......
3..	61.58	60.98	25.5	30.5	78	59	ENE 3	NNE 3	8	1	......
4..	61.77	61.32	25	30.7	79	61	NE 3	NE 3	8	2	......
5..	61.99	61.23	24.7	29.7	75	58	NE 3	NE 3	6	1	......
6..	61.67	60.57	24.9	30.5	76	54	NE 3	NE 2	4	2	......
7..	61.27	60.72	25.5	30.1	83	63	NE 2	NE 3	8	1	......
8..	61.15	60.26	22	29.6	87	57	NE 1	ENE 3	6	1	2.5
9..	60.99	60.03	25.1	29.4	86	68	NE 3	NE 3	9	6	.2
10..	61.28	60.70	25.3	30	86	62	NE 3	NE 3	10	2	......
11..	61.50	59.38	22.2	29.1	90	73	NE 1	NNE 2	4	9	.5
12..	61.62	60.81	25	31.5	83	54	ENE 3	NE 2	5	2	......
13..	61.14	60.87	25.9	31.1	78	54	NE 1	NE 2	9	1	......
14..	61.07	60.57	25	30.7	83	62	NE 1	NE 3	5	2	19.8
15..	61.32	60.92	25.5	30.5	84	68	NE 1	NE 2	9	8	......
16..	61.44	60.52	25.5	30.5	79	52	NNE 2	NNE 3	8	1	.5
17..	61.02	60.95	24.1	28.5	91	64	NE 1	NE 3	10	9	3.8
18..	61.59	61.22	25.5	31	81	61	NE 2	NE 2	9	1	......
19..	62.09	61.51	25.4	30.5	84	63	NE 2	NE 2	7	8	......
20..	61.69	60.66	25.6	31	87	63	ENE 2	NE 3	6	1	......
21..	60.47	59.91	25	31.6	80	57	NE 1	NE 2	2	2	......
22..	60.30	59.58	22.7	29	93	66	ENE 1	ENE 1	3	4	......
23..	60.47	59.48	25	29.6	88	69	NE 1	NE 2	6	5	......
24..	60.24	58.87	23.5	31.7	93	56	NE 1	ENE 2	6	2	......
25..	60.11	58.99	25.2	31	82	62	ESE 2	E 2	3	1	......
26..	61.21	59.56	26	30.5	78	59	NE 2	NE 3	4	1	.5
27..	59.86	59.11	25.5	30	80	63	NE 2	NE 2	2	1	......
28..	60.09	58.91	26	32.4	82	56	NE 2	NNE 3	8	3	3.2
29..	60.16	59.08	25.7	30.5	83	65	NE 2	NE 2	8	3	......
30..	59.59	58.08	25.3	30.5	79	62	NE 1	NE 2	3	7	......
31..	58.64	57.83	25.5	30	84	65	E 3	E 2	4	8	......
Mean	60.90	60.10	24.9	30.4	82.7	61.2	2	2.4	6	3.2	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	31

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.44	58.70	24	31	95	65	Calm	NE 2	3	3	......
2..	59.78	59.49	25.7	32.8	90	50	ENE 1	NE 2	6	2	......
3..	60.03	58.66	26.2	32.6	83	57	ENE 1	NE 2	4	1	......
4..	59.19	58.65	25	33	89	47	NE 1	NE 2	1	1	......
5..	60.06	59.18	25.5	31.3	84	60	NE 2	NE 1	3	7	......
6..	60.17	59.55	25.5	31.8	84	62	NE 2	NE 2	3	3	......
7..	60.09	58.71	26.5	32.6	81	54	NE 2	NE 3	7	1	......
8..	58.81	57.38	26	31.6	81	60	NE 3	NE 3	2	1	......
9..	57.65	57.30	26	32.6	89	58	NE 3	NE 3	9	4	......
10..	57.72	56.93	26.5	32	85	61	ENE 2	ENE 1	4	6	......
11..	58.23	57.18	27	30	88	69	NE 1	NE 1	9	8	......
12..	58.07	57.55	27	30.1	74	67	NE 2	NE 3	1	7	......
13..	58.66	57.61	26	30	77	65	E 3	E 1	1	8	......
14..	58.62	58.34	26.7	32.2	79	59	E 3	NE 3	2	2	......
15..	59.58	58.73	27.2	34.2	84	51	E 3	E 2	9	4	......
16..	59.83	58.66	24.8	32.7	85	52	E 2	NE 2	1	1	......
17..	59.10	58.19	27	32.5	81	56	NE 2	NE 3	8	1	......
18..	58.74	58.03	27	33	83	50	ENE 3	ENE 1	3	1	......
19..	59.64	59.44	27	32.4	84	59	ENE 2	ENE 2	4	2	......
20..	60.76	60.69	27.5	32	81	59	E 2	E 3	6	2	0.5
21..	61.38	59.41	26.5	32.2	80	56	ENE 2	NE 3	6	1	......
22..	60.12	59.04	25.5	32.9	88	56	ENE 2	ENE 2	8	1	......
23..	60.63	59.20	26.7	33.8	80	54	NE 2	NE 2	6	4	14.5
24..	60.64	59.55	26.5	31.9	82	58	NE 2	NE 2	6	4	......
25..	60.38	59.06	25.8	32.7	88	58	NE 3	NE 3	6	6	......
26..	59.55	58.40	27	32.4	81	55	NE 1	NE 2	7	6	......
27..	58.94	57.56	26.9	32.1	85	60	NE 1	NE 2	6	4	......
28..	58.57	57.68	27	33.7	75	49	ESE 3	E 2	4	4	......
29..	58.73	57.99	26.5	33	86	48	NE 2	NE 2	8	3	......
30..	59.43	58.24	27	33	78	51	E 2	E 3	3	1	......
31..	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
Mean	59.42	58.50	26.3	32.3	83.3	56.9	2	2.2	4.9	3.3	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	15

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[a] The barometric readings of this station seem to be somewhat too low.

ROMBLON

[φ=12° 35′ N; λ=122° 16′ E; barometer above sea, 12.15 meters; gravity correction not applied, —1.78 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.58	58.03	26.5	33	76	45	E 3	NE 3	1	1	......
2..	59.66	58.10	27.5	33.5	83	40	ENE 2	NE 3	3	1	......
3..	59.48	58.35	27.2	31.9	75	55	ENE 3	NE 3	3	1	......
4..	59.52	58.59	27.5	33.2	77	55	ENE 3	NE 3	6	1	......
5..	60.16	59.51	27.8	33	79	57	NE 2	NE 3	9	1	......
6..	60.28	58.70	27.5	33	80	58	NE 3	NE 3	6	0	......
7..	59.63	58.56	27.4	33	79	56	ENE 2	NE 3	5	1	0.5
8..	58.74	58.24	27.4	33	81	55	ENE 1	ENE 3	6	2	......
9..	59.23	58.26	27.5	32	70	58	NE 2	NE 2	1	4	......
10..	58.84	57.76	27.5	33	78	58	NE 1	NE 3	3	7	......
11..	57.81	56.66	25	32.5	92	60	Calm	NE 3	2	4	......
12..	58.08	56.88	27	30.5	85	72	Calm	NE 1	3	3	.3
13..	57.99	56.96	26.1	33.4	91	59	ENE 1	NE 3	4	4	......
14..	58.28	56.92	27.6	31	87	67	NE 1	NE 2	6	8	......
15..	57.33	56.51	25.5	33.6	93	56	Calm	NE 3	6	3	......
16..	56.93	56.06	25.5	32.5	93	61	Calm	NE 2	5	6	......
17..	57.25	55.66	25.6	32	88	66	Calm	NE 1	4	6	......
18..	57.04	55.55	26.1	35.4	91	46	Calm	SW 2	4	6	......
19..	57.78	56.13	27	33.5	90	56	Calm	SSW 3	4	3	14.5
20..	58.91	57.23	24.9	30.5	93	68	Calm	SSW 1	10	10	......
21..	59.12	57.91	25.6	31.4	95	70	Calm	SSW 2	9	10	......
22..	58.17	57.40	28.2	32.5	85	66	ENE 2	NNE 2	4	5	......
23..	58.60	57.10	27.3	33	87	64	Calm	NNE 2	6	6	......
24..	58.44	57.58	26.2	29.6	92	77	Calm	SSW 1	9	10	......
25..	58.63	57.51	26	32.8	95	60	Calm	NNE 2	5	7	1.8
26..	58.13	56.60	25.5	32.7	96	64	Calm	SSW 1	4	9	......
27..	56.87	55.21	28.5	33.9	80	54	SSW 2	SSW 3	8	7	......
28..	56.63	55.53	27.7	32.6	77	57	SSW 3	NE 2	8	9	8.9
29..	56.68	56.17	26.3	30.5	94	72	Calm	SSW 1	10	10	20.3
30..	57.03	56.57	25.5	30.9	96	69	Calm	ENE 1	9	9	.3
31..	58.39	58.17	25	29.7	93	79	Calm	ENE 1	8	10	......
Mean	58.36	57.24	26.6	32.4	86.2	60.6	1	2.2	5.5	5.3	......
Total	.....	.....	.....	.....	....	....	....	....	....	....	46.6

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	58.98	57.93	27.2	33	84	59	ENE 2	ENE 3	8	3	......
2..	57.61	56.84	28.2	33.1	79	53	ENE 2	ENE 2	2	2	......
3..	56.98	56.07	27.7	33.5	80	56	ENE 2	ENE 2	6	2	5.1
4..	57.29	56.55	25.6	31.7	99	65	Calm	NNE 1	9	8	......
5..	58.11	57.29	25.4	32	93	64	Calm	NNE 1	2	9	......
6..	58.87	57.34	26	32.6	92	58	Calm	NNE 2	8	5	8.4
7..	59.03	57.35	26.3	33.7	95	60	NE 1	NE 2	8	4	1.3
8..	58.22	57.26	26.6	28.5	87	83	Calm	NNE 1	8	10	16
9..	54.85	54.53	26	25.4	88	93	WNW 4	SW 4	10	10	13.5
10..	54.56	55.90	25.1	25.1	95	92	SSW 4	SSW 5	10	10	147.6
11..	55.56	55.41	26.1	25.2	90	93	S 3	SSW 5	10	10	53.3
12..	55.85	55.78	25.5	28.4	96	82	S 4	SSW 4	9	9	7.6
13..	57.05	56.52	27.2	30.6	83	69	SSW 5	SSW 4	6	2	......
14..	57.51	56.56	26.1	31.4	87	63	SSW 3	SW 4	6	1	2.3
15..	57.99	56.96	26.8	31	84	65	SW 5	SW 4	2	1	......
16..	57.89	57.70	27	31	83	66	SSW 3	SSW 3	5	1	.3
17..	58.51	57.75	27.5	31.6	84	64	SSW 3	SSW 3	2	3	......
18..	57.50	56.96	25.6	31.1	91	68	SSW 1	SSW 3	1	5	......
19..	56.94	56.20	26.7	31.5	80	60	SSW 3	SSW 2	9	8	.6
20..	57.26	56.81	26.1	28.9	87	75	SW 4	SW 3	9	9	......
21..	58.15	57.70	25.7	31.6	90	59	SSW 3	SW 3	2	7	......
22..	58.96	58.04	26.1	31.9	84	61	SSW 2	SSW 3	1	2	5.4
23..	58.23	57.54	25	32.5	92	59	SW 2	SSW 2	5	4	......
24..	58.25	57.09	27.3	32	82	64	SSW 1	S 3	5	4	1.8
25..	57.57	56	26	30	93	71	SSW 2	S 1	10	10	.5
26..	56.07	55.71	26.6	25.7	80	87	SSW 4	SSW 4	10	10	16
27..	56.96	56.70	26.1	31.3	87	61	SSW 2	SW 3	9	2	.4
28..	58.69	57.98	24.4	30.7	96	74	SW 1	SW 1	1	5	.3
29..	59.19	57.83	25	31	96	72	Calm	Calm	2	5	15.7
30..	57.18	55.92	27.2	30.6	87	72	WNW 3	WNW 3	9	10	.8
31..	.....	.....	.....	.....	....	....	....	....	....	....	......
Mean	57.53	56.81	26.3	30.6	88.1	68.9	2.3	2.7	6.1	5.7	......
Total	.....	.....	.....	.....	....	....	....	....	....	....	413.4

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	54.53	54.15	27.1	27.5	90	82	WNW 2	SSW 2	10	10	4.3
2..	55.77	56.14	24.6	25	91	92	SSW 4	SSW 3	10	10	41.9
3..	58.44	59.16	26.5	29	80	74	S 4	S 2	8	9	7.2
4..	60.49	59.30	23.4	29.6	97	77	Calm	Calm	3	8	......
5..	59.71	58.56	25.1	31.1	98	67	Calm	NNE 2	3	3	5.8
6..	59.25	58.60	24.7	31	94	65	Calm	NNE 2	7	8	......
7..	60.15	59.72	24.5	30.5	96	72	Calm	SSW 2	6	8	......
8..	60.10	59.57	24.5	31.8	96	65	Calm	NNE 2	4	3	.3
9..	59.37	58.21	26.6	32	91	66	NE 2	NNE 2	6	5	8.9
10..	58.61	57.46	24.6	31.5	95	63	NE 1	SW 2	9	3	3.3
11..	58.44	57.66	24.4	31.2	97	71	Calm	Calm	5	8	4
12..	59.65	58.66	24.8	31.1	98	65	Calm	NNW 2	10	7	12.2
13..	59.34	58.50	24	31	96	69	NW 1	Calm	9	9	.3
14..	58.90	57.96	26	31.5	96	66	Calm	N 3	8	3	2.8
15..	58.05	57.19	26.1	32	91	65	Calm	SW 2	7	6	......
16..	57.93	56.76	25	29	95	81	Calm	S 3	4	9	1.3
17..	58.09	57.57	25	31.1	96	65	Calm	S 2	8	6	......
18..	57.81	56.92	24.5	30.7	96	70	Calm	NNE 2	8	5	......
19..	57.21	56.17	24	29.5	96	75	Calm	NNE 2	8	8	......
20..	56.24	56.44	24.9	27.5	93	81	Calm	NNE 3	9	9	26.4
21..	56.19	55.41	25	29.5	97	76	Calm	NNE 1	10	9	11.7
22..	56.12	55.68	24.2	27.2	97	87	Calm	SSW 1	10	10	10.2
23..	55.65	55.10	25.5	28	88	83	SSW 3	Calm	9	9	6.6
24..	55.54	55.23	25.3	30.2	90	74	SSW 3	S 3	10	9	13.5
25..	56.26	56.12	26	30	85	71	S 3	SSW 4	10	9	16.3
26..	56.44	54.62	25	30	92	74	SSW 3	S 4	10	10	3.9
27..	53.74	52.64	25.7	29.6	90	70	Calm	SW 2	10	10	5.6
28..	53.85	54.43	27.3	29.3	80	72	SW 3	S 5	10	8	2.8
29..	54.04	53.22	27.1	28.4	83	78	S 3	WSW 3	10	10	26.5
30..	53.63	52.51	27.3	31.4	76	64	SSW 3	SW 4	10	5	......
31..	54.02	53.30	28	30.8	81	69	SSW 2	S 3	8	4	4.8
Mean	57.21	56.55	25.4	29.9	91.6	72.5	1.2	2.2	8	7.4	......
Total	.....	.....	.....	.....	....	....	....	....	....	....	220.6

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	55.49	54.98	28?	26.6	81?	90	S 3	S 2	6	7	5.1
2..	55.47	55.29	27.1	26.6	83	88	SSW 2	S 1	10	10	17.5
3..	55.92	.....	24.5	.....	91	....	SW 2	....	10	....	12.4
4..	55.66	54.54	26.5	25.4	80	91	S 2	S 1	10	10	29.7
5..	55.62	55.79	24.4	26	88	92	S 2	S 1	10	10	24.4
6..	55.78	54.34	25.7	27.4	94	85	S 1	S 2	10	10	52.3
7..	53.81	52.63	25.4	29.4	97	74	S 1	SSW 3	10	10	19.3
8..	52.93	53.11	27.9	27.4	78	78	S 3	SSW 3	10	10	6.4
9..	53.97	54.43	26	25	92	92	SSW 2	S 2	10	10	40.1
10..	54.81	53.84	25.5	28	92	79	Calm	S 2	10	10	4.9
11..	53.89	52.84	27.3	29.1	80	73	SSW 2	SW 3	10	10	10.2
12..	53.42	53.18	27.9	28.6	74	77	SSW 3	SW 3	10	10	22.1
13..	54.89	55.49	27.5	25.9	84	85	SW 3	SW 2	10	10	11.2
14..	57.47	56.27	24.9	27.2	89	81	S 1	SSW 3	10	10	2.1
15..	57.24	56.48	25.5	28	88	83	S 1	S 1	10	10	7.9
16..	57.83	58.49	26.4	25.4	89	90	S 2	S 1	8	10	3.8
17..	58.35	57.51	25.5	31.5	88	72	S 1	SSW 1	5	4	......
18..	58.38	56.41	26	31.9	88	70	Calm	S 1	3	3	......
19..	57.06	56.08	24.5	30.2	95	69	Calm	Calm	4	8	1
20..	55.10	53.94	25	27	90	80	WSW 2	WSW 3	10	10	10.4
21..	57.28	56.68	26	29.8	85	71	S 2	S 3	8	6	......
22..	58.35	57.44	24.8	31	94	70	Calm	SSW 2	4	7	......
23..	57.70	56.32	24.1	31.2	95	68	SSW 2	SSW 3	8	3	......
24..	56.20	54.87	27	31	80	68	SW 3	SW 4	8	7	......
25..	55.89	55.29	27.6	29.5	80	75	SSW 4	SSW 5	9	9	2.5
26..	56.40	58.18	26.4	25.5	86	91	WSW 4	SSW 2	9	9	6.3
27..	58.80	57.74	24.4	27.5	87	73	SSW 3	SSW 3	8	9	......
28..	57.92	56.50	23	31.3	96	64	Calm	SW 3	8	4	2.3
29..	56.25	55.29	24.7	27.8	91	82	SW 3	WSW 2	6	10	4.6
30..	55.81	55.25	25.5	27.7	82	70	SW 4	SW 5	10	10	3.8
31..	55.85	55.10	26?	28	80?	80	SSW 4	SSW 4	8	10	6.5
Mean	56.11	55.48	25.8	28.2	87	78.7	2	2.4	8.5	8.5	......
Total	.....	.....	.....	.....	....	....	....	....	....	....	306.8

ROMBLON

[ϕ=12° 35′ N; λ=122° 16′ E; barometer above sea, 12.15 meters; gravity correction not applied, −1.78 mm.]

Day.	SEPTEMBER.											OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	56.05	55.48	25.6	28.5	79	75	SSW 3	SSW 4	8	7	3.5	58.72	57.41	23	31	97	67	Calm	N 3	3	1	8.4
2..	58.05	57.66	26.3	31	86	69	SSW 3	SSW 3	9	3	......	57.65	56.36	24.1	30.6	98	71	N 1	N 3	6	4	.9
3..	59.01	58.86	24.1	31.1	91	68	SSW 2	SW 2	5	3	......	57.76	56.27	24	31.5	98	66	Calm	N 3	8	2	......
4..	59.68	58.51	23.4	31.1	97	63	Calm	N 2	2	2	......	57.99	56.64	24.6	31	95	71	Calm	Calm	8	8	......
5..	59.30	57.66	25.1	30.5	95	68	N 1	N 2	5	8	15.2	57.94	56.11	25	30.6	96	72	Calm	N 2	9	7	......
6..	58.22	57.14	25	30.5	97	69	NNE 1	N 3	9	3	......	58.10	56.47	24.6	31	96	69	Calm	N 2	8	6	2.1
7..	56.95	56.48	24.7	29.3	96	75	Calm	N 2	9	9	5.1	58.56	57.23	24.1	28.5	96	81	Calm	N 2	8	9	38
8..	56.81	56.18	24.7	31	98	63	Calm	N 2	8	8	35.8	57.72	55.80	23.1	29	99	75	Calm	N 2	10	9	1
9..	58.01	56.75	23.1	27.6	96	80	Calm	SW 1	10	9	1.1	56.54	55.66	25	26	95	88	SSW 1	SSW 3	7	10	11.7
10..	57.62	55.70	22.9	28.1	97	77	Calm	Calm	9	10	3	57	56.45	25.1	26.6	90	84	SSW 3	SSW 4	10	10	10
11..	55.87	55.56	24	26	97	86	Calm	Calm	10	10	10.4	58.53	57.43	25.1	30.2	88	70	S 1	SSW 3	9	9	......
12..	54.93	54.05	24	26.4	97	87	SSW 1	SSW 1	10	10	1.1	60.64	58.74	24.7	31.6	86	66	SSW 3	NE 2	10	2	11.8
13..	54.90	54.19	26	28.5	81	74	SSW 3	SSW 3	8	9	......	59.95	58.31	24.5	30.5	97	72	NNE 2	NNW 3	8	7	.6
14..	56.72	55.54	25.6	29.5	91	75	SSW 3	SSW 3	8	8	3	57.71	55.10	26.2	26.1	85	87	N 4	N 4	10	10	60.4
15..	57.19	56.61	25	29	92	74	SW 3	SSW 2	10	9	.3	55.52	54.46	26	29.6	89	78	ESE 3	Calm	10	9	7.9
16..	57.84	56.83	24.5	30.7	96	67	Calm	SW 2	6	8	1	57.46	56.19	24.1	30	97	68	Calm	SSW 3	8	7	12.7
17..	59.15	58.59	24.5	28	96	81	Calm	Calm	10	10	1.6	57.96	56.76	25.6	30.2	91	68	SW 2	SSW 3	7	2	......
18..	60.63	59.24	23.6	28.5	97	74	Calm	NNW 3	9	8	2.3	57.81	56.42	26	31	88	70	SSW 3	SSW 3	2	3	......
19..	60.03	58.64	25.1	29.7	93	70	N 2	NNE 2	8	1	.8	58.38	56.09	24.5	31.8	97	65	Calm	N 2	9	3	14.7
20..	59.12	57.83	25.2	31.1	94	65	NE 2	NE 2	6	5	36.8	58.59	57.54	25	28.5	96	80	N 1	N 2	10	9	30.1
21..	59.45	58.03	25.5	28.1	92	80	NE 2	NE 1	9	9	1	59.62	58.78	25.5	28.5	80	74	N 3	NNE 2	5	8	.3
22..	59.56	58.44	26	30.5	87	70	NE 2	NE 3	8	5	......	60.03	58.36	24	30.5	96	69	NE 1	NNE 2	8	7	5.1
23..	59.21	58.46	25.8	30.3	84	63	NE 3	NE 3	6	1	1.3	59.68	58.63	24.5	29	97	76	NNE 1	N 3	5	6	8.1
24..	59.10	58.56	25.4	31	86	65	NE 2	NE 3	8	3	......	59.33	58.08	24.5	28.5	97	88	NNE 1	NNE 2	10	8	14.2
25..	59.18	58.46	26.5	30.8	88	70	NE 3	N 3	8	5	8.1	59.40	58.14	24.8	28.5	93	81	Calm	N 2	9	8	6.1
26..	59.56	58.79	26.7	30.7	86	70	NE 3	NE 3	6	2	2.9	59.91	58.30	24.5	28.7	96	80	Calm	N 2	9	8	8.3
27..	59.27	58.21	25	30.1	95	71	NE 2	N 3	4	6	8.7	60.08	59.13	24	27.5	96	84	Calm	NNE 1	5	8	26.5
28..	59.17	57.79	24.4	30.5	95	70	Calm	NE 2	8	5	11.4	59.47	58.23	25.5	30.5	88	72	ENE 2	ENE 2	6	5	......
29..	59.07	57.74	24	30.7	97	70	Calm	NE 1	6	2	3.8	59.28	57.44	26.6	30.5	83	72	ENE 3	NNE 2	8	6	4.8
30..	59.51	57.57	25.5	30.6	88	68	NE 2	N 2	9	4	5.6	59.01	57.38	26.6	27.5	87	88	NE 3	Calm	8	8	8.4
31..	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......	58.90	57.79	24.7	29.9	96	75	ENE 1	ENE 3	8	9	38.9
Mean	58.31	57.32	24.9	29.6	92.1	71.9	1.4	2.1	7.7	6.1	......	58.56	57.15	24.8	29.5	93	75.1	1.3	2.3	7.8	6.7	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	163.8	.....	.....	.....	.....	.....	.....	....	....	.....	.....	331

Day.	NOVEMBER.											DECEMBER.										
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.32	58.29	26.1	28.5	90	81	ENE 3	ENE 2	8	9	5.1	59.67	58.25	25	29.1	92	81	NE 2	NNE 3	10	10	29.7
2..	59.69	58.43	25.6	30.5	95	78	ENE 2	NE 3	9	4	.5	59.45	58.69	25.5	28	92	80	NNE 3	N 3	10	9	.3
3..	59.36	57.94	26.5	31	92	75	NE 3	NE 3	6	4	1.8	58.70	57.10	25.5	27.8	88	82	NNE 3	NNE 3	9	9	39.9
4..	59	57.73	27	30.5	81	82	NE 3	NE 3	8	7	18.5	56.13	54.71	25	27	92	84	NNE 3	NE 4	9	9	1.6
5..	58.57	57.13	25.5	30.5	92	78	NE 3	NE 3	8	5	1.8	56.15	55.29	25.9	29.6	81	70	SE 5	SSE 1	8	8	......
6..	58.20	56.99	27.5	30.2	78	74	NE 3	NE 3	7	6	38.1	57.19	56.34	25	30.1	88	68	S 2	S 2	3	6	......
7..	59.36	57.97	26.1	29.7	96	74	NE 3	NE 3	9	4	1	58.38	57.60	22.7	30.4	97	66	Calm	S 2	2	2	......
8..	59.19	57.57	26	29.5	82	76	NE 3	NE 3	5	3	.3	59.02	57.97	23.5	29	97	78	Calm	NNE 1	3	7	16.8
9..	58.20	56.74	25	29.5	96	75	Calm	NNW 3	10	9	......	58.75	58.59	25.5	29.2	91	74	NE 3	NE 3	7	3	17.5
10..	57.72	56.39	23.9	30.2	97	70	Calm	N 3	5	6	.3	59.89	58.39	25.5	29.5	84	71	NE 3	NE 3	10	4	13.2
11..	57.40	55.92	24.5	30.5	96	71	Calm	NNE 3	8	7	.3	60.41	59.08	24.8	28.9	89	76	NE 3	NE 3	8	6	......
12..	57.53	56.91	26.5	30	85	71	NNW 2	N 3	8	9	......	59.49	58.38	24.9	30	92	69	ENE 2	NE 2	8	7	.3
13..	57.95	57.43	24.6	28.7	95	76	NNE 1	N 3	8	8	.6	58.75	57.17	25.5	29.5	91	72	NE 2	NE 3	9	6	......
14..	58.51	57.44	26.6	28	77	75	NNE 4	N 4	9	8	.5	58.27	56.44	24	28.6	96	75	Calm	NNE 3	7	2	......
15..	58.31	56.45	26.2	28.5	84	73	NNW 4	NNW 4	9	8	7.6	58.27	57.71	24	26.9	97	82	NNE 1	NNW 2	9	9	4.3
16..	57.68	56.33	24	27.3	96	79	NNE 1	N 3	10	9	4.5	59.07	58.66	24	27.3	96	82	Calm	NNE 2	9	8	8.9
17..	56.92	55.72	26.1	25.2	87	87	NW 4	NW 4	9	10	64.9	60.54	59.66	24.3	27	93	82	NNE 3	NNE 2	10	10	4.9
18..	56.37	56.08	24	25.1	93	89	W 3	SW 4	10	10	19.3	60.68	59.75	25.1	27.4	91	81	NNE 3	NNE 4	9	8	14.1
19..	58.33	56.84	22.5	27.7	94	84	Calm	WSW 2	3	6	27.2	61.39	61.25	23.9	26.5	90	80	NNE 4	NNE 4	10	10	4.7
20..	58.65	57.09	23.7	28.5	94	80	Calm	Calm	3	8	.3	61.85	60.81	23.1	29.5	96	71	NE 1	NE 3	9	8	1
21..	57.95	56.55	23.5	29.6	96	75	Calm	N 1	6	4	8.7	61.76	60.77	25	28.8	83	72	NE 2	NE 3	6	7	......
22..	58.53	57.93	25	28.2	88	74	NE 3	NNE 3	10	10	1.3	61.56	60.19	25	29	83	71	NNE 2	NNE 3	8	8	12.5
23..	60.04	58.88	23.6	28.5	89	71	Calm	ENE 2	6	6	.5	61.11	59.66	24.6	29.4	91	74	NNE 3	NE 3	9	6	......
24..	59.88	58.95	24.5	27.7	83	79	NNE 3	NE 3	8	8	......	60.04	58.84	24	28.5	96	75	Calm	NNE 3	7	4	......
25..	60.09	58.98	24	27.6	80	69	NE 3	NNE 3	4	8	......	59.33	58.63	24.9	29.9	92	69	NNE 2	NNE 3	9	9	5.6
26..	59.99	58.28	24.2	28	82	68	NE 3	NNE 3	6	8	......	60.01	58.84	24.5	28	92	80	Calm	NNE 3	6	8	......
27..	58.40	57.01	25.5	27.1	87	83	NNE 3	NNE 3	10	10	8.1	59.95	59.35	23.5	28.1	96	79	Calm	NNE 3	9	8	.8
28..	59.21	58.72	25.5	30.2	88	74	ESE 3	NE 2	3	7	.5	59.83	58.90	25.5	28.1	93	82	NNE 2	NE 2	10	9	6.3
29..	60.45	58.72	25.7	28	90	81	NE 3	NE 2	8	8	9.9	61	59.90	24.5	26.3	90	84	NNE 4	NNE 4	10	10	1.8
30..	59.61	58.79	26	26	92	90	NE 3	Calm	9	9	29.9	61.65	61.28	24	25	82	76	NNE 5	NNE 5	10	10	1.8
31..	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......	62.69	61.03	23	26.4	79	70	NNE 5	NNE 3	10	9	......
Mean	58.68	57.47	25.2	28.7	89.2	77.1	2.2	2.7	7.4	7.3	......	59.71	58.68	24.6	28.3	90.6	76	2.2	2.8	8.2	7.4	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	251.5	.....	.....	.....	.....	.....	.....	....	....	.....	.....	186

BATAG LIGHTHOUSE, LAOANG[a]

[ϕ=12° 40′ N; λ=125° 04′ E; barometer above sea, 78.5 meters; gravity correction not applied, —1.77 mm.]

Day.	JANUARY.											FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.06	59.82	24.2	26.4	97	92	E 2	E 2	4	5	......	62.40	61.12	23.4	28.8	91	69	E 1	E 2	5	3	......
2..	60.66	59.93	25.2	26	95	90	E 2	E 3	6	6	10.2	62.70	61.62	23.8	28.4	81	60	E 3	E 3	3	3	1.3
3..	61.33	60.42	24.3	27.4	97	89	E 3	E 2	8	4	13	63.35	62.16	23.7	28.8	94	59	E 3	E 3	5	4	......
4..	62.06	60.87	23	27.2	99	83	E 2	E 3	10	6	7.9	63.64	62.77	24	28.4	81	66	E 2	E 3	4	3	39.1
5..	62.30	61.77	25	27.3	83	76	E 3	ENE 3	5	4	......	64.32	63.19	23.8	27.7	84	67	ENE 4	ENE 4	7	4	2.8
6..	63.67	62.56	24.6	26.4	89	79	ENE 3	ENE 3	4	4	9.4	64.93	63.16	23.4	24.8	91	88	ENE 4	E 4	5	5	5.3
7..	62.98	61.86	24.9	26.5	83	80	ENE 4	E 3	5	4	5.3	64.54	62.68	24.4	27	87	77	E 4	E 3	5	5	......
8..	62.42	60.89	24.4	28.2	95	76	E 3	E 3	6	5	......	63.77	62.66	25.7	27.6	78	76	E 3	E 3	6	4	......
9..	60.82	59.67	24.8	29.3	88	76	E 3	E 2	3	3	......	63.29	61.74	24.4	27.9	87	75	E 3	E 3	4	4	2.5
10..	60.01	58.66	23.8	28.5	91	75	E 2	E 3	5	4	2	62.74	61.13	23.4	27	95	77	ENE 3	E 3	5	5	7.1
11..	59.66	58.77	24	28	93	74	E 2	E 3	5	3	......	63.13	61.19	22.4	26.9	95	76	E 3	NE 3	7	8	43.7
12..	59.92	59.08	22.8	28.8	98	74	E 1	E 2	4	3	......	62.38	61.20	24.3	28.3	89	78	NE 3	E 3	4	4	2.8
13..	60.49	59.79	23.9	28	82	79	E 1	E 3	4	4	......	61.85	60.96	23	27.8	96	71	E 2	ESE 3	8	4	......
14..	62.30	61.59	24	27.7	75	64	E 2	E 2	5	3	......	62.04	61.20	23.7	27.5	88	79	E 2	E 2	5	4	......
15..	62.24	60.89	23.5	28	84	70	E 1	E 2	4	4	5.6	62.31	61.05	24.8	27.8	88	81	E 2	E 3	5	5	17.5
16..	62.02	61.14	24.5	28.5	87	66	E 3	E 3	8	3	......	61.90	60.57	23.4	27	98	84	W 1	ESE 2	8	8	7.6
17..	63.04	62.39	24.5	27.9	79	66	E 3	E 3	4	4	......	60.36	59.01	23.8	26.3	97	85	ESE 2	E 2	8	8	7.1
18..	63.62	61.93	24.3	27.8	73	71	E 3	E 3	4	4	......	60.17	59.35	24	27.8	91	76	E 2	E 3	6	4	......
19..	63.78	62.64	23.8	28	73	62	E 3	E 3	4	4	10.4	61.24	59.72	24.3	27.7	87	76	E 3	E 3	5	4	......
20..	63.25	62.14	23.8	28.1	81	64	E 3	E 3	5	4	3	61.44	59.82	24.5	28	87	77	E 3	E 2	8	4	8.9
21..	63.29	61.85	24.4	23.7	85	92	E 4	ENE 4	4	8	2.8	60.55	58.88	22.5	28.4	99	79	E 2	E 2	9	4	......
22..	63.38	61.36	23.8	27.8	75	70	ENE 3	ENE 3	6	4	3.6	59.40	58.19	24.5	28.8	96	73	E 2	E 3	8	3	......
23..	62.19	61.20	23.5	26.4	94	76	E 3	E 3	5	5	......	59.70	58.75	24.3	28.8	94	80	E 1	E 3	5	4	......
24..	61.61	60.53	24.9	26.8	81	82	E 3	E 3	6	6	2.3	60.65	59.33	24.5	28.8	87	68	E 2	E 2	4	3	......
25..	61.43	60.22	24.3	26.8	94	82	E 2	E 3	7	6	......	60.16	59.55	23.4	28.4	86	66	E 1	E 3	4	3	......
26..	61.74	61.60	23.8	27	80	75	E 3	E 3	5	4	......	60.49	60.21	23.9	27.8	84	73	E 3	E 3	6	5	......
27..	61.70	60.70	24.2	27.5	75	73	E 2	E 3	4	5	4.1	61.59	60.43	23	27.3	97	78	E 3	E 3	8	5	7.6
28..	61.75	60.52	23.9	28	80	63	E 2	E 3	4	3	......	61.45	60.40	24.3	28.3	81	71	E 2	E 3	7	6	1.5
29..	61.75	61.09	23.2	28.5	88	59	E 3	E 2	7	3	......	......	......	....	....	....	....	......	......	....	....	......
30..	61.91	60.54	23.6	28.5	89	74	E 2	E 3	5	4	......	......	......	....	....	....	....	......	......	....	....	......
31..	61.73	60.66	23.8	28	87	70	E 2	E 2	4	4	......	......	......	....	....	....	....	......	......	....	....	......
Mean	61.94	60.87	24.1	27.5	86.1	74.9	2.5	2.8	5.2	4.3	......	62.02	60.79	23.9	27.8	89.6	74.5	2.5	2.8	5.9	4.5	......
Total	.....	.....	....	....	....	....	....	....	....	....	79.6	.....	.....	....	....	....	....	....	....	....	....	154.8

Day.	MARCH.											APRIL.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.08	60.20	22.7	28.2	87	69	E 3	E 2	9	5	......	60.12	59.29	24.3	29.8	91	69	E 1	E 3	8	3	......
2..	60.09	60.06	24.4	28	87	74	E 2	E 3	4	4	1.8	60.24	59.42	24	29.5	94	72	E 1	E 2	3	4	......
3..	61.69	60.75	23.2	27.4	97	76	E 2	E 3	6	5	......	60.51	59.03	24.6	29.1	92	74	E 1	E 3	4	3	......
4..	62.08	61.36	24.4	28	75	62	E 3	E 2	4	4	......	59.64	58.62	23.7	29.6	90	71	E 1	E 3	4	3	......
5..	62.13	61.47	23.8	28.4	80	68	E 2	E 3	3	3	......	60.67	59.17	23.4	29.5	90	68	E 1	E 3	3	3	......
6..	62.05	60.54	22.8	28	88	72	E 1	E 2	3	3	......	60.63	59.80	24.3	29.5	93	69	E 1	E 3	4	3	......
7..	61.85	60.25	23	28.2	91	76	E 2	E 3	4	4	......	60.48	58.90	24.3	30	82	62	E 1	E 2	3	3	......
8..	61.30	60.20	24.5	28.8	78	69	E 3	E 3	4	4	7.6	58.76	57.28	24.9	30.3	84	75	E 2	E 3	4	3	3.3
9..	60.81	60.38	24	26.6	97	80	E 3	E 3	5	6	2.5	57.52	57.83	25.3	24.4	93	97	E 3	SE 2	6	9	32.3
10..	61.87	60.74	24.6	28.5	83	66	E 3	E 3	7	3	5.8	58.16	57.35	25.5	29.4	94	80	ESE 2	ESE 2	8	4	62.5
11..	61.92	60.29	22.4	28.3	92	75	E 1	E 3	7	3	2.5	59.29	57.43	23.8	28.8	97	82	E 1	E 3	10	4	9.7
12..	61.65	60.73	22.8	28.5	97	70	E 1	E 3	9	3	1.5	58.80	57.60	25.4	28.8	90	76	E 2	E 3	4	3	.5
13..	61.40	60.92	23.8	29.7	90	67	E 2	E 3	3	3	......	59.15	57.68	25.5	29.1	84	73	E 2	E 2	3	3	......
14..	61.29	60.60	24	28	87	74	E 2	E 3	6	3	11.5	58.84	58.31	25.4	29.7	88	77	E 3	E 3	4	3	......
15..	61.55	60.76	23.4	28.2	95	73	E 1	E 2	8	3	......	60.06	58.95	25.6	29.7	90	76	E 1	E 2	4	3	......
16..	61.55	60.38	23.4	26.4	88	79	E 1	E 3	4	5	3.8	60.39	58.99	24.7	29.6	89	71	E 1	E 3	4	3	2
17..	61.07	60.73	24	26.4	94	79	E 2	E 2	7	6	1.3	59.35	57.98	25	28.8	95	81	E 3	E 3	4	3	3.6
18..	61.59	61.14	24.5	29	94	78	E 2	E 3	5	4	1	59.07	58.55	25.5	29.3	92	78	E 2	E 3	5	5	2.3
19..	62.20	61.40	23.5	28.2	98	79	E 1	E 3	6	5	2.6	60.11	59.84	25.3	28.5	89	77	E 1	E 3	5	5	10.7
20..	62.17	61.13	24.8	27.8	88	74	E 3	E 3	5	6	......	61.14	60.37	25.4	29.5	90	75	E 2	E 3	4	3	......
21..	61.22	60.16	24.5	29	81	58	E 3	E 3	4	3	2.3	61.50	59.71	25.4	29.7	84	75	E 1	E 2	4	3	3.3
22..	61.27	59.66	23.6	27.6	90	80	E 1	E 3	6	5	3.6	60.18	59.24	24.8	30.3	92	74	E 1	E 2	4	4	......
23..	60.86	59.67	23.4	28	99	77	E 1	E 3	9	5	......	60.79	59.28	25.5	28.7	91	78	E 2	E 3	5	5	......
24..	60.67	59.43	23.2	29.8	93	60	E 1	E 1	6	3	7.1	60.72	59.80	25.4	30.2	88	70	E 2	E 2	4	3	2.8
25..	60.08	59.39	23.8	28.8	99	71	E 1	E 2	9	3	2.3	60.69	59.08	24.4	29.6	95	74	E 1	E 2	4	5	......
26..	61.45	59.46	24.2	27.1	86	81	E 2	E 3	4	6	4.5	59.99	58.50	25.3	29.9	88	71	E 1	E 2	4	3	......
27..	60	59.25	23.9	29.4	95	72	E 2	E 3	4	5	......	59.29	57.90	25.5	30	94	71	E 1	E 2	5	4	......
28..	60.23	59.34	25.2	24.6	88	93	E 2	E 3	6	9	3.3	58.79	57.73	25.8	30	88	71	E 1	E 2	4	4	......
29..	60.38	59.39	24.4	29.2	90	78	E 2	E 2	5	4	1.3	58.85	58.51	24.9	29.7	94	76	E 1	E 3	6	4	......
30..	59.68	58.15	24.8	28.4	85	73	E 2	E 2	7	4	3.8	59.78	58.91	24.4	30.8	96	64	E 1	E 2	4	3	......
31..	58.88	58.22	23.8	28.7	95	71	E 1	E 2	8	4	......	......	......	....	....	....	....	......	......	....	....	......
Mean	61.16	60.20	23.8	28.1	89.9	73.4	1.9	2.6	5.7	4.3	......	59.78	58.70	24.9	29.4	90.6	74.2	1.5	2.5	4.6	3.7	......
Total	.....	.....	....	....	....	....	....	....	....	....	70.1	.....	.....	....	....	....	....	....	....	....	....	133

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[a] The barometric readings of this station seem to be somewhat too low.

BATAG LIGHTHOUSE, LAOANG

[ϕ=12° 40′ N; λ=125° 04′ E; barometer above sea, 78.5 meters; gravity correction not applied, —1.77 mm.]

Day.	MAY.											JUNE.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.67	58.27	26	30.8	82	69	E 1	E 2	5	3	......	58.99	57.89	25.5	32	96	67	E 1	E 2	7	5	7.9
2..	59.97	58.17	24.4	30.2	92	69	E 1	E 2	4	3	0.3	57.74	56.77	27.1	31.7	87	64	E 1	E 2	5	4	......
3..	59.40	58.58	25.3	30.8	87	67	E 1	E 3	5	5	1	57.40	56.26	25.3	31.3	96	66	SW 1	E 2	5	5	.3
4..	58.88	58.92	26.2	31.4	85	72	E 2	E 2	5	3	3	57.50	56.47	24.9	31.8	99	67	SW 1	E 2	4	6	......
5 .	60.02	59.57	26.4	30.3	89	74	E 3	E 2	7	5	2.1	58.02	57.62	25.5	29.8	96	76	SW 1	E 2	4	8	4.3
6..	59.72	58.97	26.6	30.6	85	70	E 1	E 3	5	6	1.3	58.45	57.76	25.2	28.9	98	85	SW 1	E 1	6	6	3.3
7..	58.92	58.58	26.4	31.4	88	66	E 2	E 2	6	5	1.3	58.98	57.19	25.5	31.9	98	72	W 1	E 2	6	4	18.8
8..	58.58	58.32	25.8	31.3	93	66	E 1	E 2	5	4	......	57.39	55.18	25.4	25.8	97	97	E 1	ENE 4	8	8	96.7
9..	59.35	58.22	26	30.8	85	69	E 1	E 3	3	4	1.8	55.37	54.61	23.8	27.2	95	83	ESE 2	SW 3	9	8	18.3
10..	58.90	57.84	24.9	30.8	94	69	E 1	E 2	5	4	......	56.16	56.05	24.9	30.2	91	75	SW 1	W 1	5	5	......
11..	57.92	57.35	24.5	30.7	95	70	S 1	E 3	4	5	......	57.07	55.43	25	30.8	85	64	SE 2	S 1	4	6	......
12..	58.15	58.08	25.2	31.3	94	67	E 1	E 3	4	5	......	56.94	55.88	25.8	30	89	76	E 1	E 2	5	6	......
13..	58.32	57.23	26.1	30.8	90	71	Calm	E 3	3	4	......	57.74	57	25.8	27.7	88	87	Calm	E 2	5	5	14.5
14..	58.18	57.09	26.3	31.5	88	68	E 1	E 2	3	4	......	57.73	57.12	24	30.8	97	72	E 1	E 1	4	4	......
15..	57.04	56.82	25.3	30.3	96	73	Calm	E 2	5	6	......	58.31	56.90	25	30	88	77	W 1	S 2	3	4	......
16..	57.08	55.88	25.3	30.9	97	71	E 1	E 2	4	5	......	58.22	57.02	25	30.1	88	70	W 1	SW 2	3	8	1
17..	57.24	55.94	25.3	31.8	95	69	E 1	E 3	4	5	......	58.92	57.17	25.5	30.4	92	73	SW 1	SW 2	6	5	......
18..	57.01	55.71	25.2	31.9	87	72	SE 1	E 3	5	5	......	58.23	56.14	25	31.3	93	67	SW 1	SW 2	4	5	......
19..	58.34	55.28	25.7	30.8	93	75	S 1	E 4	4	5	......	56.66	55.71	24.5	29.5	97	76	SW 1	SW 2	9	9	7.6
20..	58.84	57.13	25.5	29.9	98	80	S 1	E 3	6	6	......	56.88	56.34	24.5	29	94	76	SW 3	SW 3	9	4	......
21..	59.44	58.49	25.5	31.4	99	71	Calm	E 3	3	4	......	57.99	57.05	25.5	31	88	62	SW 1	SW 3	3	3	......
22..	59.14	57.55	23.8	31.5	99	72	W 1	E 3	4	4	......	59.19	57.26	25.4	31.8	86	64	SW 1	SW 3	3	4	......
23..	58.55	57.53	24.9	31.2	95	69	E 1	E 3	6	6	......	58.22	56.93	25.8	31.7	88	68	SW 1	SW 1	3	4	......
24..	58.52	57.77	24.7	31.7	97	63	SW 1	E 2	4	5	......	58.12	56.34	24.8	30.3	97	72	SW 1	SW 2	3	4	9.9
25..	58.69	58.12	25	32.7	92	62	S 1	E 1	4	4	......	56.94	55.93	24.7	24.8	96	98	SW 3	W 3	7	8	17.3
26..	58.45	56.97	24.5	31	91	65	SW 1	E 2	5	5	......	56.20	55.42	23.7	27.6	98	79	SW 2	SW 3	8	7	1.6
27..	57.11	55.54	25.1	32.1	91	63	SW 1	E 2	3	5	......	57.87	57.23	25	30.8	87	72	E 1	E 2	5	4	......
28..	57.20	56.14	25.8	31.7	92	68	SW 1	E 2	8	7	......	59.04	57.73	26.6	30.4	87	73	S 1	E 2	4	3	......
29..	57.14	56.09	25.2	32.4	92	66	SW 1	E 2	4	5	......	58.92	57.57	24.8	30	95	74	W 1	SW 2	4	5	9.9
30..	57.72	56.83	26.9	30.4	85	72	Calm	E 3	4	6	1	56.02	55.16	25.5	26.2	93	90	NW 2	W 1	7	9	34
31..	59.19	57.70	24.2	30.2	94	74	S 1	E 2	5	7	.5	.....	.....	.....	.....	....	....	....	....	....	....	......
Mean	58.47	57.44	25.4	31.1	91.6	69.4	1	2.5	4.6	4.8	......	57.71	56.57	25.2	29.8	92.6	74.7	1.2	2.1	5.3	5.5	......
Total	.....	.....	....	....	....	....	....	....	....	....	12.3	.....	.....	....	....	....	....	....	....	....	....	245.4

Day.	JULY.											AUGUST.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	53.36	52.59	25.9	26.5	78	80	W 3	SW 3	10	9	2.3	55.03	53.70	24.7	30.8	89	67	SW 1	SW 4	5	5	......
2..	54.80	55.92	25	27.6	88	76	SW 3	SW 3	9	9	......	55.80	54.72	25.8	29.4	88	74	SW 1	SW 4	7	7	5.8
3..	59.60	59.10	24.5	30.5	87	71	SW 1	SW 3	8	8	......	55.83	53.69	24.5	25.5	97	86	SW 3	SW 4	10	10	1.3
4..	60.15	58.59	25.2	30	94	75	SW 1	E 2	8	7	10.7	55.27	54.29	24.8	27.3	90	81	SW 2	SW 4	10	9	6.9
5..	59.65	58.41	23.5	29.3	97	68	E 2	E 2	10	4	4.1	55.22	55.24	24.5	27.2	92	81	SW 2	SW 3	8	8	6.4
6..	58.80	57.68	24.8	29	98	71	N 1	SW 2	9	4	......	55.30	54.31	26.4	29.4	82	75	SW 3	SW 4	9	9	......
7..	59.60	59.16	24	30.1	98	75	W 1	W 2	7	5	......	53.73	52.51	25.3	29.8	94	69	SW 2	SW 4	8	7	......
8..	59.76	59.24	25.5	30.8	88	72	E 1	SW 2	5	4	......	52.45	52.46	26.4	30	81	73	SW 3	SW 4	7	7	......
9..	59.11	58.23	25.4	31	93	69	E 1	E 2	5	5	1.5	51.91	52.53	26.9	30.1	82	72	SW 3	SW 4	8	7	......
10..	58.71	57.20	24.7	30.3	97	72	E 1	E 2	4	5	......	53.79	52.45	26.1	30.1	86	73	SW 3	SW 4	9	9	......
11..	58.51	57.70	24.7	31.2	91	68	N 1	E 2	4	4	......	53.14	52.40	26.5	28.3	83	82	SW 3	SW 3	9	9	5.8
12..	59.61	58.34	24.7	30.6	96	72	W 1	E 3	4	5	......	53.14	51.72	26.6	29	80	79	SW 4	SW 4	9	8	......
13..	58.71	58.18	25.4	28.7	97	87	W 1	ENE 2	6	6	8.1	55.24	54.63	26	29.2	81	72	SW 3	SW 4	8	8	......
14..	58.54	57.93	24.4	30.9	95	71	W 1	ENE 1	4	4	......	56.83	55.28	24.9	29.7	84	67	SW 3	SW 4	7	8	......
15..	58.04	56.83	24.3	31.5	97	60	W 1	N 2	3	4	......	57.43	56.13	24.5	30.1	91	71	SW 2	SW 2	3	5	......
16..	57.83	56.64	24.3	32.2	96	59	W 1	SW 2	3	4	......	58.04	56.38	24.4	31	90	65	SW 2	SW 3	5	4	......
17..	57.87	57.27	24	31.4	93	63	W 1	N 2	4	4	......	57.90	57.18	24.8	31.6	93	65	SW 2	SW 3	4	4	......
18..	57.58	56.95	24	31.8	98	64	W 1	NE 2	4	5	......	57.30	55.31	26.1	30.2	91	69	W 3	SW 3	4	5	......
19..	56.78	56.40	24.7	27.8	97	83	W 1	W 2	9	9	40.7	54.36	51.74	26.6	23.9	86	99	W 4	W 4	8	10	111.7
20..	55.96	56.27	24	25.7	98	96	W 1	W 1	9	9	42.9	52.50	55	24.8	27.1	87	88	SW 4	SW 2	9	7	2.5
21..	56	55.09	24.3	28.2	99	87	W 1	W 1	5	5	29.5	58.36	57.58	24.9	31.5	86	59	S 2	S 1	5	4	......
22..	56.19	55.20	24.3	29.5	99	76	W 1	W 3	10	5	27.2	58.47	57.17	24.3	31.1	96	71	W 1	W 1	3	3	......
23..	56.18	54.99	23.8	28.2	97	79	W 1	W 4	9	8	7.1	57.44	55.58	25	30.2	95	69	W 2	W 3	4	4	6.9
24..	56.25	55.38	24.4	26.6	95	90	W 1	W 1	9	9	12.2	55.11	54.23	25.4	29	90	78	SW 3	SW 2	9	8	......
25..	57.20	55.69	24.3	29.7	97	75	W 1	W 3	9	8	1	55.67	55.23	25	30.3	88	66	SW 1	SW 3	4	5	......
26..	55.57	53.56	26.5	27.5	91	76	W 3	W 4	9	10	8.6	57.33	58.13	25.5	32.8	91	60	E 2	W 1	3	4	......
27..	52.46	52.81	24.6	25.5	93	89	WSW 4	SW 4	10	10	11	59.18	57.48	23.9	30	97	70	W 1	W 3	7	5	......
28..	53.51	53.53	25.4	28.3	88	71	W 3	W 4	9	9	......	56.69	55.97	25.5	29.5	88	72	W 2	WNW 2	7	7	......
29..	53.68	52.41	25.6	29	87	71	SW 2	SW 4	8	7	.8	53.63	53.66	25.5	24.7	88	86	W 4	WSW 4	10	10	12.7
30..	52.85	52.51	25.7	29.1	92	73	SW 3	SW 3	9	8	......	54.06	54.24	25	27.5	83	72	SW 4	SW 4	10	9	1.3
31..	54.26	53.31	25.2	31.4	92	61	SW 2	SW 3	4	5	......	55.12	54.83	24.9	29	84	78	SW 3	SW 2	8	5	......
Mean	57	56.23	24.7	29.4	93.7	74.2	1.5	2.5	7	6.4	......	55.52	54.70	25.3	29.2	88.2	73.8	2.5	3.1	7	6.8	......
Total	.....	.....	....	....	....	....	....	....	....	....	207.7	.....	.....	....	....	....	....	....	....	....	....	161.3

BATAG LIGHTHOUSE, LAOANG

[φ=12° 40′ N; λ=125° 04′ E; barometer above sea, 78.5 meters; gravity correction not applied, —1.77 mm.]

Day.	SEPTEMBER.											OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	56.99	55.65	24	32.4	95	55	SW 1	SW 2	4	3	......	57.74	56.86	25.5	30.5	93	74	NE 2	NE 3	5	4	4.1
2..	57.86	57.85	24.3	28.9	96	77	SSW 1	SW 1	4	5	......	56.86	56.40	25	29.5	90	75	NE 2	NE 1	4	4	......
3..	59.29	58.13	24.3	31.4	89	72	S 1	S 2	3	3	......	57.06	55.95	26	29.8	84	74	W 2	W 3	7	3	......
4..	59.41	58.48	24.9	31.1	96	66	E 1	N 1	4	3	......	57.57	56.74	24.9	30.2	92	70	W 1	W 3	3	3	3
5..	58.58	56.95	25.9	30	88	71	N 2	N 3	5	4	......	57.67	56.30	25	29.2	97	76	W 1	W 1	5	4	1.3
6..	57.41	56.99	25.5	29.8	88	74	N 2	N 2	7	5	1.8	57.49	56.29	24	30.5	98	71	W 1	NW 2	4	4	20.3
7..	56.42	56.13	25.4	25.9	90	85	N 2	WNW 3	9	9	109.2	57.60	57.59	23.8	26.9	93	85	W 3	E 2	9	9	31
8..	56.48	56.50	23.8	26.8	98	89	W 2	W 1	9	9	21.8	57.36	56.56	23.5	27.5	98	87	W 1	W 1	8	8	16.2
9..	57.36	56.22	23.9	27.9	99	78	W 2	W 2	10	5	15.2	56.85	56.41	23.8	26.3	97	88	SW 2	SW 2	5	6	60.4
10..	56.25	56.40	24.3	23.4	89	98	W 2	W 2	9	10	98.6	57.69	57.47	24.3	29.5	89	77	E 1	E 1	5	5	......
11..	55.64	54.80	23.6	23.5	97	92	WNW 3	W 3	10	10	18.3	58.40	58.26	25.4	29.4	92	81	E 1	E 2	7	5	......
12..	52.70	52.51	23.8	22.4	93	96	W 3	W 3	10	10	98.5	59.83	59.70	25	29.8	97	77	W 1	E 2	4	5	......
13..	53.75	53.68	23.7	28.4	97	73	SW 3	SW 2	10	10	2	58.89	57.71	26	25	92	95	NE 3	NE 3	8	9	74.5
14..	56.67	55.79	23.5	28.8	97	76	S 2	SW 1	8	7	2.3	56.56	54.68	24.4	27	98	86	NE 4	E 3	10	9	8.1
15..	57.06	55.79	23.5	29.5	97	72	SW 2	SW 2	5	4	1.3	56.41	55.71	24.5	27.5	87	84	E 1	E 1	10	8	......
16..	57.98	57.11	24.2	29.1	98	76	N 1	N 1	9	9	84.1	57.59	56.38	23.4	31	98	68	W 1	W 2	3	3	......
17..	59.50	58.25	23.5	27.6	97	83	W 1	W 2	10	5	25.9	58.28	57.40	24	29.7	93	72	S 1	NW 1	3	4	......
18..	59.99	59.13	25	29.2	85	75	NE 2	NE 2	4	4	......	57.56	56.19	24.3	30.5	94	70	W 1	SW 2	3	4	......
19..	59.78	58.82	24.2	28.4	90	75	NE 2	NE 1	3	3	......	57.57	56.05	26	29	89	78	W 2	E 3	4	5	2.3
20..	59.20	57.66	24.1	27.8	96	82	NE 1	NE 3	4	4	......	57.32	57.10	25.4	29	93	79	E 2	E 2	6	9	......
21..	59.36	58.34	25	28.9	93	80	NE 2	NE 2	4	4	21.6	58.70	58.58	25	29	83	74	E 3	E 3	8	6	2.3
22..	59.48	59.03	24.9	29	91	76	NE 2	NE 1	4	5	......	59.41	58.60	25.2	30.3	87	70	E 2	E 1	7	8	......
23..	59.43	58.48	23.8	29	88	72	NE 1	NE 2	4	3	......	59.12	58.69	25.5	26	93	94	E 1	ENE 2	9	9	22.4
24..	58.69	58.17	24.4	28.3	91	81	NE 2	NE 3	4	5	3.8	59.74	58.47	23.8	28.5	86	78	E 1	E 2	7	8	......
25..	59.03	58.69	24.8	30	98	82	NE 2	NE 2	7	6	3	59.38	58.57	24	27.2	97	83	E 1	E 2	4	8	......
26..	59.62	58.58	25.2	28.8	92	82	NE 2	NE 3	6	5	10.2	60.04	58.90	24	28.6	97	79	E 1	E 2	9	8	15.2
27..	58.79	58.23	24.2	29	98	78	NE 2	NE 2	4	4	15.7	59.98	59.30	24	29.4	97	79	E 1	E 1	8	6	......
28..	58.96	57.83	23.6	29.4	93	78	NE 2	NE 2	8	5	7.9	59.48	58.59	25	30	97	77	E 3	E 2	7	4	2.8
29..	59.06	57.40	24.8	30	97	77	NE 1	NE 2	5	4	......	58.93	57.46	24.9	25.6	96	95	E 1	E 2	6	5	12.2
30..	58.98	57.47	24.5	28.6	91	75	NE 1	NE 2	3	3	......	58.55	57.27	25	26	97	90	E 1	E 3	5	8	30
31..	.....	.....	.....	.....	.....	.....	......	......	.....	.....	......	58.91	57.89	23.3	29.1	97	81	E 1	E 2	9	6	1.3
Mean	57.99	57.17	24.4	28.4	93.6	78.2	1.8	2	6.2	5.5	......	58.21	57.36	24.6	28.6	93.3	79.6	1.6	2	6.2	6	......
Total	.....	.....	.....	.....	.....	.....	......	......	.....	.....	541.2	.....	.....	.....	.....	.....	.....	......	......	.....	.....	307.4

Day.	NOVEMBER.											DECEMBER.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.32	58.39	25.5	28.6	96	80	E 1	E 1	9	5	13.9	59.26	58.08	25.4	26.9	97	86	E 3	E 2	8	7	4.3
2..	59.56	58.70	25.2	29.5	90	80	E 3	E 1	4	5	3	58.91	58.33	25.3	25.8	94	90	E 3	E 2	8	9	12.7
3..	59.15	57.99	26	29.5	92	77	ENE 3	ENE 3	6	4	1.3	57.73	57.31	25	25.2	97	93	E 3	E 3	9	10	38.3
4..	59.03	58.24	26	27.5	95	88	ENE 3	ENE 1	5	6	6.1	56.41	56.27	25	25.5	97	93	E 3	ESE 3	10	10	39.9
5..	58.09	57.58	25.8	29	93	79	E 3	E 3	6	4	22.1	57.04	57.10	24.5	25.8	92	92	ESE 3	ESE 1	10	10	4.6
6..	58.33	57.09	24	26.8	95	89	E 2	E 1	9	8	40.9	57.85	57.35	24	29	98	78	ESE 2	ESE 2	5	5	......
7..	59.34	58.77	23.8	25.7	93	89	E 1	E 1	6	9	11.6	58.74	57.96	24.5	29.6	96	77	ESE 1	ESE 1	3	3	......
8..	60	57.92	24	28.9	95	78	W 1	E 1	9	8	39.3	58.78	58.15	24	29.3	98	76	ESE 1	E 2	4	3	......
9..	57.73	56.35	23	25.9	95	86	WNW 2	W 3	9	8	2.5	58.51	58.44	25	28	92	80	E 3	E 2	4	4	6.4
10..	56.58	55.18	24	29	95	75	SW 2	SW 3	9	8	2	59.70	59.13	25.7	28.9	83	73	E 3	E 3	5	3	3.3
11..	56	55.24	24.5	26.8	96	90	W 3	W 2	9	10	3.3	59.94	58.70	25.8	29.9	81	73	E 3	E 3	5	4	2.5
12..	56.86	56.25	25	28	92	85	NW 2	NNW 3	8	8	25.6	58.87	58.20	25.5	26.8	93	84	E 3	E 3	8	9	2
13..	57.06	56.25	23.5	24.8	96	97	W 3	W 3	10	10	......	58.76	57.12	23.6	28.2	98	79	E 2	E 3	9	5	13.5
14..	52.20	49.14	23.4	23	91	....	W 5	SW 8	10	10	[a]274.3	57.97	57.02	23.2	29.4	98	71	E 1	E 3	8	3	.8
15..	47.24	39.78	23.2	23	....	....	SW 8	SW 8	10	10	......	58.20	57.71	22.4	29.3	96	69	E 1	E 3	3	3	......
16..	47.10	43.21	23	25.1	....	....	WNW 8	NW 2	10	10	[b]85.3	59.02	59.10	23.3	28.4	97	77	E 1	E 3	5	4	53.3
17..	53.19	54.88	24	24.7	....	....	ESE 6	ESE 4	10	9	7.4	59.20	59.80	24.5	26	81	89	E 4	E 3	10	6	16
18..	58.07	56.81	23.9	29	....	82	E 1	E 2	6	3	2.3	59.99	59.68	24.9	27.6	94	89	E 2	E 3	8	9	25.7
19..	58.03	57.10	24.5	29.5	99	77	E 1	E 2	4	4	......	60.25	60.76	25.4	25	93	85	E 3	ENE 3	6	5	17.8
20..	58.54	56.96	24.5	29.4	99	76	E 1	E 1	4	4	......	61.25	60.68	25.4	27.3	80	73	E 3	E 3	6	7	......
21..	57.60	55.73	24.5	29.6	99	77	S 1	W 3	5	3	16.5	61.50	60.27	25.5	28.9	77	69	E 4	E 3	7	5	3.3
22..	58.82	58.39	23.7	25.9	99	89	W 2	NE 3	8	8	23.9	61.59	60.42	23.6	25.5	98	84	E 4	E 4	10	10	20.1
23..	59.22	59.13	24	28	90	65	NE 2	NE 1	8	6	......	60.56	59.66	25.3	28.3	86	77	E 3	E 3	9	4	14.5
24..	59.57	59.26	23.5	25	96	85	NE 3	NE 3	9	9	2.5	59.98	59.07	24	24.6	91	97	E 2	E 1	9	9	23.4
25..	59.35	58.62	24.2	25	82	87	E 2	E 3	4	8	2.8	58.92	57.89	24.4	28.5	91	77	E 1	E 3	5	7	2.8
26..	58.76	58.13	25.5	24.8	88	93	E 3	E 1	8	8	50.3	59.62	58.55	25.3	26.5	93	83	E 3	E 3	9	9	24.6
27..	57.72	57.75	23	25.4	98	97	ENE 3	ENE 1	10	10	12.2	59.05	58.81	24.6	27	98	87	E 1	E 1	10	8	11.4
28..	59.72	58.72	24.6	29	93	78	E 1	E 3	8	4	7.9	60.01	59.18	24	29.5	95	77	E 1	E 2	3	4	10.7
29..	59.83	58.74	24.5	26.9	96	88	E 2	E 2	8	7	4.6	60.18	59.35	25.6?	25.8	79?	85	E 4	E 4	9	9	33.3
30..	59.36	58.71	26	27	95	92	E 3	E 3	9	8	35.5	60.17	60.79	23.8	23.1	93	94	NE 4	NE 4	10	10	8.2
31..	.....	.....	.....	.....	.....	.....	......	......	.....	.....	......	61.64	60.89	23.4	25.3	88	81	NE 4	NE 3	10	9	7.1
Mean	57.38	56.17	24.3	27	94.2	83.8	2.7	2.5	7.7	7.1	......	59.34	58.77	24.6	27.3	91.7	81.9	2.5	2.6	7.3	6.5	......
Total	.....	.....	.....	.....	.....	.....	......	......	.....	.....	697.1	.....	.....	.....	.....	.....	.....	......	......	.....	.....	400.5

[a] Rain for the 13th and 14th.

[b] Rain for the 15th and 16th.

SORSOGON

[ϕ=12° 58′ N; λ=124° 00′ E; barometer above sea, 9.75 meters; gravity correction not applied, —1.77 mm.]

Day.	JANUARY.[a]											FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	....	....	....	....	....	....	....	....	....	....	....	62.65	61.37	22.5	28.4	90	70	N 1	NE 1	10	4	....
2..	....	60.45	....	....	....	....	....	NE 1	....	9	44.2	62.97	62.21	21.9	28.5	92	66	Calm	N 3	10	10	....
3..	62.41	61.02	24.2	26.8	81	80	NE 1	NNE 2	10	10	53.1	63.98	....	23.5	....	87	....	N 2	....	10	....	....
4..	62.46	61.56	24.5	26.3	90	83	N 1	NW 2	10	10	24.1	64.17	63.37	21	26.3	82	81	N 1	N 3	10	7	....
5..	62.93	62.10	24	27.8	85	75	NNE 1	NNE 3	10	10	25.7	65.33	63.97	24.5	28.3	82	70	NE 3	NE 5	10	10	3.3
6..	64.43	63.36	24.9	27.5	84	77	N 3	NE 4	10	10	10.9	65.42	63.65	23	27.3	93	73	NE 5	NE 5	10	10	13.4
7..	63.44	62.25	25	27	88	75	NE 3	NE 3	10	10	14.4	65.18	63.51	24.5	28.5	86	69	NE 3	NE 4	10	10	2.5
8..	63.11	61.26	23	28.5	96	70	N 1	NE 2	10	8	2.3	64.28	63.26	24.5	28.5	87	71	NE 1	NE 2	10	10	.8
9..	61.36	60.06	24.5	28.5	87	74	NE 2	NE 1	10	8	....	63.88	63.08	24	28.3	91	74	NE 2	NE 2	10	7	1
10..	60.78	59.24	22	28.5	94	75	NE 1	NE 1	10	10	....	63.59	62.08	23	26.5	87	81	NE 1	NE 3	10	10	7.1
11..	59.99	59.22	23	28	96	74	Calm	N 2	10	8	....	63.59	62.44	23	26.3	92	75	NE 1	NE 3	10	10	6.6
12..	60.33	59.44	20.1	28.5	96	70	NW 1	NE 1	10	8	....	63.19	61.20	23.5	29.2	93	66	NE 1	NE 3	10	8	2.8
13..	61.11	60.21	20.7	28.5	94	70	Calm	NE 1	10	6	....	62.18	61.31	24	28.7	96	67	NE 1	NE 2	10	10	1.3
14..	62.41	62.16	21.5	27	89	73	Calm	N 1	10	7	....	62.62	61.57	23	28	87	70	NE 1	NE 1	10	7	3.8
15..	62.87	61.56	19.7	27.1	93	73	Calm	NNE 1	10	8	4.8	63.11	61.63	24	28.8	96	71	NE 2	NE 2	10	10	12.2
16..	63.05	61.81	23.5	28	91	72	NE 1	NE 3	10	10	1.3	62.13	60.26	24	28.2	91	74	NE 1	NE 1	10	10	....
17..	63.56	63.03	23	27.5	83	68	N 1	NNE 4	10	4	....	60.46	59.13	23.8	28.5	85	71	Calm	NE 2	10	10	....
18..	64.21	63.55	24	28.5	79	68	NE 2	N 2	10	10	....	60.48	59.53	24.5	28.4	87	73	NE 1	NE 1	10	7	....
19..	64.36	63.52	20.9	28.3	94	65	Calm	N 3	10	10	14.5	61.66	59.95	23.5	28.4	94	70	NE 1	NE 1	10	10	....
20..	63.74	62.45	23.5	27	87	75	N 3	NNE 5	10	10	4.8	62.16	60.06	24.5	28.3	87	70	NE 1	NE 2	10	10	....
21..	64.38	62.81	24.5	27	81	71	NNE 4	NNE 4	10	10	.5	60.76	59.18	24.5	29.2	86	66	Calm	NE 1	10	5	....
22..	63.79	62.43	24	27.2	86	71	NE 3	NE 3	10	10	....	59.62	58.22	24	28.8	91	76	NE 1	NE 1	10	7	....
23..	62.39	61.65	23.5	27.8	83	71	N 3	NE 5	10	10	....	60.21	59.18	23	28	93	77	Calm	NE 1	10	9	10.7
24..	62.16	60.97	24.5	27	86	78	N 2	NE 4	10	10	.5	60.74	59.43	24	29.5	91	66	NE 1	NE 1	10	7	....
25..	61.84	....	24.7	27.3	86	73	NE 2	NE 2	10	10	6.1	60.69	59.65	21.5	28	95	71	Calm	NE 2	10	4	5.1
26..	62.13	61.87	24.5	27.5	88	75	NE 1	NE 3	10	8	2	61.28	61.08	23	26	95	79	NE 1	NE 2	10	10	17.2
27..	62.33	61.26	23.5	28	94	72	NNE 1	NE 1	10	5	1.5	62.06	61.19	23.5	25.5	96	88	NE 1	NE 2	10	10	5.9
28..	62.01	61.23	24.5	28	87	71	N 1	NE 2	10	10	....	62.02	60.43	23.5	28.2	94	69	NE 1	NE 1	10	8	1.3
29..	62.22	61.50	23	28.5	91	69	N 1	NE 1	10	4	....	....	....	....	....	....	....	....	....	....	....	....
30..	62.23	61.02	19	28.9	91	71	Calm	NE 1	10	5	2.3	....	....	....	....	....	....	....	....	....	....	....
31..	62.02	60.90	23.5	27	94	80	NE 1	N 1	10	9	1.3	....	....	....	....	....	....	....	....	....	....	....
Mean	62.55	61.51	23.1	27.7	88.8	73.1	1.4	2.3	10	8.6	....	62.51	61.18	23.5	28	90.2	72.4	1.2	2.1	10	8.5	....
Total	....	....	....	....	....	....	....	....	....	....	214.3	....	....	....	....	....	....	....	....	....	....	95

Day.	MARCH.											APRIL.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.23	60.66	23.8	27.5	91	79	NE 1	N 1	10	10	1	60.19	59.38	24	30.9	94	60	Calm	ENE 1	10	10	....
2..	60.63	60.38	22.8	28.5	91	70	NE 1	NE 1	10	10	....	60.34	60.07	24	30	96	65	NNE 1	ESE 1	10	10	....
3..	62.13	61.52	23.5	27.8	83	75	NE 1	NE 3	10	10	....	60.72	59.91	23	30.5	96	59	N 1	ENE 1	10	5	3.3
4..	62.56	61.91	24	28.5	91	70	NE 1	NE 1	10	8	....	59.78	59.11	23	30.1	91	61	Calm	E 1	10	4	....
5..	62.75	61.62	20.5	27.6	95	69	NE 1	NE 3	10	10	....	60.91	59.52	22	30.2	96	64	Calm	NE 1	10	4	....
6..	62.30	61.08	21.5	28.5	91	70	NE 1	NE 1	10	10	....	60.91	59.81	23.5	31	96	62	Calm	NE 1	10	4	....
7..	61.98	61.08	23	28.8	91	72	NE 1	NE 3	10	10	....	60.81	59.08	23.5	30.5	93	64	Calm	NE 1	10	7	1
8..	61.48	60.70	24	27.5	79	72	NE 1	NE 2	10	10	5.3	59.10	58.61	24	29.1	91	71	Calm	NW 3	10	10	11.2
9..	61.43	60.66	24.5	27.8	87	74	NE 1	NE 2	10	10	23.8	58.48	59.03	25.5	26.5	92	88	N 1	NW 1	10	10	13.4
10..	62.28	61.16	23.5	28.5	96	70	N 1	NE 1	10	10	3.8	58.60	58.42	25	31.5	92	66	N 1	NE 1	10	10	5.3
11..	62.31	61.02	23.5	27.5	91	77	E 2	NE 4	10	10	14	59.18	58.36	24.5	30	96	70	NE 1	NE 1	10	10	....
12..	61.91	61.31	23.2	28.5	94	75	NE 2	NE 2	10	10	10.4	59.05	58.02	25	31	96	64	NE 1	E 2	10	8	....
13..	61.77	61.23	24	29	90	68	NE 1	NE 2	10	10	....	59.43	....	24.5	....	94	....	Calm	....	10	....	....
14..	61.71	60.98	23.5	27.5	96	73	NE 1	NE 2	10	10	1.3	59.38	58.56	25	31.1	96	56	Calm	E 2	10	5	....
15..	61.63	61.17	24.5	29.8	86	66	NE 1	NE 1	10	10	2.8	60.26	59.13	26	31.8	90	61	Calm	E 1	10	10	....
16..	61.70	60.78	20	28.8	91	71	Calm	NE 3	10	10	10.9	60.56	59.23	23.2	29.7	88	63	Calm	N 3	10	7	....
17..	61.28	61.27	23.3	28.3	95	75	NE 1	NE 2	10	10	1.5	59.51	....	25	....	92	....	Calm	....	10	....	11.2
18..	62.01	61.66	24	28.2	91	71	NE 1	NE 1	10	10	6.6	59.30	58.81	24.5	31.3	87	61	Calm	N 2	10	3	5.3
19..	62.59	62.03	24	29	92	74	NE 1	NE 1	10	10	4	60.41	60.21	24.5	27.7	86	72	N 2	N 3	10	10	3.8
20..	62.46	61.23	23.5	29.2	96	71	NE 1	NE 2	10	10	18	61.74	....	23.5	....	96	....	Calm	....	10	....	....
21..	61.46	60.36	23	29	91	64	Calm	NE 1	10	6	....	61.88	59.86	24	29.8	90	69	Calm	N 2	10	10	....
22..	61.09	60.05	21	29.2	91	69	Calm	NE 1	10	10	....	60.61	59.37	23.5	29.7	96	69	Calm	N 1	10	6	....
23..	61.16	59.83	23.7	31.8	90	66	Calm	NE 1	10	10	....	61.24	59.63	23.2	30.9	90	66	Calm	NE 1	10	7	....
24..	60.68	59.60	24.5	30	92	62	Calm	NE 1	10	8	1.8	61.23	59.81	24	30.5	86	65	Calm	NE 3	10	8	9.7
25..	60.69	59.71	24	28.5	91	81	Calm	NE 1	10	10	22.1	60.88	59.58	24.1	30.5	92	65	Calm	NE 1	10	10	5.3
26..	61.34	59.78	24	29	83	66	Calm	NE 2	10	10	3.3	60.21	58.72	23.6	31	96	67	Calm	NE 1	10	6	....
27..	60.59	59.53	23.5	29.5	96	63	Calm	NE 2	10	10	1.5	59.84	57.83	24	31	91	65	Calm	NE 1	10	4	....
28..	60.64	59.51	24	29.6	86	71	NE 1	NE 2	10	10	1	59.05	57.66	24	31.5	91	65	N 1	E 2	10	7	....
29..	60.71	59.86	24.2	30	85	70	NE 1	NE 3	10	10	8.1	59.30	58.77	24	28.5	92	71	Calm	NE 1	10	5	11
30..	60.34	58.67	24	28.5	86	75	NE 1	NE 1	10	10	6.9	60.09	58.87	23.3	30.5	92	65	Calm	NE 2	10	8	....
31..	59.34	58.12	24	28	91	77	NW 1	ENE 1	10	10	....	....	....	....	....	....	....	....	....	....	....	....
Mean	61.49	60.60	23.4	28.7	90.3	71.2	0.8	1.7	10	9.7	....	60.10	59.09	24	30.3	92.5	65.7	0.3	1.5	10	7.3	....
Total	....	....	....	....	....	....	....	....	....	....	148.1	....	....	....	....	....	....	....	....	....	....	80.5

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[a] The daily rainfall of the 26th, 2.0 mm., was printed in the "Monthly Bulletin" (page 15) as corresponding to Legaspi instead of Sorsogon.

SORSOGON

[ϕ=12° 58′ N; λ=124° 00′ E; barometer above sea, 9.75 meters; gravity correction not applied, —1.77 mm.]

Day.	MAY.											JUNE.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.91	58.23	23	31.5	91	62	Calm	NE 1	10	10	......	59.18	.....	24	....	96	....	Calm	....	10	....	13
2..	60.16	58.43	23	31.5	91	60	Calm	NE 2	10	4	......	57.83	56.81	23.8	31.5	93	63	Calm	NE 2	10	10	......
3..	59.59	58.76	23.5	31.2	96	64	Calm	NE 3	10	10	3.6	57.30	56.21	23.8	33	93	54	Calm	N 1	10	10	......
4..	59.34	58.87	25	30	90	69	Calm	NE 3	10	10	10.7	57.49	56.20	23.5	33.5	96	56	Calm	ENE 1	10	4	......
5..	60.64	59.93	24	31.5	95	66	NE 3	NE 2	10	10	5.6	58.35	57.35	24	33.5	97	56	Calm	ESE 2	10	10	......
6..	60.46	59.27	25	27	96	85	Calm	NE 1	10	10	6.1	58.80	57.93	24	30	96	75	Calm	E 1	10	10	3.3
7..	59.48	58.52	26	31.5	89	66	Calm	NE 2	10	7	2	59.25	57.47	24.5	32.7	96	60	Calm	NW 2	10	10	8.4
8..	58.90	58.57	24.4	30.5	91	66	Calm	NE 1	10	8	.8	57.60	56.40	25	26	96	84	Calm	SW 1	10	10	165.8
9..	59.68	58.26	24	31.5	96	60	Calm	NE 2	10	3	3	52.07	54.63	....	28	....	74	SE 10	S 4	10	10	40.4
10..	59.15	58.16	24.5	30.5	92	68	Calm	NE 1	10	7	......	56.08	56.25	26.4	27	81	84	S 3	S 2	10	10	4.1
11..	58.30	56.85	24.3	33.4	93	58	Calm	E 1	10	2	......	57.03	56.07	25	29.9	92	65	Calm	SW 2	10	10	......
12..	58.30	57.13	24.4	33	97	58	Calm	E 1	10	2	......	57.07	56.24	27	30.6	77	68	SW 2	SW 2	10	10	......
13..	58.55	56.91	25	32.5	92	53	Calm	NE 1	7	3	......	57.77	57.01	26	32.8	88	62	SW 1	SW 1	10	7	......
14..	58.54	56.98	25.8	31.9	89	58	Calm	E 1	10	3	......	57.94	57.05	26	31.1	84	65	SW 1	SW 2	10	6	......
15..	57.29	56.57	23	31	91	69	Calm	SE 1	10	10	......	58.57	57	26	31.6	85	62	SW 1	SW 2	10	10	......
16..	57.24	55.88	25	33.5	96	48	Calm	SE 1	10	2	......	58.33	57.46	26	32	85	63	SW 1	SW 3	10	10	......
17..	57.38	55.57	24	33.6	91	55	Calm	Calm	10	2	......	58.91	57.41	26.5	32.4	84	61	Calm	SW 2	10	10	......
18..	57.23	55.70	23.4	33.8	95	57	Calm	SW 2	10	10	......	59.05	56.52	24	31.5	96	63	Calm	SW 2	10	10	......
19..	58.26	56.23	24.5	34.5	96	56	NE 1	SE 1	10	5	......	56.71	56.58	25	26	96	79	Calm	SW 2	10	10	14.3
20..	59.23	56.75	25.5	33.7	91	62	Calm	SE 1	10	10	1	57.69	56.83	23	26	91	82	SW 1	SW 1	10	10	3.6
21..	59.67	58.07	25.5	33.5	92	57	Calm	NE 1	10	10	......	58.15	57.37	25	30.5	92	62	Calm	SW 2	10	10	......
22..	59.20	57.45	23.5	33.3	94	50	Calm	E 1	10	10	......	59.34	57.68	26	31.8	88	60	Calm	SW 3	10	10	......
23..	58.71	57.37	24.7	33	86	58	Calm	NE 1	10	10	......	58.41	57.23	26.5	31.1	83	71	SW 1	SW 3	10	10	......
24..	58.65	57.45	23.5	34	96	59	Calm	SE 1	10	10	......	58.08	56.80	25.3	29	92	78	Calm	SW 2	10	10	9.7
25..	58.60	57.30	24.5	34.5	89	51	Calm	E 1	10	6	......	57.40	55.93	24.5	27	92	82	SW 1	SW 2	10	10	32.1
26..	58.39	56.33	23.6	32.4	96	64	Calm	....	10	5	......	56.40	55.80	24.8	24	80	85	SW 2	SW 2	10	10	36.8
27..	56.90	55.54	24	32.5	91	63	Calm	SW 3	10	10	......	57.93	57.17	26	31.5	84	63	SW 1	SW 1	10	10	......
28..	57.03	55.76	25.4	34	88	53	Calm	E 1	10	10	......	59.18	57.50	23	32.5	97	60	Calm	N 1	10	5	2.3
29..	56.84	56.22	24.7	33.8	94	53	Calm	E 2	10	10	......	59.48	.....	24.5	....	92	....	NE 1	....	10	....	......
30..	57.81	.....	25.2	....	90	....	Calm	....	10	....	......	56.73	55.58	23.5	30	96	68	NW 1	WSW 1	10	10	......
31..	59.08	58.03	26	31.7	88	58	Calm	NE 1	10	10	......	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.66	57.37	24.4	32.3	92.3	60.2	0.1	1.4	9.9	7.3	......	57.80	56.73	24.9	30.2	90.3	68	0.9	1.9	10	9.4	......
Total	.....	.....	....	....	....	....	....	....	....	....	32.8	.....	.....	....	....	....	....	....	....	....	....	333.8
	JULY.											AUGUST.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	54.43	54.08	24	24	91	86	SW 1	SW 4	10	10	49	55.11	53.68	27.2	31.5	87	63	SW 4	SW 6	10	6	1.5
2..	55.05	56.13	24	24	91	91	SW 5	SW 6	10	10	40.6	55.69	54.98	26.5	28.5	88	81	SW 3	SW 2	10	10	44.2
3..	59.57	59.14	24	30.5	91	65	SW 1	SW 1	10	10	......	55.96	54.05	25	27.7	94	81	SW 2	SW 4	10	10	24.1
4..	60.76	.....	23.5	....	96	....	Calm	....	10	....	10.9	55.49	54.35	25.9	28.5	85	78	SW 2	SW 2	10	10	9.9
5..	59.89	58.60	23.4	28.4	88	75	NW 1	NE 1	10	10	3.3	55.34	55.28	25.4	28	88	82	SW 4	SW 3	10	10	24.1
6..	59.23	58.22	24	30.4	91	65	NW 1	NW 1	10	10	......	55.59	54.26	26.5	29	91	77	SW 3	SW 4	10	10	9.1
7..	60.19	59.47	23	29.8	95	69	NW 1	SW 2	10	10	4.6	54.03	52.28	24.5	29	96	78	SW 4	SW 6	10	10	......
8..	60.27	59.38	24.2	32	90	60	NW 1	Calm	10	10	......	.....	.....	....	....	....	....	....	....	....	....	......
9..	59.49	58.07	23.5	32	96	61	Calm	NE 1	10	10	4.1	.....	.....	....	....	....	....	....	....	....	....	[a] 7.1
10..	58.68	56.99	23	32	92	63	Calm	SW 1	10	4	....	53.84	52.95	27	29	84	78	SW 5	SW 5	10	10	......
11..	58.70	58.02	23	32	91	67	Calm	NW 1	10	10	5.1	53.50	52.95	27.5	29.2	84	75	SW 6	SW 6	10	10	6.9
12..	59.72	58.54	23	32	98	60	Calm	Calm	10	10	......	53.25	52.64	26.8	30	88	71	SW 5	SW 6	10	10	......
13..	58.80	58.36	24	32.1	96	62	Calm	Calm	10	10	......	55.12	54.46?	27.5	30.5	79	72	SW 3	SW 4	10	10	2.8
14..	58.89	57.74	22.5	31.7	96	66	Calm	SE 1	10	10	......	57.18	56.07	26.4	29.6	82	69	SW 1	SW 3	10	10	.3
15..	58.43	57.11	22.5	31.8	96	61	Calm	SW 1	10	10	......	57.08	56.66	26	31	84	69	SW 1	SW 3	10	10	......
16..	57.80	56.71	23.8	31.8	93	61	Calm	Calm	10	10	9.1	58.13	57.45	26	31.4	84	65	SW 1	SW 4	10	10	......
17..	58.28	57.01	22.5	28.4	96	75	Calm	Calm	10	10	5.1	58.12	57.01	26	30.1	84	71	SW 1	SW 2	10	10	......
18..	58	57.08	23	31.6	98	61	Calm	NE 1	10	10	9.4	57.76	55.76	24.5	30.9	89	66	SW 1	SW 1	10	10	13
19..	57.08	55.73	23.5	26.2	96	82	WNW 1	Calm	10	10	93.2	55.87	54.36	26	26.6	85	78	W 1	WSW 2	10	10	73.1
20..	56.45	56.30	22.5	26	94	82	Calm	N 1	10	10	5.6	52.21	53.68	23	27.5	95	83	SW 5	SW 4	10	10	8.4
21..	56.08	55.14	23.5	31	96	63	Calm	N 1	10	10	9.1	58.55	57.28	26	30.5	86	70	SW 1	SW 1	10	10	......
22..	56.33	55.24	24	29	90	75	NW 1	SW 1	10	10	.8	58.80	57.16	22.4	31.8	96	64	Calm	SW 1	10	10	......
23..	55.80	55.30	24.8	26.1	93	88	SW 1	SW 1	10	10	11.4	57.02	55.59	26.4	30.5	81	68	SW 1	SW 3	10	10	15.2
24..	56.30	55.24	24.5	30.6	96	70	SW 1	SW 1	10	10	.3	55.47	54.78	25.4	29	93	74	SW 2	SW 4	10	10	......
25..	57.20	55.66	24.8	31	94	64	Calm	SW 1	10	10	......	55.43	55.02	27.4	31.5	80	65	SW 4	SW 4	10	10	......
26..	55.88	53.34	26	29.1	84	71	SW 1	SW 5	10	10	......	57.21	57.75	26	30.5	78	71	SW 1	SW 1	10	10	......
27..	52.95	52.65	26.8	28	77	81	SW 4	SW 4	10	10	15.8	59.25	57.36	22.9	29.8	92	65	Calm	SW 1	10	10	......
28..	54	54.09	27.4?	27.5	74?	77	SW 3	SW 6	10	10	14.7	57.15	56.29	22.4	29.7	88	71	NW 1	SW 1	10	10	39.9
29..	53.70	53.08	27	29	78	76	SW 4	SW 3	10	10	63.3	55.08	54.18	24	26	86	88	WSW 1	SW 1	10	10	33.2
30..	53.60	52.83	26	29	84	71	SW 2	SW 4	10	10	16.8	54.63	54.58	24.6	26.2	92	85	SW 4	SW 4	10	10	3.8
31..	54.23	52.89	26	31	85	65	SW 2	SW 6	10	6	......	55.41	54.84	26	28.5	88	70	SW 4	SW 3	10	10	15.7
Mean	57.28	56.27	24.1	29.6	91.2	70.4	1	1.8	10	9.7	......	55.97	55.09	25.6	29.4	87.1	73.4	2.4	3.1	10	9.9	......
Total	.....	.....	....	....	....	....	....	....	....	....	372.2	.....	.....	....	....	....	....	....	....	....	....	332.3

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[a] Total amount for 2 days.

SORSOGON

[φ=12° 58′ N; λ=124° 00′ E; barometer above sea, 9.75 meters; gravity correction not applied, —1.77 mm.]

Day.	SEPTEMBER.											OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	56.49	55.18	25.1	30.5	81	67	SW 1	SW 3	10	10	......	58.24	57.12	23.3	27.8	96	82	Calm	N 1	5	10	0.5
2..	58.05	57.58	24	30.5	91	68	SW 1	SW 1	10	10	......	57.24	55.87	23.5	30	96	71	Calm	SW 1	10	10	......
3..	59.35	58.28	22.4	31.5	96	63	Calm	SW 1	10	10	......	57.53	55.93	21.5	30.6	95	69	Calm	SW 1	10	10	.8
4..	59.31	58.14	22.5	31.8	96	64	Calm	N 1	10	7	......	58.06	56.52	24.4	28.4	93	82	Calm	SW 1	10	10	8.9
5..	58.87	57.15	24.8	31.5	91	60	N 1	N 1	10	10	23.1	57.98	56.31	24.4	30	94	76	Calm	SW 1	10	10	1.5
6..	57.98	56.80	23.8	31	93	62	NNW 1	N 1	10	10	......	57.93	56.07	22.8	29.4	97	71	NW 1	NE 1	10	6	7.2
7..	57.05	56.34	22.8	27.7	93	79	Calm	Calm	10	10	......	58.29	57.54	24.7	25.4	87	86	Calm	Calm	10	10	26.7
8..	56.63	56.32	22.8	30	93	69	Calm	NW 1	10	10	26.7	57.81	56.04	23	28	83	72	Calm	SE 1	10	10	10.2
9..	58.08	56.69	23.5	28	96	83	Calm	SW 1	10	10	4.1	56.88	56.19	23.8	28	88	74	Calm	SW 1	10	10	39.3
10..	57	55.92	22.8	25	97	92	NW 1	SW 1	10	10	44.1	57.27	56.88	25	28.5	87	69	SW 1	SW 1	10	10	1
11..	55.73	.....	22.5	....	96	....	N 1	....	10	....	5.1	58.89	57.68	23.5	30.3	96	68	W 1	SE 1	10	10	......
12..	53.87	53.22	24	24.5	91	88	SW 1	SW 2	10	10	75.2	60.23	58.98	22.7	31	94	65	Calm	NNE 1	10	10	......
13..	54.55	54.37	23	25.7	91	90	SW 3	SW 1	10	10	27.9	59.57	57.75	23.5	31	96	65	Calm	NW 2	10	9	42.9
14..	57.03	55.69	24.7	29	94	78	SW 1	SW 1	10	10	1.5	57.03	54.87	25.6	26	85	84	NNE 3	NNE 3	10	10	65.3
15..	57.40	56.16	24	29	91	71	Calm	SW 1	10	10	2.3	56.79	55.63	24.5	29	87	74	Calm	NNE 1	10	10	......
16..	58.33	57.06	24.5	30.6	87	66	SW 1	SW 1	10	10	27.2	57.79	56.52	24.9	31.5	91	66	SW 1	SW 1	10	5	......
17..	59.81	58.40	24.5	27	87	81	Calm	Calm	10	10	24.2	58.44	56.80	24	31	96	67	Calm	SW 1	10	4	......
18..	60.42	59.16	23.5	28	96	83	N 1	N 1	10	10	......	57.67	56.23	24.7	28.7	90	77	Calm	SW 2	6	10	17.1
19..	60.24	58.91	23	30.5	96	65	Calm	NNE 1	10	5	1.5	58.07	55.90	24	28.3	95	82	NW 1	WSW 1	10	10	19.3
20..	59.35	58.75	24.5	30.2	89	64	NE 1	NE 1	10	10	26.7	58.17	57.30	24.6	30.1	91	68	Calm	NW 1	10	10	5.8
21..	59.86	58.04	24	29	91	71	N 1	N 1	10	10	8.9	59.46	58.61	25.2	29.5	88	70	Calm	NW 1	8	10	3.1
22..	59.84	58.69	24.9	30	92	65	E 1	NE 3	9	7	......	59.92	58.22	24.4	29.5	89	68	NNE 1	NE 1	8	10	.8
23..	59.57	58.66	23	30.5	91	62	NNE 1	NE 2	3	2	......	59.53	58.80	23.5	30.5	96	68	Calm	NNE 1	10	10	.8
24..	59.20	58.59	23.1	30.5	90	65	NE 1	NE 1	10	8	......	59.28	57.98	25	31.5	87	67	Calm	Calm	10	10	12.2
25..	59.28	58.70	26	30	88	75	N 2	NNE 3	10	9	8.6	59.68	58.33	23.5	27.3	96	75	Calm	NE 1	10	10	......
26..	59.81	.....	24	....	96	....	NE 1	....	10	....	......	60.47	58.77	24	30	94	66	NE 1	NE 1	10	10	12.2
27..	59	58.34	24	27	91	83	NE 1	N 1	10	10	11.6	60.49	59.10	23.5	27.7	96	70	Calm	NE 1	10	10	2.5
28..	59.15	57.75	23.8	29.6	93	69	NW 1	NE 1	10	10	2.8	59.56	58.50	24.7	31	89	67	NE 1	NE 1	10	10	3.8
29..	59.23	57.51	23.5	31.4	96	66	Calm	NNE 1	10	6	3	59.36	57.73	25.5	28.2	83	79	NE 1	NE 2	10	10	19.1
30..	59.17	57.51	23.2	30.5	94	64	Calm	N 1	10	4	......	59.09	58.28	25.5	25.4	90	91	N 1	N 1	10	10	93.5
31..	.....	.....	....	....	....	....	....	....	....	....	......	59.28	57.81	24.7	29.5	90	70	N 1	N 1	10	10	13
Mean	58.32	57.28	23.7	29.3	92.2	71.9	0.8	1.2	9.7	8.9	......	58.58	57.23	24.1	29.1	91.5	72.9	0.5	1.1	9.6	9.5	......
Total	.....	.....	....	....	....	....	....	....	....	....	324.5	.....	.....	....	....	....	....	....	....	....	....	407.5

Day.	NOVEMBER.											DECEMBER.[c]										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.77	58.66	25	28.7	92	78	Calm	N 1	10	10	27.4	59.35	57.97	25.4	27.5	88	77	NE 1	NE 1	10	10	12.2
2..	60.11	58.66	25	27	88	92	Calm	NE 1	10	10	4.1	59.43	58.48	25	28	92	77	NE 1	NE 1	10	10	5.3
3..	59.43	57.97	25.3	28.5	93	81	Calm	NNE 1	10	10	6.6	58.25	56.98	24.7	28	86	77	NE 1	NE 1	10	10	......
4..	59.40	58.17	25.7	29.5	94	81	NNE 1	NNE 1	10	10	14.5	.....	.....	....	....	....	....	....	....	....	....	......
5..	58.88	57.38	25.7	27.5	94	88	NNE 1	NE 1	10	10	32	.....	.....	....	....	....	....	....	....	....	....	......
6..	58.31	57.32	24.5	27.7	92	94	Calm	NE 1	10	10	21.1	.....	.....	....	....	....	....	....	....	....	....	......
7..	59.83	58.34	23.5	29	96	71	NE 1	NE 4	10	10	47.5	.....	.....	....	....	....	....	....	....	....	....	......
8..	59.46	57.66	23.5	27.9	96	77	NW 1	NE 1	10	10	13	.....	.....	....	....	....	....	....	....	....	....	......
9..	58.38	56.09	24	27	96	83	NE 1	NE 1	10	10	......	.....	.....	....	....	....	....	....	....	....	....	......
10..	56.84	55.68	25	25	89	88	SW 1	SW 2	10	10	25.7	.....	.....	....	....	....	....	....	....	....	....	......
11..	57.07	55.16	24	29.5	91	68	W 1	NE 1	10	10	3.6	.....	.....	....	....	....	....	....	....	....	....	......
12..	57.25	56.62	25.3	28	86	77	Calm	NE 2	10	10	3.6	.....	.....	....	....	....	....	....	....	....	....	......
13..	57.47	56.58	24.5	28.5	87	76	S 1	E 1	10	10	28	.....	.....	....	....	....	....	....	....	....	....	......
14..	57.25	55.26	25.5	25	86	83	WNW 2	WSW 1	10	10	97.5	.....	.....	....	....	....	....	....	....	....	....	......
15..	54.63	53.92	24	25.7	93	86	NW 3	NW 4	10	10	113.8	.....	.....	....	....	....	....	....	....	....	....	......
16..	55.73	54.61	25	24.7	85	86	NW 3	NW 3	10	10	156.5	.....	.....	....	....	....	....	....	....	....	....	......
17..	53.35	.....	22	....	91	....	NW 6	....	10	....	......	.....	.....	....	....	....	....	....	....	....	....	......
18..	.....	.....	....	....	....	....	....	....	....	....	......	.....	.....	....	....	....	....	....	....	....	....	......
19..	.....	.....	....	....	....	....	....	....	....	....	[a]204.5	.....	.....	....	....	....	....	....	....	....	....	[d]190
20..	59.09	56.98	24.5	29.3	87	74	Calm	N 1	10	10	......	61.94	60.66	24.7	26.7	90	88	NE 1	NE 1	10	10	1.3
21..	57.78	55.87	23	29	91	74	Calm	SW 1	10	10	36.1	61.94	.....	24.7	....	87	....	NE 1	....	10	10	8.1
22..	58.71	57.34	22	25.8	96	84	SE 1	NE 1	10	10	9.4	61.43	60.66	24.7	27.4	90	83	NE 2	NE 1	10	10	19
23..	59.71	58.84	24	27	90	78	NE 1	NE 1	10	10	......	61.04	60	24	28	93	83	NE 1	NE 1	10	10	9.4
24..	59.92	59.13	23.5	25	96	92	NE 1	NE 1	10	10	1	60.11	58.92	23.5	28	96	85	NE 1	NE 1	10	10	10.2
25..	59.88	58.74	24	29	93	71	NE 1	NE 1	10	10	4.1	59.10	58.44	23.5	28.9	96	77	Calm	NE 2	10	10	5.6
26..	59.69	58.03	24.7	27	90	83	NE 1	NE 1	10	10	52.1	60.08	59.02	24.5	27.5	92	81	NE 3	NE 2	10	10	5.1
27..	58.34	57.43	24	26.5	94	80	NE 1	NE 1	10	10	12.5	59.56	58.49	24.7	27.3	90	83	NE 1	NE 1	10	10	12.9
28..	60.08	59.13	25	28.5	90	76	NE 1	NE 1	10	10	2.3	60.04	58.89	23.5	28.1	96	77	NE 1	NE 1	10	10	18.3
29..	60.46	58.68	24.8	26.4	92	82	NE 1	NE 1	10	10	7.6	60.76	59.66	24.4	27.9	90	82	NE 2	NE 2	10	10	102.9
30..	59.52	58.29	26	26.7	84	81	NE 1	NE 1	10	10	101.3	61.16	61.22	23	22.5	91	89	NE 4	NE 5	10	10	27.9
31..	.....	.....	....	....	....	....	....	....	....	....	......	62.40	60.76	22	25.5	89	81	NE 3	NE 4	10	10	8.1
Mean	58.44	57.28	24.4	27.4	91.1	80.5	1.1	1.4	10	10	......	.....	.....	....	....	....	....	....	....	....	....	......
Total	.....	.....	....	....	....	....	....	....	....	....	[b]1,025.8	.....	.....	....	....	....	....	....	....	....	....	436.3

[a] Rain for the 17th, 18th and 19th.

[b] This total does not seem to be reliable: it is too excessive.

[c] Station temporarily closed from December 4 to 19.

[d] Total amount of rain from 2 p. m. of the 3rd to 6 a. m. of the 20th. The note for this amount was involuntarily omitted in the "Monthly Bulletin," page 263.

SUMAY, GUAM

[φ=13° 24′ N; λ=144° 38′ E; barometer above sea, 20.4 meters; gravity correction not applied, —1.76 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.65	60.08	24.8	28.6	97	83	E 1	E 3	8	6	......
2..	60.42	59.63	25	28.8	88	82	NE 2	ENE 3	6	4	......
3..	61.28	59.70	25	28	92	86	NE 2	NE 3	4	6	......
4..	61.70	60.45	24.8	28.4	88	80	NE 2	NE 3	4	6	......
5..	61.20	59.95	25	25.8	95	90	NE 2	NE 3	8	8	4.6
6..	62.18	61.20	24.6	26.4	93	89	NE 1	NE 4	6	8	3.8
7..	61.87	59.80	24	26.6	91	86	NE 2	NE 4	6	6	6.3
8..	61.08	58.98	24.8	28	92	76	NE 2	NE 3	10	4	......
9..	59.79	58.65	24.4	28.2	91	82	NE 1	NE 2	4	6	......
10..	59.65	58.15	24.4	28.4	93	80	NE 1	NE 2	10	6	......
11..	59.30	57.02	24	28	95	82	NE 1	ENE 3	8	6	......
12..	58.67	57.50	23.6	28.4	88	79	NE 1	NE 1	8	6	6.4
13..	59.52	58.55	24.4	28	93	88	NE 1	NE 2	6	4	7.6
14..	60.45	60.27?	24	28	91	88	NE 3	NE 3	10	4	......
15..	60.79	59.22	24.2	27.8	90	83	NE 2	NE 3	4	6	......
16..	60.70	59.30	24.4	28.4	95	85	NE 2	NE 2	6	6	......
17..	60.64	60.12	24.4	28.2	93	82	NF 2	NE 2	4	6	......
18..	60.87	60.27	24.6	27.4	90	84	NE 2	NE 5	6	6	......
19..	62.07	60.05	24.4	27.4	93	81	ENE 2	NE 2	8	6	......
20..	60.67	60.05	24.4	28.2	83	86	NE 1	NE 2	4	8	......
21..	61.30	60.07	23.6	28.2	93	82	NE 1	NE 3	8	4	......
22..	61.35	59.73	23.8	28	93	77	SE 1	E 1	6	4	......
23..	61.70	59.85	24.4	27	93	84	NE 1	NE 4	6	6	3.8
24..	61.27	59.28	24.4	28.2	91	76	NE 2	NE 5	6	4	......
25..	60.29	59.02	24.4	27.6	90	83	NE 2	NE 5	6	6	......
26..	60.39	59.75	24.6	28.6	90	76	NE 2	NE 3	6	2	......
27..	59.79	58.55	24	28.2	91	77	NE 1	NE 4	6	4	......
28..	60.32	58.85	23.6	26.4	95	92	NE 3	NE 2	10	6	5.1
29..	61.30	59.45	24.4	27.6	91	80	NE 5	NE 5	10	4	......
30..	60.85	59.33	24.4	28.8	88	82	NE 2	NE 3	8	6	......
31..	61.18	59.30	25.2	28.4	90	76	NE 3	E 3	4	2	2.5
Mean	60.78	59.42	24.4	27.9	91.5	82.5	1.8	3	6.6	5.4	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	40.1

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.22	60.15	24.8	26.4	90	95	E 2	NE 3	4	8	......
2..	61.75	60.55	24.4	27.8	91	82	NE 3	NE 4	2	6	......
3..	62.27	61.03	24.4	28.6	91	78	NE 2	NE 4	8	6	......
4..	62.75	61.68	25	28.4	87	75	NE 2	NE 3	10	6	......
5..	63.10	61.20	24	27.4	86	77	NE 2	NE 5	2	6	......
6..	63.78	63.13	23.4	26.4	95	84	NE 4	NE 6	10	10	5.1
7..	63.25	62.08	24.4	26.4	91	87	NE 5	NE 7	10	6	......
8..	63.18	60.88	23.4	29.6	95	59	NE 4	NE 4	6	4	......
9..	62.80	61.33	24.8	28.8	92	80	NE 2	NE 3	6	6	......
10..	.....	61.50	....	28.4	....	77	....	E 4	....	6	......
11..	63.25	61.70	24.4	29.4	91	78	ENE 2	E 4	8	6	......
12..	62.67	61	24.4	27.6	91	80	NE 2	NE 4	8	6	......
13..	61.65	60.90	25.2	28.4	93	88	NE 2	E 5	8	6	......
14..	62.50	61.38	24.4	27.4	91	84	NE 2	E 4	3	6	......
15..	62.35	61	25	29	87	81	ENE 2	NE 3	4	6	5.1
16..	61.75	59.95	24.4	28.6	91	82	NE 2	NE 3	3	6	......
17..	60.20	58.95	25.2	29	90	71	NE 3	E 3	4	6	......
18..	60.67	58.95	24.6	29.4	87	79	E 1	F 2	6	8	......
19..	60.60	59.38	24.6	29.4	92	76	ENE 1	E 2	8	6	......
20..	60.70	59.45	25	29	93	74	SE 2	E 3	8	6	......
21..	60.20	58.73	25	29.8	92	75	NE 3	E 4	4	6	......
22..	59.70	58.43	24.6	29.4	92	71	NE 2	E 3	8	6	......
23..	58.97	58.40	24.6	30	93	81	SE 3	F 2	10	6	......
24..	58.85	57.57	25	27.4	92	87	ENE 2	ENE 3	8	6	......
25..	58.17	57.23	25.2	30	93	77	E 2	E 2	8	6	......
26..	69.75	59.25	24	28.4	91	76	NE 1	NE 3	4	4	......
27..	50.79	59.69	23.6	25	95	92	NE 3	NE 6	10	10	3.8
28..	60.25	59.77	24.8	27.2	92	81	NE 3	NE 6	10	8	......
29..	.....	.....	.....	.....	.....	.....	....	....	....	....	......
30..	.....	.....	.....	.....	.....	.....	....	....	....	....	......
31..	.....	.....	.....	.....	.....	.....	....	....	....	....	......
Mean	61.37	60.19	24.5	28.3	91.3	79.5	2.4	3.8	6.7	6.4	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	14

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.80	59.07	25.2	27.4	90	84	NE 4	NE 5	4	6	......
2..	59.47	58.85	25.4	26.4	92	90	NF 3	NE 2	8	6	......
3..	60.77	59.57	24.4	28.2	93	79	NE 4	NE 4	10	6	5.1
4..	61.18	60.02	25.2	27.4	90	81	NE 4	NE 4	10	8	......
5..	60.50	59.70	25.4	29.6	85	79	NE 3	NE 3	8	6	......
6..	60.12	58.90	24	26.8	91	89	NE 2	NE 2	4	8	......
7..	59.87	59.07	24.4	27.6	85	81	NE 4	NE 5	8	6	5.1
8..	60.17	59.07	25	27.6	87	81	NE 4	NE 5	8	4	......
9..	59.92	59.57	25.4	27.4	82	84	NE 6	NE 7	6	6	......
10..	60.22	59.80	25.2	27.2	90	74	NE 6	NF 5	8	6	......
11..	60.32	59.57	24.4	27	85	84	NE 3	NE 4	4	10	......
12..	61.07	59.87	24.8	27.2	87	83	NE 3	NE 6	4	8	......
13..	60.49	59.45	23.8	28.8	90	83	NE 4	NE 3	6	8	......
14..	60.82	59.62	24.8	27	90	84	ENE 2	NE 3	8	6	......
15..	61.20	59.95	24.8	28.8	88	73	NE 2	E 3	8	4	......
16..	61.18	59.85	24.4	30.6	93	77	E 1	E 2	8	4	......
17..	61.18	60.35	25	28.4	93	85	E 1	ENE 3	10	8	......
18..	62.55	61.35	24.4	28.4	88	82	ENE 2	NE 4	4	6	11.4
19..	62.30	61.03	23.4	27.8	95	79	NE 2	NE 4	10	8	......
20..	62.22	60.98	24.8	28.4	87	70	NE 2	NE 4	4	2	......
21..	61.87	60.20	24.2	24.6	88	95	NE 2	NE 2	4	10	2.5
22..	61.72	60.42	24.4	27.8	91	79	NE 2	NE 3	4	6	......
23..	61.18	59.70	24.8	30	93	74	NE 2	NE 3	4	6	......
24..	61.12	59.30	25	29.4	90	67	NE 2	NE 4	4	6	......
25..	60.17	59.35	25.4	29.6	90	77	NE 3	NE 3	4	6	......
26..	60.70	59.33	25	29.2	87	70	NE 2	ENE 3	4	8	......
27..	59.59	58.93	24.4	29.6	91	77	NE 2	NE 3	8	6	......
28..	60.10	58.78	24.4	29.4	91	70	NE 3	NE 4	6	4	......
29..	60.27	58.73	24.4	30.2	91	74	NE 3	E 3	2	6	......
30..	59.52	58.60	23.6	29.8	95	69	NE 3	E 3	10	4	1.3
31..	59.60	58.85	24.4	29.2	95	82	E 2	ENE 4	4	4	......
Mean	60.68	59.61	24.7	28.3	89.8	79.2	2.8	3.6	6.3	6.2	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	25.4

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	60.67	59.93	25	28.6	90	75	NE 1	E 4	2	6	1.8
2..	60.27	59.50	24.4	30.4	93	73	E 3	E 4	8	6	......
3..	60	58.73	24.4	30.4	93	66	NE 1	E 3	6	8	......
4..	60.29	59.23	24.4	28.4	90	82	NE 2	NE 3	8	4	......
5..	61.43	60.65	25.4	29	92	81	NE 1	NF 3	2	8	......
6..	61.15	59.53	25	31.2	92	73	NE 2	NE 2	8	6	......
7..	60.20	58.90	24.8	29.4	92	86	NE 1	NE 3	1	6	......
8..	59.50	58.30	24.8	30.4	90	70	NE 3	E 4	6	4	......
9..	60.17	58.63	24.8	29.8	90	74	E 1	E 3	2	6	......
10..	60.30	59.07	24.8	27.6	90	86	NE 2	NE 4	8	8	......
11..	60	58.58	25	31	93	79	E 1	E 2	2	4	......
12..	59.30	57.95	25	31.8	92	72	NE 1	E 2	2	4	......
13..	59.20	57.95	25	30	92	82	NE 1	NE 3	2	6	......
14..	59.60	58.83	25	29.8	90	70	NE 1	E 3	2	6	......
15..	60	58.83	25.2	30	92	77	NE 1	E 3	4	6	1.3
16..	59.50	59.05	24.8	30	93	78	NE 2	NNE 2	4	4	......
17..	58.55	57.33	25	29.4	95	88	NE 1	NE 3	1	8	......
18..	59.30	58.60	23.8	31.4	95	79	E 1	NE 3	3	6	......
19..	59.60	59.35	24.4	29.4	95	89	NE 1	NNE 2	2	6	......
20..	60.60	59.53	25.2	30	93	81	NE 1	NE 2	4	6	......
21..	60.78	59.48	25.8	29.8	90	79	NE 2	NE 3	8	4	......
22..	60.70	59.53	26	30	87	81	NE 1	NF 2	2	6	......
23..	60.07	59.58	26.4	30.6	86	77	E 3	E 3	4	6	......
24..	60.75	59.50	26	31.2	92	68	NE 3	E 3	6	6	......
25..	61.28	60.13	26	31.8	87	69	NE 2	ENE 3	4	6	......
26..	60.78	59.25	25.8	30.4	90	80	ENE 1	NE 3	6	6	......
27..	60.50	58.80	25.4	31.6	92	71	NE 1	E 2	2	6	......
28..	59.67	59.18	25.2	31.6	90	75	NE 1	NE 2	4	4	......
29..	60	58.73	25.6	31.2	93	79	NE 1	ENE 3	4	6	......
30..	60.50	59.33	25.4	30.4	90	73	ESE 2	E 3	8	6	......
31..	.....	.....	.....	.....	.....	.....	....	....	....	....	......
Mean	60.16	59.07	25.1	30.2	91.3	77.1	1.5	2.8	4.2	5.8	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	3.1

SUMAY, GUAM

[φ=13° 24′ N; λ=144° 38′ E; barometer above sea, 20.4 meters; gravity correction not applied, —1.76 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.37	58.55	25.6	31.4	88	57	NE 1	E 3	2	6	5.1
2..	59.30	57.98	25.4	29.2	92	83	NE 2	ESE 4	4	8	7.6
3..	59.20	58.33	25.2	30.4	85	80	E 2	E 3	10	8	......
4..	59.40	59.25	25.4	27.4	92	84	NE 2	NE 4	2	6	......
5..	60.50	59.80	25.6	30.4	93	76	NE 1	NE 4	2	6	......
6..	60.25	58.83	25.4	30	92	80	NE 1	NE 4	2	8	......
7..	58.60	57.65	25.4	31.4	90	56	NE 2	NE 3	6	6	......
8..	59	58.33	25.8	30.2	81	69	NE 2	ENE 3	4	8	......
9..	59.67	58.80	25.2	30.6	88	63	NE 2	E 4	8	6	......
10..	58.97	57.88	25.8	31.2	85	68	NE 2	NE 3	2	6	......
11..	58.07	57.80	25.8	30	79	66	E 2	E 4	6	8	......
12..	58.55	58.18	25.4	30.6	88	68	SE 2	SE 2	6	6	......
13..	59.07	58.73	25.6	31.4	88	62	E 2	ENE 3	6	6	......
14..	58.95	57.73	26	31.4	84	67	E 1	E 4	6	6	......
15..	58.20	57.63	26.4	30	89	66	NE 1	E 3	4	6	......
16..	58.27	57.73	25.4	31.2	93	69	ENE 1	NE 2	8	6	......
17..	59.17	57.70	25.4	31.8	85	56	NE 1	E 3	4	6	......
18..	59.07	58.03	26	30	87	70	E 1	E 3	8	6	......
19..	59.88	59.13	26.4	31.4	89	67	E 1	E 5	8	6	......
20..	60.47	59.20	25.4	31.6	88	62	NE 2	E 4	2	6	......
21..	60.45	59.58	25.8	31.4	90	70	NE 1	E 4	2	8	......
22..	60.05	58.93	26	31.2	85	62	E 1	E 4	2	6	......
23..	59.47	59.03	25.8	31.4	88	68	NE 1	E 4	10	6	......
24..	59.87	58.28	25.8	31.6	88	59	NE 2	E 5	8	6	......
25..	59.95	58.83	25	31	92	69	Calm	E 3	4	6	......
26..	59.17	57.73	26.2	31.6	82	59	NE 3	E 4	6	8	10.2
27..	58.55	57.73	26.4	30.6	87	72	E 3	E 3	6	6	2.5
28..	58.57	58.10	25.8	31.6	92	62	E 2	E 4	4	5	......
29..	59.05	58.03	26.4	31.4	89	68	E 2	E 4	6	6	......
30..	59.05	57.10	26.4	30.8	86	60	E 2	E 4	3	6	......
31..	59.15	58.53	26.4	30.6	82	68	NE 2	ESE 4	6	6	......
Mean	59.30	58.36	25.8	30.8	87.6	67.3	1.6	3.6	5.1	6.4	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	25.4

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.45	58.18	26.2	30.2	90	68	E 2	E 4	8	8	......
2..	57.82	56.73	26.6	30.4	87	80	NE 3	E 4	2	6	......
3..	57.08	56.73	26.8	30.2	87	71	E 2	E 3	6	8	......
4..	58.07	57.48	25.8	32.2	87	68	E 2	E 4	6	6	......
5..	58.92	58.06	25.8	32.4	93	66	E 3	E 4	8	8	......
6..	59.02	58.80	25.8	28.6	90	83	E 5	NE 4	10	8	......
7..	59.35	58.73	26	31.8	92	66	NE 2	E 3	8	6	6.4
8..	59	58.70	25.4	30.8	92	64	SE 1	E 2	2	8	......
9..	58.93	58.70	26.4	29.4	89	70	E 2	SE 2	1	8	......
10..	59.07	58.80	25.8	30.8	90	69	E 2	SE 3	8	6	......
11..	59.73	59.48	26.2	31.6	90	66	E 2	E 3	6	6	3.8
12..	58.95	58.70	26.8	32.4	86	78	E 2	NE 3	4	6	......
13..	59.15	58.56	26.8	31	90	77	NE 1	NE 2	4	6	......
14..	58.15	57.90	25.8	31.4	92	70	NE 1	NE 2	4	6	......
15..	58.28	58.46	25.8	31.8	88	69	SE 1	NE 2	2	6	......
16..	58.48	57.48	25.4	31.4	87	66	SE 1	SW 2	6	4	......
17..	58.38	57.10	25	31.4	95	71	SW 1	SW 3	8	6	......
18..	57.58	56.70	25.4	31.4	92	66	SW 1	SW 3	6	6	......
19..	57.15	56.68	27.6	31.4	84	68	SW 1	SW 3	6	6	9.7
20..	57.43	57.03	26.6	32.2	89	69	S 1	SW 2	4	6	......
21..	58.65	58.91	25.4	32.8	92	68	SW 1	W 2	4	6	......
22..	59.63	58.93	27.4	28.8	78	82	SE 2	E 4	8	10	22.9
23..	58.73	58.18	27.4	30.8	89	78	E 2	E 4	8	8	5.6
24..	59.78	58.08	26	31	94	72	S 1	ESE 4	10	8	......
25..	59.95	58.53	26.8	29.6	84	72	ESE 2	E 3	1	6	......
26..	58.55?	58.38	27	31.4	81	66	E 2	E 3	4	8	......
27..	58.68	58.10	27	30.4	83	72	ENE 2	ENE 3	6	8	......
28..	56.77	55.95	24.6	28	95	85	E 6	ENE 5	10	10	52.8
29..	57	56.48	24.6	26	93	92	SE 1	SE 2	10	10	68.6
30..	57.20	57.65	24	26.4	97	86	SSE 1	SW 3	10	10	14
31..	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
Mean	58.50	57.94	26.1	30.6	89.2	72.6	1.9	3	6	7.1	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	183.8

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.10	60.19	25	23.4	95	93	E 1	SW 2	10	10	29.5
2..	61	59.73	26.6	29.6	90	77	NE 3	NE 5	8	6	3
3..	60.63	59.53	25.4	29	92	86	NE 2	NE 4	4	8	......
4..	58.95	58.48	24.8	26.2	95	92	SE 1	S 2	6	10	5.1
5..	58.85	58.60	24.4	30.2	93	81	SW 1	NNE 3	1	6	6.9
6..	59.68	59.20	24.8	30.8	93	77	NE 1	NE 3	1	6	......
7..	59.38	59.40	25.4	31.2	93	67	SE 1	ESE 3	2	6	2.5
8..	59.58	59.70	24.6	27.4	95	89	E 1	NE 3	2	8	7.1
9..	59.02	58.10	24.6	30.4	95	82	NE 1	NE 2	1	6	6.9
10..	58.88	57.43	26.4	30	87	75	N 2	SE 1	4	6	......
11..	58.40	57.73	25.2	28.4	90	82	NW 1	NNE 2	4	6	......
12..	57.93	57.63	25.4	28.4	90	85	NE 1	SE 2	4	6	......
13..	57.45	56.58	25.6	30	95	78	SW 1	SW 2	4	6	......
14..	56.93	57.58	26.4	26.4	90	84	SW 1	NE 3	4	10	13.2
15..	57	57.43	26.6	30.4	87	78	SW 2	W 2	8	6	......
16..	57.13	56.88	26.8	31.8	89	75	ENE 1	ESE 2	6	4	10.2
17..	58.08	57.53	25.6	30.2	97	84	NE 2	NE 3	8	8	......
18..	56.65	56.13	26.4	30.2	89	73	ENE 2	ESE 3	6	6	5.1
19..	56.75	56.33	26.4	30.4	90	72	E 2	SE 2	10	10	8.9
20..	56.98	56.58	26.8	30.4	83	78	E 3	E 3	6	6	2.5
21..	57.28	57.30	26.6	31	90	69	E 2	E 3	4	6	......
22..	56.98	56.10	26.6	29.8	87	70	E 2	E 4	4	6	10.2
23..	55.95	56.67	27.2	25	87	93	NE 2	SE 3	8	10	12.7
24..	57.08	57.37	27.2	27.4	87	91	SE 2	SE 2	4	10	26.6
25..	58.10	57.63	24	29.4	97	78	S 2	SE 2	10	6	9.4
26..	58.07	57.53	26.8	30.4	89	72	E 1	NE 2	4	2	2.5
27..	56.07	55.58	26.6	30.4	95	82	E 2	E 2	4	6	5.1
28..	55.62	55.55	26.4	29.4	86	79	SE 2	SE 4	8	8	6.4
29..	55.98	55.65	26.4	29.8	92	78	SE 3	E 3	8	10	11.9
30..	55.98	55.10	24.8	28.8	97	80	S 2	SE 3	10	8	6.3
31..	55.93	55.83	26.8	28.4	92	85	ESE 2	SE 2	8	10	6.4
Mean	57.79	57.45	25.9	29.2	91.2	80.2	1.7	2.6	5.5	7.2	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	198.4

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	56.10	55.83	27.6	29	86	79	ESE 4	SE 4	8	8	3.8
2..	57.57	57.63	25.4	30.8	92	76	SSE 2	SE 3	10	6	......
3..	57.82	57.05	25.6	26.2	92	95	SW 1	SSW 1	4	10	38.1
4..	57.80	56.70	24.6	24.6	95	98	SW 1	S 1	4	10	26.7
5..	56.98	55.85	26.4	28.4	94	89	NW 2	NW 2	10	10	110.5
6..	56.07	55.05	25.4	25.8	97	97	W 2	S 1	10	10	118.1
7..	54.92	53.30	24.8	27.2	97	87	S 2	SW 2	10	10	11.5
8..	54.07	54.17	26.3	25.4	90	92	SW 2	SW 2	10	10	34.3
9..	55.19	55.24	25.2	25.2	93	95	SSW 2	W 3	10	10	45.7
10..	55.95	55.85	26.8	26.6	89	90	SW 3	SW 3	6	10	6.3
11..	57.05	57.07	25.4	25.4	93	95	W 3	W 3	10	10	31.8
12..	57.98	57.95	27	30.4	92	85	W 3	NW 3	8	6	......
13..	57.83	57.55	27.8	30.8	89	84	N 3	NE 3	8	8	5.1
14..	58.37	56.43	26.4	29.4	94	84	NE 3	NW 3	6	6	3.8
15..	57.48	57.25	26.4	29.8	94	81	SE 2	SE 3	8	6	......
16..	58.93	58.48	25	29.4	95	84	SW 2	NE 2	4	8	14
17..	58.75	57.20	25.4	29.4	95	86	N 1	N 2	8	8	5.1
18..	57.58	57.05	25.4	25.4	92	92	NE 2	S 2	6	10	8.9
19..	58.08	57.15	24.6	29.8	93	81	NE 1	N 2	4	6	2.5
20..	55.78	53.57	27.8	26.8	83	94	NE 5	NE 6	10	10	41.9
21..	48.95	51.37	24.8	28.2	98	82	S 7	SSW 4	10	10	31.7
22..	55.47	55.95	26.4	28.6	86	79	S 6	S 5	10	8	6.3
23..	58.85	58.78	25.4	30.4	92	72	S 2	S 2	8	6	......
24..	59.62	58.43	24.4	29.4	93	84	S 1	NE 2	2	6	......
25..	57.55	56.17	27.2	26.6	86	87	NE 3	NE 4	10	10	69.8
26..	54.17	55.37	25.8	27.2	88	89	SE 5	SE 2	10	10	6.3
27..	57	56.83	24.8	29	92	81	S 1	SE 2	8	8	26.7
28..	58.10	57.98	24	28.4	93	85	S 1	SE 2	6	6	8.9
29..	59.57	58.75	24.4	27.4	95	92	ENE 1	NW 2	4	10	10.2
30..	59.07	57.78	23.8	30	97	82	NE 1	NNE 2	2	4	......
31..	58.02	56.68	25.4	28.6	93	....	NE 3	NE 3	8	8	......
Mean	56.99	56.47	25.7	28.1	92.2	86.6	2.5	2.6	7.5	8.3	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	...	668

SUMAY, GUAM

[φ=13° 24′ N; λ=144° 38′ E; barometer above sea, 20.4 meters; gravity correction not applied, −1.76 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	57.55	55.73	24.4	29.4	98	....	NE 1	NW 2	2	8	......
2..	57.35	56.85	23.8	27.4	95	91	W 2	S 2	2	8	......
3..	56.58	55.90	24.4	29.6	95	81	NE 1	SW 2	1	8	......
4..	56.98	56.65	24.6	26	93	92	SE 1	SW 2	4	10	43.2
5..	57.97	56.73	24.4	28.4	95	83	SW 2	SW 2	8	8	33
6..	57.22	55.85	24.4	29.8	95	85	SE 2	WSW 2	8	6	......
7..	55.12	54.85	25	29	97	88	NE 2	NE 2	6	6	6.9
8..	55.32	54.70	25.4	29.6	95	89	NE 2	E 3	8	8	36.8
9..	55.20	54.18	24.8	29.2	97	86	SE 2	SE 3	10	10	11.5
10..	54.82	54.65	25	27.6	95	92	SSE 2	SW 4	6	8	3.8
11..	56.88	56.43	26.4	29.2	92	89	SSW 2	S 3	10	10	39.4
12..	57.22	56.90	24.6	29	93	86	E 2	SE 2	10	8	1.3
13..	58.05	57.23	24.4	29.8	95	81	SE 1	SE 3	6	4	......
14..	57.93	57.18	24.2	30.2	95	87	ESE 1	NE 2	2	6	......
15..	56.65	55.73	26.2	31	94	87	NE 2	NNW 2	4	6	22.9
16..	56.95	56.68	25.4	26	95	92	NW 2	NW 2	10	10	63.5
17..	57.57	56.10	25.4	25.4	95	95	S 1	W 2	10	10	63.5
18..	59.27	58.05	25	28	95	91	SW 2	SW 3	10	10	9.4
19..	57.87	56.83	25.4	30.4	95	82	SW 2	W 2	6	6	......
20..	57.62	56.80	26.2	30.8	94	83	WSW 1	SW 1	4	4	......
21..	58.47	57.95	24.8	28.4	95	91	S 1	SW 1	4	4	8.9
22..	58.98	58.45	26.4	27.6	94	92	E 1	NE 2	4	6	16.5
23..	57.55	56.83	26.6	29.4	94	91	NE 2	NE 2	4	4	......
24..	57.55	56.73	26.4	29.6	94	88	NE 1	NE 2	2	4	7.6
25..	57.55	56.43	26.4	30	94	87	NF 2	NE 3	2	6	......
26..	57.05	56.73	24.8	29.6	95	92	N 1	NW 1	2	4	......
27..	57.08	56.23	24.6	30.6	97	87	E 1	N 1	2	4	2.5
28..	55.98	55.10	26.2	28.4	95	92	NE 2	E 3	8	8	7.6
29..	53.60	51.57	25.2	23.6	93	98	NE 3	SE 6	10	10	91.4
30..	55.12	55.20	24.4	27	95	95	S 3	S 3	10	10	21.6
31..	....	....	....	....	....	....	......	......	....	....	......
Mean	56.97	56.17	25.2	28.7	94.8	88.7	1.7	2.3	5.8	7.1	......
Total	....	....	....	....	....	....	......	......	....	....	491.3

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	56.30	55.22	24	28.2	97	88	SE 3	SE 3	10	8	17.8
2..	56.35	56.02	24.6	26.2	98	94	SE 2	SE 2	6	8	16.5
3..	57.57	56.93	24.4	28.8	95	89	S 2	S 2	6	10	11.4
4..	58.05	56.70	25	30.2	95	85	S 2	SE 2	8	6	......
5..	58.07	56.78	24.4	30.6	95	84	SE 2	SE 2	4	8	......
6..	58.03	56.31	24.8	31	97	84	E 1	ESE 2	2	6	......
7..	58.90	57.45	26.6	27.8	92	89	E 2	N 2	4	6	12.7
8..	58.05	57	26.4	31	94	79	NE 3	E 3	8	6	2.5
9..	57.98	56.70	26.4	30.2	94	84	NE 3	E 3	8	6	3.8
10..	57.98	56.75	26.2	29.8	94	79	NE 3	NE 3	6	6	......
11..	57.58	57.10	26.6	30	90	88	NE 2	NE 2	6	6	3.8
12..	58.75	58.18	26.2	28.4	92	89	NE 2	NE 2	6	6	11.4
13..	59.07	57.35	26.4	26.4	94	92	NE 2	NE 2	6	8	7.1
14..	57.17	55.73	26.2	29	94	88	NE 2	NE 3	6	6	17.7
15..	56.42	54.85	25.4	30	97	88	NE 3	NE 3	10	8	3.8
16..	53.88	52.52	27.6	26.4	94	95	NE 5	NE 5	10	10	13.9
17..	49.97	47.79	26.6	25.4	94	97	NNW 6	W 7	10	10	26.7
18..	50.40	50.75	27.2	29.4	87	78	SW 6	SW 4	10	10	......
19..	53.47	53.65	27.4	29.2	92	85	SW 4	SW 3	6	8	......
20..	55.83	55.80	27	30	90	85	SW 3	SW 3	6	8	......
21..	57.97	56.83	24.4	30	97	85	S 2	SSW 2	4	6	......
22..	58.95	58.75	24.8	29.6	97	88	N 1	NW 2	2	6	......
23..	60.20	59.23	26.2	29.2	94	91	NE 3	NE 3	6	6	......
24..	59.40	58.33	27	29.8	90	82	NE 3	NE 4	4	6	8.9
25..	59.70	58.18	26	31	94	80	NE 2	NE 3	8	6	......
26..	59.63	58.83	26.6	29	92	89	NE 2	NE 3	6	6	......
27..	59.48	58.13	26.4	30	95	85	NE 1	NE 3	4	6	3.8
28..	59.40	58.20	27	29.6	89	82	NE 2	E 3	6	6	2.5
29..	59.12	57.78	26.4	30	94	87	ENE 3	ENE 3	4	6	......
30..	59.55	57.83	26	29.2	92	81	NE 1	ENE 4	4	6	......
31..	58.95	57.88	26	28	90	83	NE 2	NE 4	4	6	......
Mean	57.49	56.44	26	29.1	93.5	86.2	2.6	3	6.1	7	......
Total	....	....	....	....	....	....	......	......	....	....	164.3

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.15	57.80	26	29.4	87	79	E 1	ENE 5	2	6	7.6
2..	59.35	57.80	26.2	30	94	80	NE 2	NE 3	4	6	7.6
3..	60.07	57.78	25.6	30	95	74	NE 2	E 4	8	6	7.6
4..	59.62	58.25	25.6	29.4	93	84	ENE 3	E 3	8	8	......
5..	58.47	56.80	26.4	30	92	80	ENE 2	E 3	6	6	......
6..	58.10	56.83	25.8	29.4	88	76	NE 2	E 3	4	6	......
7..	58.07	57.65	26.4	28.6	92	82	NE 3	NE 5	8	6	6.4
8..	58.67	57.50	26	28	92	89	NE 3	NE 3	6	8	12.7
9..	58.15	56.95	25.4	28.4	95	85	NF 3	NE 4	8	6	35.5
10..	57.47	56.48	25.4	28	95	88	E 2	E 2	10	6	5.1
11..	57.05	55.95	26	28.2	95	86	E 1	E 2	2	8	......
12..	57.57	56.73	25	29.6	93	84	E 1	E 4	2	6	19
13..	58.07	57.73	25.4	28.8	93	89	E 1	E 2	2	6	5.1
14..	58.77	57.63	24.6	30.2	95	84	E 1	E 2	2	6	22.9
15..	57.95	57.43	26	30	94	82	SE 2	E 2	2	8	......
16..	57.38	56.83	25.8	29.6	93	79	ENE 2	E 3	2	8	......
17..	57.75	56.83	26.4	28.2	92	80	E 2	E 4	2	8	......
18..	57.57	56.65	26.4	28.8	94	85	NE 3	NE 4	6	6	3.8
19..	55.45	53	27.4	25.4	87	98	NE 6	NE 7	10	10	48.2
20..	53.60	54.25	25.4	30	92	81	S 3	S 4	8	8	......
21..	57.57	56.80	26	30	95	87	SE 2	SE 3	4	6	......
22..	57.97	56.23	26.4	29	92	88	NE 3	NE 3	6	6	......
23..	58.17	57.23	23.4	28.6	93	92	SE 2	S 1	4	6	......
24..	58.25	57.03	25.8	29.6	88	84	NE 3	SE 2	8	6	......
25..	58.98	57.98	25.4	30	93	82	SE 1	ENE 3	2	6	......
26..	59.57	56.95	26.2	27.4?	90	94?	NE 3	NE 4	2	8	......
27..	58.07	58.47	26.2	25.6	94	95	NE 1	NE 2	2	10	17.8
28..	58.08	57.28	26.2	28	94	88	NE 3	NE 3	4	8	......
29..	59.07	57.75	26.4	29	92	81	NE 2	NE 3	2	6	......
30..	59.10	58.45	26	29.4	90	81	NE 2	E 3	6	8	2.5
31..	....	....	....	....	....	....	......	......	....	....	......
Mean	58.10	57.03	25.8	28.9	92.4	84.6	2.2	3.2	4.7	6.9	......
Total	....	....	....	....	....	....	......	......	....	....	201.8

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	58.27	57.83	26.4	29.4	92	81	NE 3	E 4	4	6	2.5
2..	58.47	58.27	26	25.2	92	97	NE 4	E 4	8	9	7.6
3..	59.57	58.35	26	28.4	94	85	E 3	ENE 4	4	6	2.5
4..	59.07	58.58	26.2	28	89	80	E 4	E 4	4	8	......
5..	59.15	57.83	25.8	28.4	81	88	E 3	NE 4	0	8	......
6..	59.10	57.38	25.8	29.6	92	81	E 3	E 3	2	8	......
7..	59.50	58.28	24.6	27.6	95	91	Calm	E 3	6	6	......
8..	59.07	57.83	24	29.4	95	72	E 2	E 3	8	6	......
9..	58.25	57.40	25.8	28.6	88	82	NE 3	NE 4	8	6	......
10..	58.20	57.60	25.2	27.2	93	87	NE 4	E 3	10	8	7.6
11..	58.57	57.27	24	27	95	72	NE 3	NE 4	8	6	......
12..	58.17	57.05	25	27.4	93	86	E 3	ENE 3	10	10	3.8
13..	57.17	55.85	25.2	28.2	93	82	E 3	NE 6	10	8	2.5
14..	55.60	54.85	26	28.8	92	86	N 3	N 3	6	6	......
15..	55.37	55.83	26.4	29.2	92	86	N 3	N 3	10	6	......
16..	57.85	56.85	24	30	97	84	N 2	N 2	10	6	......
17..	59.10	57.95	26	29.8	92	84	NE 3	NE 3	6	4	......
18..	59.27	58.07	26.8	28.6	89	82	NE 3	NE 3	4	4	......
19..	59.50	58.98	26.4	28	86	82	NE 3	NE 5	4	6	......
20..	60.22	60.27	26.4	27.4	92	80	NE 5	NE 5	4	6	......
21..	61.05	60.02	25.6	27.6	88	86	NE 4	NE 5	6	6	38.1
22..	60.20	59.27	24.4	27	98	89	NE 5	NE 5	10	6	15.2
23..	60.02	59.87	27	26.4	86	92	NE 3	NE 3	8	9	34.3
24..	61.15	59.80	24.6	28	95	83	NE 3	NE 4	6	4	2.5
25..	59.60	58.95	25	28	93	88	NE 3	E 2	4	6	......
26..	60.47	59.75	24.6	29.4	93	82	E 2	SE 1	4	6	......
27..	60.14	58.40	25.4	28.6	95	85	ENE 2	E 2	6	6	......
28..	59.30	58.30	25.8	28.6	93	79	E 2	E 3	4	6	......
29..	58.60	58.03	24.6	28.8	95	78	NE 2	E 2	6	4	......
30..	59.22	57.98	24.8	27.8	93	86	E 2	NE 4	6	6	......
31..	59.47	59.80	25.8	27.4	93	86	NE 5	NE 5	10	8	......
Mean	58.99	58.14	25.5	28.2	92.1	83.9	3	3.5	6.3	6.5	......
Total	....	....	....	....	....	....	......	......	....	....	116.6

CALAPAN[a]

[φ=13° 25′ N; λ=121° 11′ E; barometer above sea, 5.05 meters; gravity correction not applied, —1.76 mm.]

Day.	JANUARY.[b]											FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	....	....	....	....	....	....	....	....	....	....	....	62.51	61.19	22.5	28.5	87	65	Calm	E 2	6	3	....
2..	....	....	....	....	....	....	....	....	....	....	....	63.28	62.26	22.5	28.5	96	64	Calm	NE 2	4	3	....
3..	....	....	....	....	....	....	....	....	....	....	....	64.49	62.59	22	28.6	96	54	Calm	E 2	6	3	....
4..	....	....	....	....	....	....	....	....	....	....	....	65.58	63.59	19.5	29	95	51	Calm	NE 1	6	3	8.9
5..	....	....	....	....	....	....	....	....	....	....	....	65.89	64.04	22	27	89	73	Calm	NE 2	10	7	8.9
6..	....	....	....	....	....	....	....	....	....	....	....	66.35	64.18	23.8	25.5	85	80	NE 1	NE 3	10	10	2.8
7..	....	....	....	....	....	....	....	....	....	....	....	65.23	63.57	24.4	28.5	84	68	NE 2	NE 2	10	8	.8
8..	....	....	....	....	....	....	....	....	....	....	....	64.52	62.49	22.8	28.9	96	61	Calm	NE 1	10	6	....
9..	....	....	....	....	....	....	....	....	....	....	....	64.26	62.86	24.2	28.5	90	64	NE 1	NE 1	8	3	....
10..	....	....	....	....	....	....	....	....	....	....	....	63.76	61.86	24.5	29	78	61	NE 1	NE 2	8	3	.5
11..	....	....	....	....	....	....	....	....	....	....	....	64.82	61.99	22.5	29	91	58	Calm	E 2	10	3	....
12..	....	....	....	....	....	....	....	....	....	....	[c] 13.2	63.68	61.24	23.3	27.2	89	73	NE 1	E 1	10	10	....
13..	61.15	60.01	20	29.7	95	57	Calm	E 1	8	3	....	62.66	61.15	23.5	29	96	60	Calm	NE 2	4	4	....
14..	62.46	62	20.5	27.5	87	66	Calm	E 1	8	10	....	62.55	61.56	23.5	29	96	61	Calm	E 2	7	3	....
15..	63.22	61.72	22	28.5	96	57	Calm	E 1	10	2	....	63.55	61.76	23.5	29.5	91	61	Calm	E 2	9	3	....
16..	62.68	61.86	24	30	92	63	Calm	E 1	10	4	....	62.76	61.26	23.5	29.5	96	61	Calm	E 1	8	3	1
17..	63.76	63.26	24	28.9	88	62	Calm	E 1	10	4	....	61.32	59.83	22.8	29	93	65	Calm	E 1	8	4	....
18..	64.72	63.79	21.6	30.2	86	49	Calm	E 1	6	3	....	60.46	59.05	23.1	28.1	95	66	Calm	ENE 2	10	3	....
19..	65.07	63.33	22	30	84	53	Calm	NE 1	9	3	7.6	61.70	59.56	24.2	30	90	62	Calm	E 2	10	3	17
20..	63.99	62.29	22	29.5	93	58	Calm	NE 1	10	6	....	61.49	59.01	23	28	87	71	Calm	ENE 2	6	3	....
21..	64.52	62.88	24	28.5	74	60	NE 1	NE 2	7	4	....	61.41	58.99	23.5	29.7	87	64	Calm	E 2	7	5	....
22..	64.37	62.99	22.5	28	91	56	Calm	E 2	10	9	....	60.01	58.28	23	28.5	91	69	Calm	E 2	7	3	....
23..	63.96	61.96	22.5	28	91	56	Calm	E 2	8	3	....	59.90	58.79	22.5	30.3	85	65	Calm	E 2	10	3	....
24..	62.97	61.33	22.5	28.8	87	65	Calm	E 2	10	4	....	60.37	58.99	23	30.5	91	56	Calm	E 2	9	3	....
25..	62.26	60.83	23	28.6	96	66	Calm	E 1	10	3	1.8	61.06	59.76	22.5	30.5	96	52	Calm	NE 2	9	8	1
26..	62.70	61.89	25	28.5	81	60	E 1	E 2	8	3	....	61.76	61.62	24.4	27.8	76	63	NE 2	E 2	10	10	1
27..	63.31	61.89	23.5	29	71	54	Calm	E 2	10	10	.5	62.26	61.26	24.8	28.5	77	70	NE 2	NE 2	10	4	....
28..	62.87	60.76	22.5	32.4	96	50	Calm	E 1	9	3	3.3	62.26	60.26	24.5	29	83	58	Calm	E 2	10	3	....
29..	62.67	61.36	23.5	30.5	85	47	Calm	E 3	10	3	....	....	....	....	....	....	....	....	....	....	....	....
30..	62.75	61.41	20.5	28	81	55	Calm	NE 2	4	4	....	....	....	....	....	....	....	....	....	....	....	....
31..	62.36	60.69	20	28	86	66	Calm	NE 2	6	4	....	....	....	....	....	....	....	....	....	....	....	....
Mean	63.25	61.91	22.4	29.1	87.4	57.9	0.1	1.5	8.6	4.5	....	62.85	61.18	23.2	28.8	89.5	63.4	0.4	1.8	8.3	4.5	....
Total	....	....	....	....	....	....	....	....	....	....	26.4	....	....	....	....	....	....	....	....	....	....	41.9

Day.	MARCH.											APRIL.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.20	60.16	24.5	30.5	79	44	NE 1	NE 1	10	7	....	59.91	58.66	22.5	28.5	92	79	Calm	E 2	9	8	....
2..	60.85	60.33	23	30.5	91	53	Calm	NE 1	9	8	....	60.28	59.72	23.1	30.3	94	73	Calm	NE 3	10	8	....
3..	62.15	61.15	24.5	30.2	90	52	NE 1	E 2	8	3	....	60.76	58.16	24	30.5	96	59	Calm	E 2	10	8	....
4..	62.66	61.66	25	30	80	47	NE 1	NE 2	8	3	....	59.77	58.56	25	28.5	87	68	Calm	ESE 2	10	10	....
5..	62.76	61.33	24	30	75	59	NE 1	NE 1	8	3	....	60.61	58.82	24.5	31.5	85	59	Calm	E 2	10	4	....
6..	62.71	61.09	23	29.5	81	54	Calm	NE 2	8	7	0.5	60.58	59.52	22.5	30.6	89	63	Calm	NE 2	8	8	....
7..	61.87	60.95	25	29.5	83	64	Calm	E 2	10	3	....	60.70	58.54	25	32.2	96	53	Calm	Calm	10	4	....
8..	62.16	60.40	25	30.5	77	42	NE 1	NE 1	8	4	....	59.61	57.68	24.5	32.2	92	74	Calm	NE 2	8	6	....
9..	62.12	60.26	25	28.4	88	68	NE 1	NE 2	10	10	4.8	58.77	57.22	26.8	31.2	86	60	Calm	NE 2	10	9	0.5
10..	62.35	61.46	25	29.5	88	66	NE 1	NE 1	10	4	....	57.94	57.03	26	31.9	96	64	Calm	E 2	9	8	.8
11..	62.58	60.71	22.3	30.5	90	56	Calm	NE 2	8	5	....	58.76	56.90	24.8	31.5	85	68	Calm	E 2	10	10	.5
12..	62.71	60.50	24	31	90	48	Calm	NE 3	8	3	....	58.23	57.04	26	31	92	62	Calm	NE 2	10	4	....
13..	62.44	60.79	25	32	88	48	Calm	E 2	10	3	....	58.76	57.14	26	31	80	62	E 1	NE 1	8	3	1
14..	61.67	60.70	23.6	30.5	90	54	Calm	E 2	10	4	....	59.14	58.21	23.5	32	85	57	Calm	E 2	4	8	....
15..	62.26	60.64	23	32.1	96	46	Calm	E 2	10	3	....	59.16	58.38	25	32.8	96	56	Calm	E 2	8	8	....
16..	62.51	61.01	22.3	31.5	88	46	Calm	NE 2	7	3	....	59.38	58.48	25	32.5	84	52	Calm	E 2	7	3	....
17..	61.86	61.69?	25	27.9	83	74	NE 1	E 2	10	10	2.3	59.71	58.18	24.7	31	87	62	Calm	ESE 2	8	10	....
18..	62.64	61.20	24.5	30.5	87	56	Calm	NE 2	10	3	....	59.03	58.04	25	31.5	94	60	Calm	E 2	8	7	2.3
19..	62.54	61.37	25	31	88	56	NE 1	NE 2	10	10	....	60.01	59.50	25	32.7	96	49	Calm	NE 2	8	3	....
20..	62.51	60.76	25	31.5	96	64	Calm	E 2	10	8	23.1	61.09	59.64	27.5	31.7	81	56	NE 2	NE 2	8	3	....
21..	61.36	60.24	23.5	30.1	91	61	Calm	E 3	8	4	....	61.91	58.86	27	30.5	80	59	NE 1	NE 2	8	7	....
22..	61.14	59.40	23.6	30.2	95	58	Calm	E 3	8	3	....	60.46	58.68	25	33.2	94	50	Calm	E 2	8	6	13.2
23..	61.39	59.56	22.5	29	78	64	Calm	NE 1	6	7	....	60.21	58.83	24.5	33.1	96	54	Calm	E 2	10	4	1
24..	60.53	58.76	22	31.5	84	65	Calm	E 2	7	8	....	60.46	59.09	24.5	33.5	89	45	Calm	E 1	10	4	....
25..	60.62	59.14	23.5	31.5	91	48	Calm	NNE 2	8	3	....	60.61	58.94	26.5	33.2	92	54	NE 1	E 2	9	4	8.9
26..	61.67	60.13	26	30.5	76	54	NE 1	NE 2	8	3	....	60.12	58.14	25	32	96	59	Calm	E 2	8	9	....
27..	60.81	59.64	26	30.6	79	52	NE 1	NE 2	8	3	....	59.68	56.99	24.5	32	87	66	Calm	E 2	10	6	....
28..	60.94	58.98	25.4	32.3	88	51	Calm	E 2	9	8	.5	59.03	57.64	25	33	92	53	Calm	E 2	8	4	3.8
29..	60.65	59.32	26.2	31.5	84	48	Calm	NE 2	10	4	....	58.96	58.32	25	33.2	88	60	Calm	E 1	9	4	11.4
30..	60.14	58.65	25	31	83	54	Calm	ENE 2	8	6	33.5	58.83	57.98	25	32.5	88	48	Calm	E 2	8	4	2.5
31..	59.19	57.46	23.9	28.5	95	70	Calm	E 1	10	10	10.7	....	....	....	....	....	....	....	....	....	....	....
Mean	61.71	60.30	24.2	30.4	86.2	55.5	0.4	1.9	8.8	5.3	....	59.75	58.30	24.9	21.7	89.8	59.5	0.2	1.9	8.7	6.1	....
Total	....	....	....	....	....	....	....	....	....	....	75.4	....	....	....	....	....	....	....	....	....	....	45.9

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[a] The barometric readings of this station do not seem to be reliable; besides, they are too high by about 0.50 mm.

[b] Station temporarily closed from 1st to 12th.

[c] Total amount of rain from 1st to 12th.

CALAPAN

[ϕ=13° 25′ N; λ=121° 11′ E; barometer above sea, 5.05 meters; gravity correction not applied, −1.76 mm.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a.m.
	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.06	58.04	24.5	32	92	52	Calm	E 2	8	3	......
2..	59.28	57.92	24	32.7	83	60	Calm	E 2	10	3	......
3..	58.97	58.12	27	33.3	99	51	Calm	E 2	9	7	0.8
4..	59.81?	58.72	26	34.2	92	58	Calm	NE 2	8	4	......
5..	60.07	59.48	26.5	34	88	62	NE 1	E 2	8	4	.8
6..	60.31	58.92	25.5	34	92	59	Calm	E 1	6	3	......
7..	59.95	57.92	26	33.4	95	63	Calm	ENE 2	10	6	......
8..	58.79	58.01	28	33.5	89	64	E 1	E 3	10	6	......
9..	59.51	57.94	26.5	32.6	83	63	Calm	E 3	10	3	16
10..	59.46	57.04	24.5	32.5	94	65	Calm	E 2	10	10	4.6
11..	58.68	57.04	24.5	31.3	92	67	Calm	NE 2	8	7	......
12..	58.66	56.54	25	32	96	74	Calm	NE 2	8	8	......
13..	58.16	57.04	24	32.5	91	63	Calm	NE 2	9	8	......
14..	58.25	56.56	24	32	96	76	Calm	NE 2	10	8	......
15..	57.32	56.65	25	32	92	76	Calm	E 1	8	9	......
16..	57.02	56.35	25	32.5	96	73	Calm	NW 1	9	10	......
17..	56.96	55.82	25	32.5	96	77	NE 1	NW 1	8	8	......
18..	57.17	56.04	24.3	28	96	85	Calm	S 2	10	10	2
19..	57.58	55.94	24.5	31.5	92	79	Calm	E 3	10	10	5.1
20..	58.66	56.60	24.5	31.5	96	78	Calm	NE 1	10	7	5.6
21..	59.16	57.60	24.7	31	98	79	Calm	NE 1	10	8	......
22..	58.66	57.06	25	33.5	96	73	Calm	NE 2	10	6	.5
23..	58.73	56.96	26	33.2	96	74	Calm	NE 1	10	4	......
24..	58.56	56.96	25	33.4	95	74	Calm	NE 2	10	7	......
25..	58.46	57.12	25	32.7	94	46	Calm	NW 2	9	9	......
26..	58.22	55.83	25	33.5	96	72	Calm	NW 2	10	10	......
27..	57.09	55.62	25	32.5	96	78	Calm	NW 2	8	10	......
28..	56.66	54.99	25	31.6	96	78	Calm	ESE 2	10	10	.3
29..	56.57	56.14	24	32	96	76	Calm	NE 1	10	10	......
30..	57.16	57.60?	24.6	31.5	93	68	Calm	NE 2	10	10	4.1
31..	58.16	57.79	25	31.5	96	72	Calm	E 2	10	10	9.9
Mean	58.42	57.11	25.1	32.4	93.6	68.9	0.1	1.8	9.2	7.4	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	49.7

JUNE.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a.m.
	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.66	57.11	25	33	98	70	Calm	E 1	10	4	20.6
2..	58.16	56.83	24.5	31.6	96	77	Calm	NE 1	8	10	4.6
3..	57.78	56.04	25	32.5	92	60	Calm	NE 1	9	8	......
4..	57.24	56.38	24.5	32.5	96	69	Calm	NE 1	8	4	......
5..	57.66?	56.42	25	32.7	96	75	Calm	NE 1	8	8	......
6..	59.54	57.09	25	32.3	92	71	Calm	NE 1	10	8	18.3
7..	59.56	57.04	25.2	31.5	94	75	Calm	E 1	10	10	31.2
8..	58.76	57.53	24.5	30	96	84	Calm	NE 1	10	10	13.2
9..	56.36	54.32	24.5	25.6	96	93	NW 1	Calm	10	10	106.5
10..	53.60	53.84	24	25	96	96	Calm	SE 1	10	10	39.6
11..	55.28	54.27	23.5	27	98	88	Calm	Calm	10	10	8.1
12..	55.28	54.37	24.5	29	96	81	Calm	SW 1	10	10	......
13..	56.54	55.66	24.3	30.5	97	73	Calm	E 2	8	9	......
14..	56.91	55.54	25.5	32.7	96	65	Calm	E 1	9	7	......
15..	56.93	56.10	26	31.5	92	72	Calm	NE 1	9	8	......
16..	57.49	57.36	24.5	30.7	94	77	Calm	NW 2	4	8	......
17..	58.18	57.42	23.5	31.5	92	72	Calm	NW 2	3	8	......
18..	57.76	56.91	24.5	29	96	78	Calm	NW 3	8	10	3.8
19..	57.38	56.28	23	29.2	97	80	Calm	NW 2	8	10	......
20..	57.28	56.91	24.3	29.8	96	75	Calm	Calm	10	10	......
21..	57.98	57.54	24	31.7	94	68	Calm	NE 1	4	8	......
22..	58.86	57.57	25	32	96	69	Calm	NE 1	4	10	......
23..	58.22	57.44	24	32	96	74	Calm	NW 3	10	8	......
24..	58.38	56.74	24.2	31	86	79	Calm	NW 4	10	8	......
25..	57.64	55.66	24	29.3	96	88	Calm	NW 4	10	10	......
26..	55.63	54.79	25	29.5	96	79	NW 1	NW 2	10	10	8.9
27..	55.96	55.14	24.5	32.5	96	79	Calm	NE 1	10	8	......
28..	58.22	57.74	24	30.4	96	72	Calm	NE 1	4	9	......
29..	59.67	57.54	24	29.5	91	76	Calm	NW 2	3	9	20.1
30..	57.53	56.06	25	30.6	96	81	NW 2	NW 2	8	10	1
31..	.....	.....	.....	.....	....	....	....	....	....	....	......
Mean	57.51	56.32	24.5	30.5	95	76.5	0.1	1.5	8.2	8.7	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	275.9

JULY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a.m.
	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	54.81	53.54	27.5	29	84	92?	NW 3	W 4	10	10	2.3
2..	54.98	55.50	23.5	23.5	91	93	Calm	SW 1	10	10	18
3..	57.80?	59.12	23.5	24.7	96	94	Calm	NW 1	10	10	25.9
4..	59.84	59.26	23	29.2	94	77	Calm	Calm	10	10	......
5..	60.38	58.46	23	30	87	68	Calm	NW 2	10	10	......
6..	59.57	58.55	24	32	94	57	Calm	NE 1	9	10	......
7..	60.16	59.85	23.6	24	91	96	Calm	Calm	10	10	33.3
8..	60.51	59.64	23	31.5	96	58	Calm	NE 1	10	4	.8
9..	60.02	57.74	24.5	33	92	61	Calm	E 1	7	4	......
10..	58.38?	57.29	24.5	32	92	63	Calm	NW 1	4	4	......
11..	58.39	57.65	24	30.5	87	68	Calm	NW 1	4	9	......
12..	59.50	57.93	23	33	91	57	Calm	NE 1	8	4	......
13..	59.28	57.54	25	32.5	92	60	Calm	NE 1	10	4	......
14..	59.23	57.95	24	32	87	66	Calm	NE 1	6	3	......
15..	58.18	56.87	23.5	31	85	67	Calm	NW 2	8	8	......
16..	58.04	56.58	23.5	32.5	88	63	Calm	NW 2	8	8	......
17..	57.98	57.22	24	32.5	96	66	Calm	NW 1	10	8	......
18..	58.09	56.64	23.8	32.5	89	60	Calm	NE 1	10	7	......
19..	57.78	56.54	23.6	32.6	90	60	Calm	E 1	10	10	7.6
20..	57.28	56.81	24	28	97	82	Calm	Calm	10	10	76.9
21..	57	55.66	24	31.5	97	63	Calm	NE 1	10	10	25.6
22..	56.78	55.70	24	29.7	93	72	Calm	E 1	10	10	26.4
23..	56.35	55.89	24	28.4	96	77	Calm	Calm	10	10	.5
24..	55.57	54.52	24.5	25.6	96	92	Calm	Calm	10	10	26.2
25..	55.98	55.40	24	29.5	97	71	Calm	W 1	10	10	6.1
26..	56.16	53.92	25	29.7	98	77	Calm	Calm	10	10	1.3
27..	53.06	52.73	26.5	26	90	90	W 1	NW 1	10	10	22
28..	53.68	53.83	25	26.6	96	91	WNW 2	Calm	10	10	12.2
29..	53.60	52.89	25.2	25.5	92	96	Calm	Calm	10	10	20.9
30..	53.30	52.01	24.4	31	97	72	Calm	Calm	10	10	1
31..	53.18	52.36	25.1	30.8	87	71	W 1	NW 1	10	10	......
Mean	57.25	56.29	24.2	29.7	92.2	73.5	0.2	0.9	9.2	8.5	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	307

AUGUST.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a.m.
	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	53.56	53.59	27	30	77	71	Calm	E 1	10	10	......
2..	54.96	54.29	25	32.7	93	68	Calm	NE 1	10	10	......
3..	54.65	54.19	25	31	96	72	Calm	NW 1	10	10	......
4..	55.11	54.06	24	29.4	91	75	Calm	NW 2	10	10	0.5
5..	55.18	54.94	24.5	29.5	92	68	Calm	E 1	10	10	35.1
6..	55.28	54.08	25	25.5	96	93	Calm	NW 2	10	10	58.9
7..	52.90	51.93	24.5	26	88	92	Calm	NW 1	10	10	50.8
8..	52.70	51.86	24.5	27	96	90	Calm	Calm	10	10	24.7
9..	53	52.88	24.4	26	97	92	Calm	Calm	10	10	38.6
10..	53.80	53.81	24.5	26.5	96	90	Calm	Calm	10	10	19.1
11..	53.10	52.12	25	26.5	92	90	Calm	Calm	10	10	38.6
12..	52.50	52.68	24.5	25.3	96	95	Calm	Calm	10	10	24.1
13..	53.80	54.25	24.4	27.5	94	84	Calm	Calm	10	10	37.1
14..	56.28	56.01	24	27	97	88	Calm	Calm	10	10	6.4
15..	56.37	55.70	24.5	29.5	93	64	Calm	NW 2	10	10	3.6
16..	57.16	57.01	25	31.6	92	67	Calm	NE 1	10	10	......
17..	58.28	57.36	24.5	30.6	93	71	Calm	NW 4	7	8	......
18..	58.28	56.66	23.4	30.5	92	70	Calm	NW 3	8	7	......
19..	57.31	56.44	24	30	95	71	Calm	NW 4	10	10	......
20..	54.46	52.06	26	27.7	87	72	NW 4	NW 3	10	10	10.7
21..	55.98	56.01	24	29	95	71	Calm	Calm	10	10	7.1
22..	58.10	57.39	22.9	29.5	97	71	Calm	Calm	8	10	......
23..	57.90	56.25	23.5	30.8	97	64	Calm	WNW 4	9	10	......
24..	56.38	54.59	24.1	30	92	72	Calm	WNW 4	10	10	5.1
25..	55.43	54.47	24.5	25.5	96	93	Calm	Calm	10	10	43.9
26..	56.18	57.66	24	25.5	94	92	Calm	Calm	10	10	22.1
27..	58.30	57.89	22.5	25.5	99	88	Calm	NW 1	10	10	.8
28..	57.60	56.83	22.2	26.8	98	86	Calm	NW 4	10	10	2.5
29..	56.44	55.06	26.5	27.8	87	83	NW 2	NW 4	10	10	.5
30..	55.64	54.31	26	28.5	76	67	NW 2	WNW 3	10	10	15.3
31..	55.28	55.16	24	28	87	77	SW 1	NW 1	10	10	8.3
Mean	55.55	54.89	24.4	28.3	92.6	78.9	0.3	1.5	9.7	9.8	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	453.8

CALAPAN

[ϕ=13° 25′ N; λ=121° 11′ E; barometer above sea, 5.05 meters; gravity correction not applied, −1.76 mm.]

SEPTEMBER.[a]

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	56.33	54.73	23.4	28	97	77	Calm	NE 1	10	10	3.5
2..	57.58	57.06	23.8	29.8	97	75	Calm	NW 1	10	10	2.3
3..	59	58.79	22.5	31.5	93	62	Calm	NW 1	10	10	......
4..	59.70	58.38	22.5	31	96	71	Calm	NW 2	4	3	.8
5..	59.82	57.24	23.5	30.8	97	65	Calm	NW 1	4	6	......
6..	58.86	56.89	26	30.7	84	61	NW 2	NE 1	8	6	......
7..	57.43	56.43	25	30	92	71	Calm	NE 1	10	6	......
8..	57.07	56.28	23	31	96	65	Calm	NW 1	10	9	19.8
9..	58.28	56.81	24	27	98	84	Calm	W 1	10	10	.8
10..	58.08	56.04	24	29	91	79	Calm	Calm	9	10	5.1
11..	56.13	56.02	23.5	26.3	96	91	Calm	Calm	10	10	2.5
12..	55.20	53.97	23.5	28.4	91	77	Calm	W 1	10	10	.3
13..	54.71	53.99	23.3	28	95	77	Calm	NW 1	10	10	......
14..	56.09	56.07	23	25	95	92	Calm	Calm	10	10	.3
15..	56.91	56.73	22.3	26.4	95	90	Calm	W 1	8	10	15.2
16..	57.78	57.09	24	30	96	75	Calm	NW 1	10	10	52.3
17..	59.78	58.63	24.5	27.2	96	86	Calm	Calm	10	10	7.6
18..	60.88	59	22.6	30.4	99	60	Calm	NE 2	10	7	.5
19..	60.51	58.98	24	29.5	91	72	Calm	NE 2	10	7	1
20..	59.63	57.79	25	29.5	94	72	NE 1	NE 2	10	7	11.2
21..	59.94	57.90	25	29	90	72	NE 1	NE 2	10	7	.5
22..	60.34	58.71	25	30.3	92	65	Calm	E 2	10	7	......
23..	.....	.....	....	....	....	....	....	....	....	....	......
24..	.....	.....	....	....	....	....	....	....	....	....	......
25..	.....	.....	....	....	....	....	....	....	....	....	......
26..	.....	.....	....	....	....	....	....	....	....	....	......
27..	.....	.....	....	....	....	....	....	....	....	....	......
28..	.....	.....	....	....	....	....	....	....	....	....	3.6
29..	59.16	57.73	....	30.5	....	62	Calm	NE 1	10	7	......
30..	59.86	.....	25	....	96	....	Calm	....	8	....	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.29	57.01	23.8	29.1	94.2	74	0.2	1.1	9.2	8.3	......
Total	.....	.....	....	....	....	....	....	....	....	....	[b]127.3

OCTOBER.[c]

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	58.95	57.35	22	31.7	91	59	Calm	NE 1	6	4	1
2..	58.22	56.34	23.5	31.1	91	56	Calm	NE 1	4	4	......
3..	58.18	55.94	23.5	31	94	72	Calm	NW 3	10	8	......
4..	.....	.....	....	....	....	....	....	....	....	....	......
5..	.....	.....	....	....	....	....	....	....	....	....	......
6..	.....	.....	....	....	....	....	....	....	....	....	......
7..	.....	.....	....	....	....	....	....	....	....	....	......
8..	.....	56.54	....	28.8	....	76	....	NW 1	....	10	27.5
9..	57.07?	55.34	25	24.5	96	96	Calm	Calm	10	10	20.3
10..	56.54	55.37	24	28	97	79	Calm	NW 1	10	10	4.6
11..	58.08	57.50	24	29	96	76	Calm	NE 1	10	10	.3
12..	60.76	58.91	25	30.5	90	72	Calm	NE 1	10	10	......
13..	60.86	58.89	23.5	32	91	66	Calm	NW 1	10	9	......
14..	59.06	57.13	24.8	26	93	88	Calm	W 1	10	10	70.1
15..	56.26	54.11	25	29.3	96	74	NE 1	E 3	10	10	15
16..	56.86	55.79	25	28.8	96	83	E 2	Calm	10	10	13
17..	57.45	56.74	23.8	30.2	97	70	Calm	Calm	10	10	.5
18..	57.94	56.36	23.3	31.3	90	67	Calm	NW 3	9	8	......
19..	58.02	56.04	23.5	30	96	75	Calm	NW 3	8	7	2.5
20..	58.51	58.33	25.5	25.5	92	91	NW 2	Calm	10	10	8.4
21..	60.05	58.97	24.1	30.5	95	75	Calm	NE 1	10	5	......
22..	60.76	58.69	23.5	31	94	64	Calm	NE 2	10	8	3
23..	60.23	58.94	24.5	30.2	92	74	Calm	NE 1	10	9	......
24..	60.02	58.79	24	28.8	93	72	Calm	NE 2	7	8	5.6
25..	59.94	58.89	24.4	29	95	78	Calm	NE 1	10	8	30.2
26..	61.06	58.73	24	29	97	74	Calm	Calm	10	8	16.7
27..	61.26	59.46	23.5	28.5	96	78	Calm	NE 1	9	10	......
28..	60.11	58.73	26	32	88	63	Calm	E 1	10	8	9.9
29..	59.81	58.30	26.5	30.5	88	68	NE 1	NE 2	10	6	......
30..	59.35	58.29	26	29	89	74	NE 1	NE 1	10	10	23.4
31..	59.38	57.99	24.1	29.4	97	75	Calm	NE 1	10	10	36.3
Mean	59.03	57.50	24.3	29.5	93.5	73.9	0.3	1.2	9.3	8.5	......
Total	.....	.....	....	....	....	....	....	....	....	....	[d]288.3

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.rt.*			*0–10*	*0–10*	*mm.*
1..	59.58	58.55	25	30.4	96	72	Calm	NE 2	10	10	63.2
2..	60.20	58.98	25	30.2	92	74	Calm	ESE 2	10	9	......
3..	60.14	58.43	26	32	92	66	Calm	ESE 2	10	10	......
4..	60.01	58.38	27.5	29.9	78	73	NE 1	NE 2	10	10	.5
5..	59.06	57.24	26.2	31.5	94	66	Calm	NE 1	10	8	1
6..	58.76	57.16	26	32.5	88	60	NF 1	NE 2	4	4	13.7
7..	60.45	58.08	23.5	31	96	69	Calm	NE 2	10	4	37.9
8..	59.98	57.99	23.5	31	94	64	Calm	ESE 1	10	6	4.9
9..	58.98	57.08	24	30.5	96	65	Calm	NE 1	8	8	......
10..	57.90	56.19	22.5	30.5	91	70	Calm	NW 3	4	6	55.6
11..	57.68	56.33	23.7	30.5	98	68	Calm	E 2	10	9	......
12..	58.27	57.06	24	30.2	93	74	Calm	E 2	10	8	......
13..	58.31	57.89	24	29.5	96	71	Calm	Calm	10	10	......
14..	59.62	58.10	23.9	29.5	88	63	Calm	Calm	10	10	......
15..	59.33	57.51	24	27.5	91	77	Calm	Calm	10	10	......
16..	58.54	57.16	24	28	93	77	Calm	Calm	10	10	......
17..	57.94	57.59	23	25	96	96	Calm	E 2	8	10	36.6
18..	55.58	52.58	24.5	24.2	96	98	W 6	NE 5	10	10	117.1
19..	57.68	56.79	23.5	29.7	96	70	SE 1	E 3	10	7	73.9
20..	58.66	57.31	23	28	96	81	Calm	E 1	7	7	.3
21..	58.65	56.70	23.5	27.5	92	81	Calm	NE 1	7	8	2.8
22..	59.28	58.62	25.5	27.5	80	72	NE 1	ENE 3	10	10	1
23..	60.28	59.34	23	26.8	93	75	Calm	NE 1	10	10	55.1
24..	60.29	59.45	23.5	25.8	91	74	NE 1	NE 2	10	10	3.1
25..	60.61	59.66	22.5	26.5	91	70	Calm	NE 2	10	10	9.1
26..	61.31	58.86	22	28.8	91	62	Calm	NE 2	10	7	.8
27..	59.53	58.81	23.5	28.5	97	70	Calm	NE 1	10	10	3.3
28..	59.26	58.99	25	30.4	96	66	NE 1	ESE 2	10	7	2.8
29..	61.04	58.89	25	31.5	92	63	NE 1	NE 2	10	7	8.9
30..	60.23	59.23	25.5	31	92	65	Calm	NE 1	10	7	3.3
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	59.24	57.83	24.2	29.2	92.5	71.7	0.4	1.7	9.3	8.4	......
Total	.....	.....	....	....	....	....	....	....	....	....	494.9

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	60.24	59.59?	25.5	28	91	77	Calm	NE 1	10	10	3
2..	60.14	59.78	25	29	96	69	Calm	NE 2	10	10	2.3
3..	59.56	57.89	25.5	28.5	89	77	NE 2	NE 2	10	10	12.4
4..	57.96	55.91	25.5	28.5	86	77	NE 1	NE 1	10	10	9.4
5..	56.46	55.02	25	26.5	94	91	E 3	NE 1	10	10	22.6
6..	57.07	56.33	25	26.7	92	87	NE 1	Calm	10	10	5.6
7..	58.39	57.53	25	27.5	90	81	Calm	NE 1	8	10	4.4
8..	58.90	57.85	22.9	29	97	79	Calm	NE 2	7	8	.5
9..	59.18	58.39	24.5	31	87	59	Calm	NE 1	9	7	7.6
10..	60.42	58.81	25.5	28.3	88	72	NE 1	NE 1	10	10	2
11..	60.73	59.79	24	29.4	96	72	Calm	NE 2	8	8	.3
12..	59.86	58.05	23.5	30.5	96	65	Calm	E 1	10	4	......
13..	59.40	57.41	22.3	29.5	93	70	Calm	NE 1	7	7	......
14..	58.67	57.34	25	26.2	88	82	NE 1	NE 3	10	10	3.3
15..	58.87	58.16	24.5	26.5	89	84	NE 1	NE 2	10	10	6.4
16..	59.74	59.34	25	24.6	88	93	Calm	E 1	10	10	21.1
17..	60.88	60.12	24.3	27	91	78	Calm	E 1	10	10	11
18..	61.25	60.31	25	24.5	92	88	E 2	E 3	10	10	12.7
19..	61.76	61.64	24.5	26.5	79	84	NE 1	Calm	10	10	.6
20..	62.44	60.79	22.9	29.4	92	63	Calm	E 1	10	3	1.3
21..	62.36	61.05	23	29.5	96	68	Calm	NE 1	10	7	.5
22..	62.58	61.09	25	27.4	83	78	Calm	NE 1	8	10	12.2
23..	61.66	59.99	24.5	29	87	74	Calm	NE 2	10	3	5.1
24..	61.06	58.91	24	28.5	90	74	Calm	NE 1	8	8	......
25..	60.16	59.11	24	27	91	80	Calm	NE 1	7	8	4.3
26..	61.26	59.50	24	27.5	96	79	Calm	NE 2	8	10	6.3
27..	60.68	59.19	23.2	29.5	97	69	Calm	NE 1	8	10	.3
28..	60.60	59.69	23.5	28.8	96	69	Calm	NE 1	10	10	2
29..	62.26	60.73	24	25.2	87	82	NE 1	NE 2	10	10	2
30..	63.28	62.38	24	25	77	68	NE 2	NE 2	10	10	.1
31..	64.19?	62.26	23.5	28.5	73	74	NE 3	NE 3	10	10	......
Mean	60.39	59.16	24.3	27.8	89.9	76.2	0.6	1.4	9.5	8.8	......
Total	.....	.....	....	....	....	....	....	....	....	....	160.3

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[a] Station temporarily closed from 23rd to 28th.
[b] 24 days of observation.
[c] Station temporarily closed from 4th to 7th.
[d] 27 days of observation.

VIRAC

[ϕ=13° 35′ N; λ=124° 14′ E; barometer above sea, 5.63 meters; gravity correction not applied, —1.76 mm.]

Day.	JANUARY.											FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	62.10	60.28	23.5	28.5	97	71	E 3	ESE 3	9	8	......	62.70	61.27	20.1	29.3	99	77	WNW 1	E 3	3	4	......
2..	61.37	60.04	22.6	30.3	97	67	N 1	ESE 3	4	8	8.6	63.21	62.08	19.5	29.3	99	69	NW 1	E 3	4	3	......
3..	62.27	60.75	23.8	29.3	98	70	NW 1	E 3	10	7	1	64.10	62.19	20	29	98	74	WNW 1	E 4	3	5	......
4..	62.35	61.65	24.1	24.5	96	96	N 1	E 3	10	10	21.1	64.46	62.77	18.6	31.1	96	60	WSW 1	N 2	2	6	......
5..	62.97	62.09	24.8	29.6	87	59	E 3	ENE 4	4	5	4.8	64.70	63.79	22	30	81	69	N 1	ENE 4	4	5	6.4
6..	64.42	63.39	25.4	29.1	77	62	E 3	E 4	5	4	3.3	64.62	63.60	23.5	25.8	89	84	ENE 4	NE 3	10	8	18.1
7..	63.56	62.22	25	29.3	83	64	ENE 4	E 4	8	7	3.8	64.42	63.46	24.6	28	88	76	ENE 4	E 4	9	7	10.2
8..	62.89	61.18	25.5	28.4	88	80	E 4	E 3	8	8	11.9	64.30	62.98	25	29	90	65	NE 3	E 3	9	5	1
9..	61.25	59.97	25.1	29.7	98	67	ENE 3	E 4	8	4	1.5	64.11	62.67	22.8	30.4	88	69	N 1	E 3	5	4	......
10..	60.71	58.98	20.5	30.5	99	62	N 1	E 3	3	7	......	63.42	61.55	20	30.3	98	68	W 1	ENE 3	4	5	......
11..	60.17	58.89	22	30	96	71	NE 1	E 3	7	4	......	64.05	61.94	22.6	28.7	95	71	NE 2	E 3	10	9	2
12..	60.28	59.14	20.5	29.6	99	67	N 1	SE 2	2	5	......	62.84	61.53	24.8	27.5	93	85	ENE 3	ENE 3	10	9	5.5
13..	61.03	60.03	20.1	28.3	97	70	NNW 1	SE 3	3	9	......	62.29	61.34	24.1	28.8	96	71	NW 1	E 3	10	8	5.1
14..	62.61	61.73	20	29.5	96	61	NNW 1	SE 3	3	8	......	62.42	61.72	20.2	30.4	98	72	NW 1	E 3	4	6	......
15..	62.77	61.37	20.8	29.9	98	68	NW 1	SSE 3	6	9	4.1	63.10	61.43	22.9	30.7	94	71	W 1	NE 3	10	9	28.4
16..	62.40	61.44	25.5	30.3	80	57	ENE 3	E 3	9	4	......	62.10	60.58	23.5	26.2	96	90	NNW 1	SE 2	10	10	54.6
17..	63.72	62.77	20.2	29.8	96	57	N 1	E 4	3	5	......	60.83	59.25	21.8	28.6	98	78	ESE 1	SSE 3	7	10	......
18..	64.30	63.28	20	29.5	91	65	NW 1	E 3	2	8	......	60.56	59.24	20.5	28.5	99	74	WSW 1	E 3	2	8	......
19..	64.37	63.05	20.5	30	91	65	NW 1	ENE 3	4	7	......	61.85	59.95	21.5	29.5	97	69	WSW 1	ENE 3	10	4	.3
20..	63.97	62.18	23.2	27.4	86	67	NE 2	ENE 4	8	8	......	62.15	59.65	25	28.7	83	70	NE 3	ENE 4	4	5	......
21..	64.36	62.60	23.5	27	80	71	ENE 4	NE 4	9	9	......	60.59	59.03	22.4	30	96	70	SW 1	SE 3	10	4	......
22..	63.67	62.46	24	29.2	75	60	NE 4	NE 4	7	6	......	59.65	58.15	21.7	30.1	97	71	W 1	E 3	4	4	......
23..	62.76	61.38	22.6	29	84	67	NNE 2	NE 4	4	5	......	60.22	58.77	21	30.1	98	73	SW 1	E 3	4	4	......
24..	62.87	60.75	23	30	88	65	E 2	E 4	7	7	......	60.72	59.14	25	30.5	90	72	E 2	ESE 4	6	5	......
25..	61.94	60.84	23.5	30.4	92	69	SW 2	E 4	10	6	1	61.08	59.39	20.5	29.3	97	74	WSW 1	E 3	4	7	16.8
26..	62.75	61.82	23.7	29.7	79	63	NNE 3	ENE 3	3	7	......	61.47	60.80	23.1	28	94	69	N 2	NE 2	10	10	4.1
27..	62.41	61.24	22.7	30.6	85	69	NW 1	E 3	4	4	.5	62.05	60.84	24.6	27.5	83	78	ENE 3	ENE 3	5	10	......
28..	62.30	61.34	24.4	27	85	77	E 2	ENE 5	10	10	.5	61.89	60.28	24.6	29	79	72	NE 1	E 3	9	7	......
29..	62.20	61.50	24.6	29.9	82	69	ENE 3	E 3	9	3	......	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
30..	62.24	60.88	19.5	29.6	97	77	N 1	E 3	1	4	2	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
31..	62.17	60.57	20.2	29.6	98	74	NW 1	E 3	2	4	......	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
Mean	62.55	61.28	22.7	29.2	90.2	68	2	3.4	5.9	6.5	......	62.50	61.05	22.4	29.1	93.2	72.9	1.6	3.1	6.5	6.5	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	64.1		.....	.....	.....	.....	.....	....	....	.....	.....	152.5

Day.	MARCH.											APRIL.[a]										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.45	60.44	21.5	28.5	95	64	S 1	E 3	10	8	......	60.36	59.43	26	30.9	87	72	ENE 1	ESE 3	6	4	......
2..	60.70	60.18	21.7	28.6	97	76	W 1	ENE 4	10	8	......	60.68	59.97	26.4	30.3	86	74	E 2	SE 3	6	7	......
3..	62.24	61.32	24.8	30.3	79	67	ENE 2	E 4	4	4	......	60.87	58.94	22.2	29.5	98	77	W 1	E 3	4	5	......
4..	62.81	61.70	24.4	30.2	77	68	NE 2	E 3	4	4	......	60.15	58.98	22.6	29.7	97	79	N 1	E 2	6	7	......
5..	62.92	61.57	20	30.3	96	68	SW 1	E 4	5	4	......	60.94	59.50	23	30	97	75	NW 1	SE 3	7	4	......
6..	62.32	60.57	20	30.6	98	72	WSW 1	ESE 3	4	9	5.1	61.07	59.69	23.1	30.6	96	70	NE 1	E 3	7	5	......
7..	62.15	61.05	24.2	30	85	75	NE 2	E 3	7	6	......	60.84	58.80	23.5	30.8	94	71	W 1	ESE 3	5	4	0.5
8..	61.77	60.25	24.5	29.6	79	70	NE 2	ENE 3	6	9	4.8	59.09	57.62	23	31.8	97	66	W 1	E 3	4	6	3
9..	61.64	60.65	23	27	97	77	SW 1	ESE 4	10	10	8.1	58.62	58.27	26.8	26	90	97	ENE 3	ENE 3	10	10	19.8
10..	62.41	60.93	24.6	29.3	83	72	NE 2	E 3	7	4	.5	58.60	57.47	26.3	30.4	93	73	E 3	E 3	10	5	1.1
11..	62.12	60.71	23	28.4	95	72	SW 1	NE 3	9	8	22.8	59.14	57.55	26.2	30.4	94	72	E 3	ENE 3	10	5	......
12..	62.21	61.20	23.2	29.5	98	69	WSW 1	NE 2	9	10	......	59.22	58.15	27	30.5	84	68	ENE 3	E 3	7	4	1.5
13..	62.26	60.77	21	30.4	98	70	SW 1	E 3	4	4	1	59.44	57.87	24	30.9	95	66	ENE 1	E 3	5	5	......
14..	62.34	60.85	23.5	29.6	96	67	NE 3	E 3	10	4	2	59.59	58.40	23.5	30.5	92	70	WSW 1	ESE 3	9	5	......
15..	62.07	60.83	22.5	28	96	76	SW 1	E 3	5	8	.5	60.48	59.11	25.2	31.1	90	69	WNW 1	ESE 3	10	4	......
16..	62.13	60.49	20	28.9	98	66	WNW 1	NE 3	3	8	......	60.62	59.32	21.6	32	96	61	WNW 1	E 3	4	4	......
17..	61.55	61.10	25	30.1	80	64	NE 4	ENE 3	9	3	1.5	59.80	58.29	24.6	31	90	69	W 1	E 3	3	7	3
18..	62.40	61.55	21.7	28.2	97	74	WNW 1	ENE 4	8	10	2.5	59.67	58.40	24.1	31	97	65	W 1	E 3	6	4	......
19..	62.67	61.84	22.5	29.2	99	72	SW 1	E 3	9	9	.8	60.51	59.87	24.2	31	90	63	N 1	E 4	5	4	......
20..	62.58	61.15	25.6	30.2	90	68	E 3	E 3	9	4	......	61.75	60.01	22.8	31.1	95	65	W 2	E 3	6	3	......
21..	61.57	60.03	25.5	30	86	67	NE 4	ESE 3	9	1	......	61.92	59.96	23	32.3	93	61	WSW 1	E 4	7	4	......
22..	61.30	60.08	21.2	26.6	98	84	WSW 1	E 2	5	10	1.3	60.80	60.01	23.4	32	93	61	W 1	E 3	5	5	......
23..	61.20	59.89	26.6	28	89	82	E 3	E 3	8	10	......	61.27	60.07	23.5	32.5	96	60	W 1	E 3	3	4	......
24..	60.76	59.57	23	30	97	74	WSW 1	ESE 3	10	7	.3	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
25..	60.90	59.65	22.3	29.7	99	73	WNW 1	E 3	10	7	.8	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
26..	61.67	59.68	21.2	29.8	98	75	W 1	E 3	3	7	......	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
27..	60.69	59.36	21.5	31.1	97	70	WNW 1	E 3	6	4	1.5	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
28..	60.76	59.19	23.3	30.6	97	72	SW 1	E 3	9	5	......	59.36	57.83	22.9	31.9	96	62	W 1	E 3	4	3	......
29..	61.02	59.18	22.5	30.7	99	70	WSW 1	ESE 3	7	5	......	59.32	58.62	23.5	31.5	92	69	W 1	ESE 3	4	6	1.8
30..	60.13	58.39	26.2	31	82	69	E 2	E 3	7	4	1.3	60.11	58.74	24.5	31.4	87	60	W 1	E 3	4	4	......
31..	59.11	58.53	22.5	30	99	70	WNW 1	ESE 2	4	9	.5	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
Mean	61.67	60.41	23	29.5	92.7	71.4	1.6	3.1	7.1	6.5	......	60.16	58.88	24.1	30.8	92.9	69	1.4	3	6	4.9	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	55.3	.....	.....	.....	.....	.....	.....	....	....	.....	.....	[b]30.7

[a] Station temporarily closed from 24th to 27th.

[b] 26 days of observation.

VIRAC

[ϕ=13° 35′ N; λ=124° 14′ E; barometer above sea, 5.63 meters; gravity correction not applied, —1.76 mm.]

Day.	MAY.											JUNE.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.13	58.39	24.5	31.7	89	62	E 2	F 3	10	5	0.5	59.20	57.97	27	31.8	89	66	W 1	ESE 3	5	6	2.1
2..	60.50	58.23	24.5	32.1	89	61	W 1	E 2	2	4	......	57.92	56.86	25.5	32.1	96	62	W 1	E 3	4	3	......
3..	59.60	58.80	23	33.3	93	52	WNW 1	FNE 3	5	4	......	57.51	56.78	25.6	31.5	95	64	WSW 1	SE 3	3	7	......
4..	59.61	58.84	25.5	33	89	55	W 1	ESE 3	4	4	12.7	57.71	56.24	25.8	32	93	66	SW 1	E 3	5	4	22.9
5..	60.50	60.19	27	31.7	87	65	NE 1	ENE 3	8	6	2.3	58.50	57.57	25.5	31.6	98	70	W 1	E 2	7	5	......
6..	60.54	59.27	27.5	31.1	82	62	ENE 3	ENE 4	5	8	4.1	58.72	58.03	25.6	30.3	95	76	W 1	W 1	10	9	9.4
7..	59.85	58.72	25	31.5	92	65	W 2	ESE 3	4	4	.8	59.41	57.32	25.2	32	97	69	W 1	W 1	9	9	5.1
8..	59.08	58.23	23.7	31.7	96	64	WSW 1	E 3	7	4	.8	58.03	55.42	25.3	26.8	98	95	WNW 1	W 1	10	10	21.6
9..	59.98	58.11	25.1	31.5	91	64	W 1	E 4	5	4	2.3	54.72	54.50	26	28.6	92	73	ENE 4	S 3	10	10	1.5
10..	59.43	58.04	27.4	32	84	65	WNW 1	E 3	5	3	3.3	56.02	55.90	27.5	28.8	84	80	S 3	SSW 3	10	10	......
11..	58.10	56.55	27	31.4	86	66	ENE 1	E 2	7	4	1.8	57	55.65	28.2	29.7	85	76	S 3	S 4	10	10	......
12..	58.35	57.14	27.2	31.5	90	63	E 2	E 3	8	5	......	56.93	55.58	27.9	31.1	82	73	SSE 2	S 3	10	5	......
13..	58.63	57.22	27.5	32.5	85	63	E 2	ESE 3	7	4	......	57.75	56.73	26	31.1	92	74	SW 1	S 3	3	6	......
14..	58.66	57.23	25	31.7	93	64	WSW 1	ESE 3	9	4	......	57.75	56.43	26.1	30.9	94	71	NW 1	SW 4	2	7	......
15..	57.45	56.33	26.5	31.5	86	66	W 1	ESE 3	5	8	......	58.06	56.46	26.6	33.5	92	60	WNW 1	SW 4	4	7	......
16..	57.25	55.76	25.8	31.5	90	68	WNW 1	ESE 2	9	3	......	58.12	56.81	25.5	34	96	62	W 1	SW 3	3	4	......
17..	57.53	55.53	25.5	31.6	91	67	SW 1	ESE 2	10	5	7.4	58.95	56.68	26.5	32.1	93	72	W 1	SW 3	4	5	......
18..	57.29	55.63	25.5	32.4	93	60	W 1	SE 2	10	7	2	57.92	56.21	25.9	32	96	69	WSW 1	S 3	7	5	30.5
19..	58.23	56.73	28.5	32	88	69	E 2	ESE 3	10	7	1.8	56.92	55.93	25.4	28	97	89	W 1	SW 1	10	10	17.2
20..	59.30	57.25	26	31	92	68	WSW 1	E 3	10	10	39.6	57.49	56.14	24.9	31.5	96	70	W 1	SW 1	10	6	......
21..	59.61	58.29	25.5	31.7	96	69	W 1	E 3	9	7	......	58.24	57.08	25	33.5	97	64	WNW 1	SW 3	5	6	......
22..	59.04	57.58	25	31.5	97	65	WNW 1	ESE 3	8	4	1.5	59.03	57.12	27.2	33	90	65	W 1	S 3	3	7	......
23..	59.18	57.66	28	30.6	88	72	ESE 1	E 3	7	9	......	58.47	56.91	25.5	33.6	98	64	W 1	SW 2	3	7	14.2
24..	58.85	57.74	28.5	31.5	78	66	SE 3	SE 3	8	4	......	57.95	55.93	26	28	94	89	W 1	N 2	6	10	51.3
25..	58.96	57.25	28.5	30.7	78	75	NF 2	ESE 3	9	7	5.3	57.05	54.88	25	29.6	95	78	WNW 1	SW 3	10	10	22.2
26..	58.66	56.38	27.1	31.4	91	67	W 1	ESE 3	7	5	......	55.56	55.42	26	26.5	90	88	SW 1	SW 3	10	10	8.4
27..	57.26	55.29	26.7	31.1	91	71	WNW 1	ESE 3	7	10	5.3	58.05	56.99	26	30.8	90	73	NW 1	SF 3	9	7	......
28..	57.11	56.13	27	30.5	92	72	W 1	E 3	10	8	......	59.29	58.18	27.5	31.6	90	70	E 1	E 3	5	3	......
29..	57.09	56.43	28.6	32	78	69	E 3	E 3	9	5	20.1	59.51	57.33	25.5	27.3	94	93	WSW 1	W 1	10	10	8.4
30..	57.72	56.46	26.6	31.1	92	73	NE 1	E 3	9	9	6.9	56.47	55.10	25	27.6	98	86	SW 1	WNW 2	10	10	8.6
31..	59.35	58.62	25.6	30.9	95	75	N 1	S 2	10	10	1.3	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.80	57.42	26.3	31.6	89.1	65.9	1.4	2.9	7.5	5.8	......	57.81	56.47	26	30.7	93.2	73.6	1.3	2.6	6.9	7.3	......
Total	.....	.....	....	....	....	....	....	....	....	....	119.8	.....	.....	....	....	....	....	....	....	....	....	223.4

Day.	JULY.											AUGUST.[a]										
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	53.91	52.13	24.2	26.2	97	90	WNW 3	W 3	10	10	35.1	54.71	53.34	27.5	31.4	88	67	SW 2	SW 4	10	10	....
2..	55.02	55.70	23.5	27	97	86	W 3	SW 4	10	10	5.1	55.35	54.40	27	29	92	78	W 1	SW 2	10	10	3.3
3..	59.75	59.29	25	31.5	92	68	SSE 3	SSE 3	10	10	.8	55.42	53.72	26.2	28.5	95	80	W 1	W 1	10	10	14.2
4..	60.65	58.48	24.5	31.3	96	65	W 1	E 3	10	9	......	54.92	53.79	25.3	30.9	91	69	W 1	WSW 2	10	10	......
5..	59.81	58.17	24.6	26.8	97	89	NW 1	S 2	10	8	13.5	55.10	54.74	25.9	29.5	94	75	W 1	W 4	10	10	3.3
6..	58.97	58.26	24.1	27.6	97	83	NW 1	NW 1	10	10	1.8	55.16	53.96	26.3	28.5	88	74	W 1	WSW 3	10	10	13.7
7..	60.20	59.18	23.5	29.8	96	74	W 1	E 2	10	7	......	53.64	51.67	25.2	27.5	97	82	WSW 2	WSW 3	10	10	2.8
8..	60.15	59.46	24	30.1	97	76	W 1	S 2	3	7	......	52.36	51.97	27	30.8	84	68	SW 3	SW 4	10	9	1.3
9..	59.65	58.01	24.9	31.6	96	68	WNW 1	SE 3	3	4	......	53.15	52.67	27	29.5	86	75	WSW 3	SW 3	10	10	2
10..	58.85	56.95	26.5	31	90	71	WSW 1	S 2	6	4	......	53.27	52.36	27.5	28.7	87	80	SW 4	WSW 3	10	10	1
11..	58.81	57.63	25.2	32.1	93	66	WSW 1	E 3	3	4	......	53.32	52.06	27	28.5	92	84	WSW 3	SW 3	10	10	4.3
12..	59.83	58.59	24.6	31.3	97	69	W 1	SE 3	4	5	......	53.11	52.44	26.6	29.2	89	82	SW 3	SW 3	10	10	1.8
13..	59.32	57.94	23.7	30.8	97	76	W 1	SE 3	1	7	7.1	55.05	53.90	26	30.2	94	77	W 2	WSW 3	10	10	......
14..	59.06	57.61	24.1	27.5	97	88	WNW 1	W 1	6	7	10.9	56.83	55.29	26.5	30.9	93	72	W 1	SW 3	10	10	......
15..	58.47	56.44	25.5	32	96	66	W 1	ENE 3	9	6	......	56.82	55.95	26	33.5	94	63	WNW 2	WSW 3	8	6	......
16..	57.85	56.83	25.5	31	94	71	W 1	ENE 1	2	9	1	58.27	57.18	25.6	33	90	61	WSW 2	SW 2	7	7	......
17..	58.46	57.50	25.3	29.6	94	81	W 1	NW 1	10	9	16.2	57.69	56.91	(b)	(b)	(b)	(b)	W 1	WSW 3	7	7	......
18..	58.21	56.82	23.2	31.3	98	70	W 1	WNW 2	8	9	......	57.39	55.60	....	....	....	....	NW 3	WNW 3	6	7	5.8
19..	56.90	56.05	24.4	27.2	97	87	W 1	E 2	10	10	15.5	55.40	53	....	....	....	....	NW 3	NW 4	10	10	188.2
20..	56.67	56.03	24	26	97	90	WNW 1	WNW 1	10	10	12.7	51.21	53.49	....	....	....	....	NW 7	W 6	10	10	10.9
21..	56.24	54.99	23.5	30.5	96	74	WNW 1	E 2	10	9	12.4	58.19	56.91	....	....	....	....	SSW 3	S 4	10	7	......
22..	56.41	55.14	24.5	30.8	96	72	W 1	S 2	10	10	8.4	58.72	56.68	23.3	33.7	97	57	NW 1	SW 2	3	6	......
23..	55.94	54.74	24.7	29.5	97	75	W 1	W 1	10	10	2.5	56.34	54.99	24.8	30.6	95	73	W 2	W 2	8	10	3
24..	56.47	55.38	25.5	31.2	96	71	W 1	E 3	10	5	33.3	54.85	53.77	25.5	32	91	66	W 2	W 3	10	10	......
25..	57.11	55.73	24.6	32.8	97	63	WSW 1	WSW 2	10	9	......	55.36	54.59	27	32	90	65	WSW 3	WSW 3	10	10	......
26..	55.80	52.54	25.1	30.4	96	73	W 1	W 3	10	10	1	56.99	57.49	25.2	32.6	95	63	W 1	SW 2	10	10	......
27..	52.13	51.74	27	28.5	92	83	WNW 4	WNW 3	10	10	6.1	58.90	57.35	23.8	31.8	97	64	WNW 1	WSW 2	7	9	......
28..	53.27	53.72	26.9	29.1	88	77	W 3	W 4	10	10	8.6	56.74	55.60	23	32.6	98	63	WNW 1	WNW 3	7	10	9.6
29..	53.10	52.41	24.9	29.4	94	78	W 2	SW 4	10	10	.8	54.36	53.02	24	24.7	97	91	WNW 3	WNW 4	10	10	31.5
30..	52.77	52.17	26.6	32.6	95	63	W 1	WSW 3	10	10	......	53.93	53.47	24.6	28.6	95	80	W 3	WSW 3	10	10	3.5
31..	53.87	52.86	27.6	31.5	91	68	W 1	SW 4	10	10	......	55.32	54.31	25	31.5	93	69	WSW 2	SW 3	10	9	.8
Mean	57.21	56.08	24.9	29.9	95.3	75.2	1.4	2.5	8.2	8.3	......	55.42	54.41	25.7	30.4	92.4	72.2	2.2	3	9.1	9.3	......
Total	.....	.....	....	....	....	....	....	....	....	....	192.8	.....	.....	....	....	....	....	....	....	....	....	301

[a] Beginning with August 17, the height of the barometer above sea level was 10 meters instead of 5.63 meters.

[b] The thermometer shelter was transferred to another place.

VIRAC

[φ=13° 35′ N; λ=124° 14′ E; barometer above sea, 10 meters; gravity correction not applied, — 1.76 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	56.35	55.02	25.5	32.2	91	65	SW 3	SW 3	9	7	......
2..	58.04	57.27	25	33.5	93	60	NW 1	SSW 2	7	6	......
3..	59.17	58.55	23.2	29.7	95	79	NW 1	SE 2	7	6	......
4..	59.67	58.45	23	29.1	98	78	NW 1	SSE 2	3	9	......
5..	58.80	56.93	24	30.7	95	69	NW 2	SSE 2	5	6	2
6..	58.08	56.69	24	29.9	97	73	NW 1	S 2	7	9	......
7..	56.67	55.60	23.2	28.5	95	75	N 1	S 1	10	10	......
8..	56.94	56.28	23.2	28.5	97	83	NNW 1	WNW 1	7	10	7.6
9..	57.50	56.21	24.3	30.3	97	76	NW 1	W 2	10	7	28.2
10..	56.75	55.37	24.5	26.2	96	92	NNW 1	NW 1	10	10	57.9
11..	55.84	54.01	23.6	25.5	98	91	NNW 1	WNW 2	10	10	46.4
12..	53.13	51.74	24.3	24	97	95	WNW 3	WNW 5	10	10	105.7
13..	53.87	53.91	24.8	29	93	79	W 2	W 2	10	10	......
14..	56.78	55.54	24.3	29.1	97	78	NW 1	SSW 3	7	10	......
15..	57.21	55.88	24	31.6	97	66	N 1	S 2	10	6	19.3
16..	58.34	57.05	24.2	29	98	79	NW 1	SE 3	10	7	11.9
17..	59.80	58.61	24.5	27.6	97	89	NW 1	SSE 3	10	7	68.6
18..	60.88	58.94	24	28.7	98	77	NW 1	E 4	10	7	14.5
19..	60.28	58.85	23.5	27.3	96	91	WNW 1	W 1	3	10	5.6
20..	59.71	57.81	24.6	28.1	92	84	ESE 1	E 4	10	10	......
21..	59.86	57.72	24	28.6	91	78	ESF 2	E 4	7	7	......
22..	59.90	58.69	23	29.5	97	73	N 1	WNW 1	3	8	......
23..	59.76	58.50	21.9	29.8	96	77	NW 1	E 3	3	7	......
24..	59.41	58.53	22	30.3	96	72	NW 1	E 4	4	7	......
25..	59.41	58.68	23.5	30.2	94	77	N 1	E 4	3	6	......
26..	60.18	58.53	23.5	30.3	97	71	NW 1	F 3	5	7	......
27..	59.29	58.26	23.1	30.2	96	75	NW 1	S 2	4	7	7.1
28..	59.11	57.65	24	29.5	97	75	NW 1	E 4	7	7	......
29..	59.35	57.88	22.5	26.6	99	95	NW 2	NW 2	4	9	2
30..	59.48	57.52	22.2	29.5	98	77	NW 1	SE 1	2	8	.8
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.32	57.02	23.7	29.1	95.9	78.3	1.3	2.5	6.9	8	......
Total	.....	.....	....	....	....	....	....	....	....	....	377.6

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	58.21	57.13	24.4	26.4	97	97	W 1	WSW 2	10	10	9.7
2..	57.39	55.75	23.5	29.7	97	76	NW 1	ESE 3	7	7	......
3..	57.41	55.85	24.5	31.7	96	68	NNW 1	WNW 3	6	6	......
4..	58.02	56.03	23.7	30.6	96	74	NNW 1	E 4	10	8	......
5..	58.06	56.20	24.6	28.6	95	83	NW 1	ENE 2	10	9	3
6..	57.82	56.61	23.5	28.3	97	81	NNW 1	ESE 2	4	10	21.9
7..	58.44	57.30	24.9	28.3	96	82	NNW 1	WNW 2	10	10	15.3
8..	57.56	55.69	24	28.4	97	85	NW 1	S 3	10	8	6.8
9..	57.07	56.52	27	26.6	87	94	SSE 4	SSW 3	10	10	22.1
10..	57.63	56.81	25	28.6	95	83	W 1	WSW 3	10	10	4.6
11..	58.73	57.74	24.5	29.5	97	79	N 1	E 3	10	9	......
12..	60.34	59.01	23.8	28.7	98	84	NW 1	SE 2	4	8	3.3
13..	59.75	57.74	24	31.2	97	71	WNW 1	NNE 3	6	7	35.3
14..	57.32	55.10	27.1	26	85	98	ENE 4	E 6	10	10	34.3
15..	57.34	55.67	25.6	27.9	97	85	SSF 3	SE 3	10	10	9.4
16..	57.88	56.55	24.4	29.3	97	77	NW 1	SSE 2	8	6	1.5
17..	58.36	56.69	24.5	32	97	66	WNW 1	SW 2	4	5	......
18..	57.59	55.99	24	29.7	98	79	NW 1	E 3	2	7	......
19..	57.94	56.08	25.1	26.6	94	87	NNW 1	SE 2	9	10	16
20..	58.09	57.25	25	30.5	95	75	NNW 1	SW 1	9	8	......
21..	59.49	58.59	24.8	30.1	90	77	NW 2	E 3	10	7	.5
22..	60.08	58.30	25	29.9	95	76	ENE 3	ENE 3	8	7	......
23..	59.59	58.97	23.5	26.4	97	95	WNW 1	NW 1	4	10	24.1
24..	59.14	58.06	25.5	29.5	94	76	ENE 1	E 3	7	7	......
25..	59.76	58.31	24.2	29.1	97	81	NW 1	ESE 3	7	6	2.5
26..	60.34	59	24	26.2	97	90	NW 1	E 3	7	10	25.4
27..	60.27	59.28	24	29	95	81	WNW 1	S 2	10	7	1.8
28..	59.81	58.50	24.1	29.5	94	77	NW 1	E 3	8	8	5.6
29..	59.48	57.53	24.5	29.5	96	76	NW 1	ENE 3	8	7	22.4
30..	59.12	57.82	26	29.5	92	79	WNW 1	E 3	9	8	20
31..	59.24	57.77	24.5	29	97	78	NW 1	E 3	10	9	......
Mean	58.62	57.22	24.6	28.9	95.2	81	1.4	2.7	8	8.2	......
Total	.....	.....	....	....	....	....	....	....	....	....	285.5

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.73	58.60	25.1	28.5	98	77	NW 1	ENE 3	10	10	13.5
2..	60.01	58.40	25	29.5	97	76	WNW 1	E 3	7	7	3.8
3..	59.73	58.10	26	29.7	92	76	ENE 3	E 3	7	6	3.6
4..	59.32	58.32	27.6	28.4	87	82	E 4	ENE 3	7	8	22.1
5..	58.84	57.45	27.4	30	89	75	ENE 4	ENE 4	9	6	6.6
6..	58.35	57.12	25.7	27.5	98	85	NE 1	E 3	10	10	10.6
7..	59.90	58.05	24	29.5	97	77	NW 1	E 3	8	7	8.1
8..	59.48	57.63	26.5	28.5	88	81	NE 1	NE 1	10	10	4.3
9..	57.70	55.51	24.1	29.4	97	78	N 1	NW 2	10	9	8.1
10..	56.46	55.08	25	26	98	95	NW 2	WNW 2	10	10	19.5
11..	56.48	54.89	24.5	29.7	97	77	WNW 2	WNW 2	10	9	2.8
12..	56.81	56.15	25	30	92	74	NNW 1	NW 1	10	8	.5
13..	56.93	55.57	25.5	27.5	89	81	W 1	WNW 2	10	10	15.7
14..	54.66	53.81	25.5	25.5	84	89	N 4	N 4	10	10	134.1
15..	54.27	54.16	26	26	84	89	NE 4	ENE 5	10	10	34.5
16..	56.16	55.16	25.8	27	95	92	ENE 3	E 4	10	10	27.2
17..	55.24	54.60	25.3	26.1	94	91	E 4	ESE 4	10	10	20.1
18..	57.78	56.95	25	28	93	85	ESE 3	ESE 4	10	7	......
19..	58.51	57.06	24.5	30	94	77	NNW 2	S 3	7	6	......
20..	58.81	57.02	23.5	30.5	97	75	NE 1	SSE 3	6	5	......
21..	57.58	56.17	23.4	30.6	97	73	E 1	E 3	7	5	13.2
22..	58.44	57.41	24.5	29.5	96	76	S 1	E 2	10	7	......
23..	59.79	58.99	24.7	29	96	78	WNW 1	S 2	6	8	......
24..	60.24	59.11	23.7	27.5	89	88	NNW 1	NE 3	10	9	......
25..	60.24	58.69	23.8	28.2	93	85	N 2	NE 3	10	8	......
26..	60.12	58.36	25	28	90	83	ENE 2	ENE 3	9	10	10.9
27..	58.18	57.60	26.5	26.8	88	90	ENE 3	ENE 3	10	10	33
28..	60.27	59.07	26	28.1	92	84	ENE 2	ENE 3	8	7	4.8
29..	60.51	58.84	26	28.7	90	81	ENE 3	E 3	6	7	6.4
30..	59.54	58.35	26.5	28	90	83	ENE 4	ENE 3	7	10	29.2
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.34	57.07	25.2	28.4	92.7	81.8	2.1	2.9	8.8	8.3	......
Total	.....	.....	..	....	....	....	.....	....	....	....	432.6

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.59	58.85	24	28.5	97	81	NW 1	E 3	10	10	4.8
2..	59.93	58.94	25	29.1	95	77	ENE 2	ENE 3	7	6	8.1
3..	58.52	56.82	24.1	27	96	80	NW 1	ENE 3	10	10	36
4..	57.16	56.07	25.6	26	88	92	ENE 3	E 3	10	10	35.8
5..	56.88	56.34	24.6	26.8	95	89	E 4	E 3	10	10	4.3
6..	57.94	56.94	26	29.8	94	75	ESE 3	SSE 2	9	4	......
7..	58.51	57.37	23.8	30.3	98	75	NW 1	S 2	4	5	12.2
8..	59.19	58.04	23.5	29.3	96	77	NW 1	E 2	7	7	......
9..	59.44	58.50	24.7	28.5	92	81	NE 1	E 3	8	8	1
10..	60.64	58.71	23.5	30	99	78	NW 1	ENE 3	5	7	13.7
11..	60.71	58.65	23.5	30.2	97	75	NW 1	E 3	9	8	7.1
12..	59.43	58.09	24.5	28.8	96	78	NW 1	ENE 2	10	8	12.7
13..	59.22	57.39	22.5	30	96	77	NNW 1	SE 2	3	8	......
14..	58.67	57	22.2	30.3	98	76	N 1	ESE 3	2	6	.3
15..	58.18	57.40	22.9	29	97	76	NW 1	E 3	4	8	......
16..	59.16	58.16	24.1	28	97	76	NW 1	NE 1	10	10	4.3
17..	60.17	59.15	25.5	28.8	94	76	E 2	FNE 3	10	8	31.2
18..	60.22	59.59	24	25.8	98	90	NE 2	ENE 3	10	10	71.7
19..	60.74	60.57	24.4	25.2	95	90	ENE 2	E 4	10	10	53.3
20..	61.53	60.47	25	28.3	90	72	ENE 2	ENE 3	10	5	.5
21..	61.61	60.69	24.8	28	93	76	E 2	ENE 4	6	9	2
22..	61.62	60.90	26	28	87	77	E 4	E 4	8	9	3.8
23..	61.02	59.96	25.2	28.5	95	81	ENE 3	ENE 3	7	8	......
24..	60.19	59.07	23.8	28.5	98	78	N 1	ENE 3	6	8	.5
25..	59.15	58.21	24.3	28	97	79	WNW 1	E 3	7	8	......
26..	59.39	58.56	24	28.2	98	76	NW 1	E 3	6	7	......
27..	58.99	58.05	24.7	26.5	94	90	NW 1	NW 1	9	10	.5
28..	59.58	59	24.5	27.5	94	81	NE 1	ENE 2	8	10	11.7
29..	60.94	60	24.1	27.8	96	80	NW 1	E 3	10	10	1.5
30..	62.12	61.86	24.7	26	92	84	E 3	NE 3	10	10	.3
31..	62.96	61	24.5	27	96	84	NE 4	ENE 4	10	10	......
Mean	59.79	58.72	24.3	28.2	95.1	79.9	1.7	2.8	7.9	8.3	......
Total	.....	.....	....	....	....	....	....	....	....	....	317.3

NAGA, AMBOS CAMARINES

[ϕ=13° 37′ N; λ=123° 11′ E; barometer above sea, 5.67 meters; gravity correction not applied, —1.75 mm.]

Day.	JANUARY.											FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.40	60.40	21.1	27.8	98	80	Calm	NE 1	9	10	0.1	62.64	60.91	18.8	30.8	99	60	Calm	NNE 2	10	8	......
2..	61.44	60.32	23	27.6	97	81	Calm	NNW 2	8	9	4.3	63.24	61.77	18.8	29.4	99	64	Calm	NNW 2	8	8	......
3..	62.07	60.47	23.9	28.3	96	77	Calm	N 2	10	9	7.6	64.30	62.17	16.5	29.3	96	60	Calm	N 3	8	8	......
4..	62.19	61.54	21.6	27.8	98	76	Calm	NNE 2	9	9	5	64.65	63.27	16.5	29	100	49	Calm	N 3	8	8	......
5..	62.71	61.99	21	30.3	99	57	Calm	NNW 2	8	8	......	65.12	63.42	21.6	29	84	64	N 1	N 4	6	8	......
6..	64.54	63.64	22	25.3	98	88	NNE 1	N 2	8	9	1.4	65.85	63.58	22.1	26.6	90	78	N 2	N 1	9	8	4.1
7..	63.24	61.69	22.4	30.5	95	58	NNW 1	W 1	8	9	......	64.86	63.52	20.6	25.4	96	84	NNW 1	SE 2	9	9	6.6
8..	63.03	60.91	20.6	30	96	60	Calm	ESE 3	9	9	......	64.24	62.47	20.5	30.7	98	57	Calm	N 1	8	9	......
9..	61.56	60.06	21.9	30.4	98	66	Calm	N 1	10	8	......	64.02	62.73	18.4	29.5	98	58	Calm	N 3	8	8	......
10..	60.85	59.45	18.8	30	98	66	Calm	NNW 2	10	9	......	63.55	61.56	17.5	29.6	97	62	Calm	N 3	8	8	......
11..	59.98	59.08	19.4	30.5	97	68	Calm	N 2	8	8	......	63.70	61.88	22	29.8	82	60	N 1	NE 3	8	8	......
12..	60.23	59.24	20.5	31.7	98	57	Calm	WSW 2	10	9	.5	62.86	60.68	20.9	30.3	94	57	N 1	ESE 3	9	9	......
13..	60.86	59.90	19.5	30.6	98	62	Calm	N 2	9	8	......	62.29	60.87	19.5	31.3	96	54	Calm	SE 4	9	9	......
14..	62.39	61.51	18.4	30	97	62	Calm	N 3	9	9	......	62.39	61.12	19.2	33.2	98	53	ENE 1	SE 1	7	8	......
15..	62.87	61.57	18.5	29.4	98	70	Calm	N 2	8	9	......	63.07	61.60	18.1	27.6	96	73	Calm	NE 2	7	9	......
16..	62.79	61.25	21.8	29	97	63	Calm	NE 2	8	9	......	62.20	60.90	23.5	29.6	88	64	N 1	N 3	10	8	......
17..	63.79	62.73	18	29.5	97	54	Calm	NNE 4	8	8	......	61.13	59.12	22.9	30.9	90	62	Calm	N 3	8	8	......
18..	64.20	63.21	16.8	30.6	96	59	Calm	N 3	8	8	......	60.49	59.10	19	31	96	59	Calm	N 2	7	8	......
19..	64.51	63.07	16.3	29	97	58	Calm	N 3	9	8	.8	61.37	59.40	19.1	31.7	96	62	Calm	N 2	7	8	......
20..	63.91	62.24	21.8	27.6	91	60	NNE 1	N 2	9	8	......	61.80	59.25	20	30.5	97	65	Calm	N 2	8	8	......
21..	63.78	62.49	22.7	27.5	78	64	NNE 3	NNE 3	8	8	......	60.56	58.81	20.8	31.8	94	55	Calm	N 1	9	8	......
22..	63.72	62.63	17.8	28.3	96	47	Calm	NE 3	8	8	......	59.62	57.87	19.4	31.4	96	62	Calm	N 3	3	8	......
23..	62.85	61.67	20.1	27.5	86	66	N 1	N 3	7	8	......	59.88	58.53	20.3	32.2	97	58	Calm	N 3	9	8	......
24..	62.38	60.97	20.4	29	96	65	Calm	N 2	10	9	......	60.84	58.76	20.6	32.5	98	54	Calm	N 3	9	8	......
25..	61.68	60.76	22.5	28.3	96	75	Calm	N 2	5	9	......	60.92	59.41	18.6	31	98	50	Calm	N 4	9	9	3.8
26..	62.39	61.60	19.8	29.2	96	53	Calm	N 3	8	8	......	61.16	61.29	22.5	25.6	95	78	N 2	NE 3	9	9	......
27..	62.49	61.27	19.1	29	93	64	Calm	N 4	7	8	.5	61.94	60.66	18.7	28.1	98	65	Calm	NNE 2	9	9	......
28..	62.18	60.57	21.3	29	97	64	Calm	N 2	9	8	......	61.82	60.36	23.5	30.1	97	51	Calm	N 2	9	8	......
29..	62.20	61.32	19.5	31.4	93	41	Calm	SE 2	7	8	......	......	......	......	......	......	......	......	......	......	......	......
30..	62.32	61.42	15.4	27.4	96	72	Calm	NNE 2	3	9	......	......	......	......	......	......	......	......	......	......	......	......
31..	61.97	60.49	18.6	30.8	99	60	Calm	N 2	8	8	......	......	......	......	......	......	......	......	......	......	......	......
Mean	62.47	61.27	20.1	29.1	95.6	64.3	0.2	2.3	8.2	8.5	......	62.52	60.89	20	29.9	95.1	61.4	0.4	2.5	8.1	8.3	......
Total	......	......	......	......	......	......	......	......	......	......	20.2	......	......	......	......	......	......	......	......	......	......	14.5

Day.	MARCH.											APRIL.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	60.69	60.22	22.4	29	96	57	Calm	N 2	8	9	......	59.89	58.80	22.2	29.4	95	76	Calm	Calm	7	9	0.5
2..	60.85	60.41	18.5	30.1	96	65	Calm	N 3	8	9	......	60.23	59.56	21.5	34.2	94	54	Calm	NNE 3	8	9	......
3..	62.14	61.09	19.4	29.7	96	64	Calm	N 3	8	8	......	60.65	58.56	21.2	32.4	96	56	Calm	N 1	8	8	......
4..	62.54	61.37	19.5	30	94	54	NNE 1	N 3	8	9	......	59.66	58.30	20.8	32.8	94	53	Calm	NNW 1	8	9	......
5..	62.74	61.10	17	31.5	95	52	Calm	NNW 3	8	8	......	60.64	58.64	21.2	33.8	95	49	Calm	N 2	8	9	......
6..	62.30	60.74	16.5	30.6	96	60	Calm	N 3	8	8	......	60.89	59.21	20.7	34.5	94	46	Calm	N 2	9	9	......
7..	62.03	60.76	20.2	30.5	97	50	Calm	NNE 2	9	9	......	60.78	58.53	22.5	34.2	95	50	Calm	NNW 3	4	8	......
8..	61.81	60.05	18.6	31.7	91	53	Calm	NNE 1	7	8	......	59.28	57.22	20.4	33	95	57	Calm	N 2	6	8	4.6
9..	61.76	60	22.8	28.8	93	64	Calm	NNW 2	8	8	......	58.25	57.05	23.8	30.9	97	70	Calm	NNE 2	9	9	......
10..	61.94	60.30	22.2	33.1	96	50	Calm	NW 2	8	8	......	57.96	56.85	23	32.8	97	65	Calm	WSW 1	7	9	18.3
11..	62.20	60.58	18.8	27.4	96	68	Calm	NNE 3	8	9	......	58.46	57.11	23.9	27.3	97	85	Calm	W 1	9	9	3.9
12..	62.10	60 59	20.9	33.2	96	53	Calm	NNE 2	9	8	......	58.77	57.04	22.5	33.2	97	55	Calm	N 1	7	8	......
13..	62.09	60.60	19.1	31.3	98	54	Calm	N 3	7	7	......	59.10	57.20	21.4	35.6	96	47	Calm	W 1	8	9	......
14..	61.69	60.67	18.9	30.5	95	62	Calm	NNE 2	7	9	......	59.23	57.89	20.8	34.2	96	51	Calm	N 2	5	8	......
15..	62.06	60.81	21.4	31	96	61	Calm	N 3	8	8	......	59.99	58.18	22.7	35.4	93	45	Calm	N 2	9	8	......
16..	62.32	60.29	18.1	31	98	52	Calm	N 3	4	7	......	60.34	58.55	19.8	33.4	96	54	Calm	N 2	8	8	......
17..	61.58	60.92	22.2	30.4	92	59	Calm	N 2	9	9	......	59.71	58.26	20.6	31.5	96	63	Calm	N 2	4	9	......
18..	62.19	61.31	20.7	28.6	96	66	Calm	N 3	8	9	......	59.02	57.81	22.8	35.2	97	52	Calm	N 2	3	8	......
19..	62.81	61.27	20.5	31.5	98	65	Calm	NNW 3	9	8	......	60.51	59.29	21.4	32.5	96	62	Calm	N 2	4	8	......
20..	62.29	60.71	21.7	29	97	67	Calm	W 1	4	9	......	61.33	60.15	21.5	34.3	96	52	Calm	NNE 1	3	8	......
21..	61.36	59.52	19.6	32.4	96	42	Calm	SE 3	7	8	......	61.89	59.29	20.9	32.4	96	60	Calm	N 2	8	8	......
22..	61.19	59.23	18.3	33.9	96	50	Calm	NW 2	3	8	......	60.66	58.83	20.9	34.5	96	54	Calm	NNE 2	7	8	......
23..	61.13	59.29	23.3	32	93	61	Calm	NNW 1	10	10	......	61.45	59	21.5	34.4	95	51	Calm	N 2	6	8	......
24..	60 72	58.70	23.2	34.6	92	46	Calm	NNW 1	9	9	......	61.43	59.38	21.1	33.9	95	53	Calm	NNW 2	7	8	......
25..	60.57	59.29	18	31.5	95	59	Calm	NNE 2	8	9	......	61	58.85	22	31.2	96	66	Calm	NNW 1	8	9	......
26..	61.41	59.46	19.4	32.2	96	45	Calm	N 3	3	8	......	60.11	58.45	20.5	30.1	96	76	Calm	WNW 1	4	9	.3
27..	60.79	58.78	19.9	31.4	91	60	Calm	N 3	9	9	......	59.57	56.96	20 5	35	94	54	Calm	N 2	7	8	......
28..	60.64	59.28	21.4	28.5	95	69	Calm	NNE 3	8	9	......	59	56.88	22	36.9	96	39	Calm	NNW 1	8	8	......
29..	60.86	58.80	20.9	33.3	96	47	Calm	N 3	8	8	......	59.25	57.69	23.4	33.2	91	58	Calm	N 3	8	9	......
30..	60.04	58.16	20.5	30.4	95	65	Calm	N 2	4	8	......	59.87	57.94	22	35.1	95	49	Calm	NNW 2	6	8	......
31..	59.19	57.31	19.4	33.4	96	53	Calm	NNE 1	7	9	......	......	......	......	......	......	......	......	......	......	......	......
Mean	61.55	60.05	20.1	31	95.3	57.2	0	2.4	7.4	8.5	......	59.96	58.25	21.6	33.2	95.4	56.7	0	1.7	6.8	8.4	......
Total	......	......	......	......	......	......	......	......	......	......	0	......	......	......	......	......	......	......	......	......	......	27.6

NAGA, AMBOS CAMARINES

[φ=13° 37′ N; λ=123° 11′ E; barometer above sea, 5.67 meters; gravity correction not applied, —1.75 mm.]

Day.	MAY.											JUNE.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0–12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0–12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.95	57.45	20.2	34.8	94	48	NE 1	NNW 1	7	8	......	59.02	57.48	22.6	34.6	97	55	Calm	NNE 2	8	9	23.9
2..	60.23	57.55	23	35.5	83	49	Calm	N 2	8	8	......	57.76	56.19	23.3	30.5	97	74	Calm	SSE 1	8	9	.3
3..	59.70	58.02	21.4	33	95	49	Calm	NNE 3	8	9	......	57.38	55.65	22.2	34	96	58	Calm	N 2	7	8	......
4..	59.47	58.42	22	32.2	95	61	Calm	NNE 2	7	9	......	57.49	55.66	23.1	35.2	95	52	Calm	W 1	7	9	5.3
5..	60.42	59.76	23.9	28.5	86	81	Calm	N 3	7	8	4.4	58.17	56.74	23.6	33.5	97	60	Calm	NE 1	8	9	.2
6..	60.40	58.87	23	31.2	95	64	Calm	NNE 3	7	8	......	58.82	57.59	24	30.8	97	76	Calm	NE 2	8	9	......
7..	59.65	58.05	22.6	34.1	97	56	Calm	N 3	3	8	......	59.30	57.55	23.9	25.3	97	88	Calm	E 1	7	10	20.9
8..	58.87	57.64	22.6	34.1	97	55	Calm	N 3	9	8	......	57.96	57.26	23.9	29	96	83	Calm	N 2	9	10	24.1
9..	59.42	57.62	22.8	34	95	51	Calm	N 2	7	8	......	53.05	51.26	25.5	24.7	89	94	N 2	SSE 4	10	10	44.8
10..	58.87	58.20	22.6	25.5	93	89	Calm	S 1	7	10	24.7	54.91	55.44	25	25.7	97	94	S 2	SW 1	10	10	11
11..	57.95	56.68	22.5	29	97	78	Calm	SSE 2	7	10	17.8	55.55	55.07	25.2	29	93	78	SE 2	SSE 2	9	10	10.2
12..	57.77	56.91	23.9	25.8	97	90	SSE 1	Calm	8	9	27.5	56.06	55.62	25.8	29.2	88	76	SSE 2	SW 2	10	9	.8
13..	58.16	56.56	23.1	31.9	97	68	Calm	NW 2	8	9	......	57.10	56.35	25.6	33.1	93	60	SSE 1	S 2	8	8	4.6
14..	58.17	56.21	23.7	33.9	97	60	Calm	NW 2	8	9	......	57.46	56.36	25.2	32.1	90	66	S 1	SW 3	8	8	2.3
15..	57.17	55.73	23.8	35.5	97	49	Calm	SW 2	8	9	......	57.94	56.85	25.8	32.2	93	65	SSE 1	SW 2	9	9	......
16..	56.84	55.56	24.4	32	97	60	Calm	Calm	9	9	......	58.01	57.47	25	32	93	63	SW 1	SW 2	4	8	......
17..	56.97	.....	24	....	95	....	Calm	....	8	....	......	58.60	57.28	25.6	33.8	95	59	Calm	SSW 2	8	8	......
18..	56.90	55.18	24.8	35.6	97	....	Calm	SW 2	8	8	......	57.64	56.38	24.6	33.4	92	57	SSE 1	S 2	8	9	......
19..	57.78	55.66	25.4	35.7	93	49	Calm	SW 2	9	9	1	56.94	56.19	24.4	25.4	91	94	Calm	Calm	9	10	15.3
20..	59.16	56.73	24.5	33.8	94	60	Calm	SW 2	9	8	......	57.29	56.63	24.5	29.2	96	75	SE 1	SW 2	10	10	1.8
21..	59.15	57.50	25.7	34.9	96	59	Calm	S 1	9	9	5.1	58.12	57.30	23.9	32.6	96	61	Calm	SSW 2	8	8	......
22..	58.50	56.84	24.9	35.6	96	54	Calm	N 2	9	9	......	59.09	57.77	24.9	31	92	71	Calm	SW 1	8	9	......
23..	58.85	56.65	22.6	36.4	95	39	Calm	N 2	8	8	30.2	58.14	57.11	24.8	32	95	64	Calm	SW 2	8	9	......
24..	58.60	56.89	24.6	32.6	96	66	Calm	NE 2	8	9	.3	57.79	56.59	24.8	33.3	95	60	Calm	SSW 2	8	9	2.8
25..	58.73	56.84	25	34.6	97	60	Calm	SSW 1	8	9	......	57.19	55	24.5	32.4	94	60	Calm	SW 2	9	9	18.2
26..	58.07	55.88	24.4	35	97	58	Calm	WSW 1	9	9	......	55.56	55.10	24.3	25	97	95	Calm	S 1	10	10	86.9
27..	56.77	55.05	26.1	34.4	96	56	Calm	SW 2	9	9	.8	57.02	56.71	24.8	31.6	93	63	SE 2	S 2	9	8	......
28..	56.59	55.69	24.8	33	95	63	SSE 1	SW 1	9	9	......	59.10	57.54	24.5	34.2	96	57	Calm	SSW 2	8	8	18.8
29..	56.68	55.47	24.8	34	97	53	Calm	SW 2	9	9	......	59.49	57.25	23.4	31.2	97	68	SE 1	N 2	9	8	4.8
30..	57.57	55.88	24.2	33.4	97	61	S 1	W 1	9	8	......	57.07	56	24.9	25.2	96	93	NE 1	NE 1	10	10	13.2
31..	58.46	58.27	25.4	28.9	93	77	SSE 1	SW 1	9	9	......	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.45	56.93	23.8	33	95	60.8	0.2	1.8	8	8.7	......	57.50	56.38	24.5	30.7	94.4	70.6	0.6	1.8	8.4	9	......
Total	.....	.....	....	....	....	....	....	....	....	....	111.8	.....	.....	....	....	....	....	....	....	....	....	310.2

Day.	JULY.											AUGUST.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	54.62	53.15	23.5	27.1	96	90	Calm	SSE 1	10	10	69.8	54.30	53.99	27.8	31	80	68	SW 3	SW 4	8	8	......
2..	54.57	55.30	24.2	27	97	83	SSE 2	SSW 3	10	10	9.4	54.68	54.23	26.5	29.3	90	84	S 1	SW 2	9	9	4.7
3..	58.44	58.95	24.5	30.7	87	72	S 1	S 1	9	9	2.3	55.09	54.13	26.2	29.4	92	78	S 1	SW 2	10	9	29.5
4..	60.73	58.75	22.8	33.4	97	61	Calm	W 1	9	9	26.4	55	53.93	24.5	29.9	97	73	S 1	SSW 2	10	10	8.2
5..	59.70	58.78	22.8	28	97	85	Calm	NNE 1	8	9	......	55.51	54.88	25	29.5	93	76	SE 1	SSW 2	10	9	25.4
6..	58.98	58.51	23	29.5	97	79	Calm	N 2	10	9	.3	54.62	53.84	25.4	28.7	93	78	SSW 2	SSW 3	10	9	12.4
7..	59.94	59.22	23.5	30	96	77	Calm	S 1	8	9	......	53.38	51.66	24.5	29.6	96	77	SE 1	SW 4	10	10	15.7
8..	60.18	59.37	23	32	97	67	Calm	N 2	8	9	......	52	52.12	27.2?	28	84?	86	SW 3	SW 3	10	10	26.9
9..	59.55	58.03	23.2	33	96	64	Calm	NNE 2	8	8	......	53.20	53.14	26.8	28	87	82	SW 3	SW 2	10	10	......
10..	58.46	57.05	23.9	31.9	97	67	Calm	Calm	8	9	......	53.62	53.50	26.5	28.3	90	85	SW 2	SW 2	10	10	.6
11..	58.46	58.25	24	33.6	97	58	Calm	SW 1	7	8	......	53.36	52.45	26	26.5	92	91	SSW 1	SW 4	10	10	29.2
12..	59.74	58.40	23.9	31.5	95	69	Calm	NNE 1	8	9	5.3	52.64	52.58	26.7	27	86	87	SW 3	WSW 2	10	10	39.1
13..	58.92	58.15	23.5	32.6	97	66	Calm	NNE 2	9	9	......	54.11	54.86	25.8	27.9	93	84	SSW 3	SSW 2	10	9	17
14..	58.81	57.60	23.4	34.1	94	56	Calm	N 1	7	8	......	56.43	55.92	26.2	28.7	87	78	SSW 1	SSW 2	10	9	......
15..	58.20	56.80	23.5	33.7	97	61	Calm	SW 2	7	8	......	56.60	56.05	26	30.5	87	71	S 1	SSW 3	9	9	......
16..	57.70	56.25	23.4	34.3	96	59	Calm	SW 1	8	8	2	57.73	57.66	26	30.4	90	73	SSW 1	SSW 2	9	9	......
17..	58.23	56.93	23.2	34	97	55	ESE 1	SW 1	9	8	......	58.05	57.12	23.2	31.4	97	70	Calm	SW 1	8	9	......
18..	58.07	56.71	23	32.8	98	64	Calm	NW 1	9	9	......	58.09	55.87	24	31.5	95	73	Calm	N 2	8	9	5.6
19..	57.06	55.98	23.4	26.9	95	85	Calm	Calm	8	10	.3	56.36	54.71	23.9	29.4	96	81	Calm	NW 2	9	9	21.7
20..	56.42	56.43	23.3	25.6	97	88	SE 1	NNE 2	10	10	3.8	52.48	52.54	24.4	26.4	93	81	WSW 2	SSW 4	10	10	5.4
21..	56.01	54.97	22.5	30.6	97	77	Calm	N 2	9	9	6.1	57.02	57.10	24.5	30.6	91	70	SE 2	SSE 2	9	9	......
22..	55.86	55.05	23.9	30.8	97	73	Calm	NW 1	10	9	3.8	58.46	57.07	23.6	32	95	63	SE 1	SW 2	7	7	......
23..	55.85	54.87	23.1	30.2	97	75	Calm	SW 1	9	10	44.9	57.12	55.50	24.1	31.7	96	64	Calm	SW 1	8	9	......
24..	55.75	55.22	24	26.9	98	89	SSE 1	SSW 2	10	10	47.5	55.43	54.35	26	30.6	90	73	SW 1	SW 2	9	9	2.6
25..	56.76	55.83	24.4	30.4	97	74	SE 1	SW 2	10	10	.3	54.95	54.62	27	28.6	86	80	SSW 2	SSW 2	10	9	8.5
26..	56.16	54.15	24	30.8	98	73	SE 1	SW 2	9	9	......	56.29	58.42	24.2	23.6	93	93	SSE 1	SSW 2	10	10	8.1
27..	53.01	52.43	25.1	31	94	73	SW 1	SSW 2	9	9	14.9	58.64	57.42	24.1	30.3	96	68	Calm	SW 2	10	9	......
28..	53.72	54.19	24.9	28.2	96	80	Calm	SW 2	10	10	10.1	57.27	55.96	23.8	31.5	97	69	Calm	SW 1	9	9	6.1
29..	53.43	52.83	25.2	28.7	95	78	Calm	WSW 2	9	9	4.3	55.77	53.97	24	26.4	97	89	Calm	W 1	10	10	10.8
30..	53.12	52.25	25.2	31.6	97	71	S 1	SW 2	10	9	......	53.90	54.07	25.9	26.4	80	87	SW 2	SW 2	10	10	5.9
31..	53.58	52.97	27.1	31	85	69	SSW 2	SW 2	8	8	......	54.94	54.29	25.2	29.4	92	74	SSW 1	SSW 3	10	9	......
Mean	57.10	56.24	23.8	30.7	95.8	72.2	0.4	1.5	8.8	9	......	55.39	54.77	25.3	29.1	91.3	77.6	1.3	2.3	9.4	9.3	......
Total	.....	.....	....	....	....	...	....	....	....	....	251.5	.....	.....	....	....	....	....	....	....	....	....	283.4

NAGA, AMBOS CAMARINES

[$\phi = 13° 37'$ N; $\lambda = 123° 11'$ E; barometer above sea, 5.67 meters; gravity correction not applied, —1.75 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	56.05	55.11	24.8	29.4	88	68	SSE 1	SW 4	8	8	......
2..	57.70	57.33	24.1	32	94	64	Calm	SW 2	8	9	......
3..	58.79	58.60	23.1	32.1	96	61	Calm	SW 2	8	9	......
4..	59.60	58.01	22	32.8	96	62	Calm	N 2	7	7	......
5..	58.98	57.47	25.3	31.2	93	63	NNE 1	N 2	8	7	......
6..	58.15	56.86	23.9	31.3	95	68	Calm	N 2	8	9	......
7..	56.94	55.72	23.3	29.9	97	72	Calm	NNW 1	8	9	......
8..	56.27	55.76	23.1	29.8	96	73	Calm	N 1	8	9	16
9..	57.64	56.38	23.7	30.4	98	76	SE 1	N 1	10	9	8.6
10..	57.09	55.83	23.6	24.8	98	94	Calm	W 1	10	10	97
11..	55.37	55.18	23	26	98	92	Calm	NNW 1	10	10	5.6
12..	54.34	53.05	23.3	25.4	97	96	Calm	Calm	10	10	9.4
13..	54.18	53.93	24.5	28.9	97	80	Calm	SSW 1	10	10	4.7
14..	56.51	55.10	24.5	31.5	97	69	Calm	SW 2	9	8	.5
15..	56.96	55.91	24	31.2	97	68	SSE 1	SW 2	9	9	.8
16..	57.82	57.10	24.5	26.9	96	86	Calm	N 1	10	9	3
17..	59.52	58.80	24	28.2	97	82	Calm	SSW 1	10	10	6.4
18..	60.66	58.75	21.9	30.3	97	74	Calm	N 2	10	8	1.1
19..	60.18	58.46	22.6	30	97	70	SE 1	N 2	7	9	......
20..	59.35	57.66	22.3	28	97	82	Calm	N 2	8	9	4.9
21..	59.70	57.68	23.7	30.2	97	73	Calm	N 2	9	8	......
22..	59.65	58.50	22.8	30.1	97	66	Calm	N 2	8	8	......
23..	59.31	58.01	21	31.6	96	61	Calm	N 2	7	8	......
24..	59.15	58.39	20.9	31.2	95	61	Calm	N 2	8	8	......
25..	59.11	58.55	22.2	30.7	96	71	Calm	NE 2	3	9	2.4
26..	59.85	58.25	23.6	32.8	98	63	Calm	N 2	8	8	......
27..	59.17	57.90	22.2	32.1	96	61	Calm	NNE 2	9	8	......
28..	59.20	57.51	23	30.8	95	73	Calm	N 2	9	9	1.4
29..	59.22	57.50	22.2	30.4	96	69	Calm	ESE 1	7	8	......
30..	59.26	57.11	21	31.6	97	66	Calm	N 3	3	7	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.19	57.01	23.1	30.1	96.1	72.1	0.2	1.7	8.2	8.6	......
Total	.....	.....	....	....	....	....	....	....	....	....	161.8

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	58.40	57.05	22	30.5	96	71	NE 1	N 2	8	9	......
2..	57.35	55.95	23.5	31.8	95	59	Calm	N 2	8	9	......
3..	57.51	55.75	22.8	32.7	97	61	Calm	NNE 2	8	8	......
4..	57.90	56.02	23.9	32.3	96	68	Calm	N 1	9	9	23.6
5..	57.71	55.83	24	29.7	97	79	Calm	Calm	9	9	......
6..	57.77	56.05	23.1	31.7	97	68	SE 1	N 2	7	8	......
7..	58.30	57.05	23.9	27.1	94	90	Calm	Calm	8	9	27.2
8..	57.52	55.26	23.7	30.4	98	70	Calm	NW 1	10	9	23.7
9..	56.47	55.52	23.9	26.6	97	87	SSW 1	ESE 1	9	10	32
10..	57.07	56.37	23.9	28.5	97	83	SE 1	S 1	10	9	14.5
11..	58.32	57.15	23.4	32.4	97	64	Calm	S 1	9	9	.8
12..	60.14	58.50	23.7	32	98	70	Calm	N 2	9	8	.8
13..	59.93	58.07	25	30.5	97	78	N 1	N 3	9	8	28
14..	57.84	55.09	24.4	26.1	97	74	N 2	N 3	10	10	34.9
15..	56.32	54.92	24.4	30.5	97	71	Calm	SE 1	10	9	.3
16..	57.42	56.29	24	32.6	97	64	SE 1	S 1	8	9	......
17..	57.87	56.60	24	32.8	97	58	Calm	SSW 1	7	7	......
18..	57.50	56.26	24.1	29.3	96	83	Calm	N 1	3	8	6.9
19..	57.99	55.76	23.5	30.6	97	76	Calm	N 1	8	9	1.5
20..	58.29	.....	24.4	....	97	....	N 1	....	9	....	......
21..	.....	58.81	....	30	....	66	....	NNE 3	....	8	......
22..	59.91	58.13	21.7	30.5	96	68	Calm	NNE 2	9	9	......
23..	59.65	58.55	23	27.9	97	84	Calm	N 1	8	9	.8
24..	59.26	58.38	24.1	27.3	96	87	Calm	NE 1	8	9	2.5
25..	59.51	58.21	23.5	27.4	97	81	Calm	WNW 1	8	9	1.3
26..	60.05	58.47	22.6	29.2	98	78	Calm	Calm	8	9	1.3
27..	60.15	59.12	23.3	28.6	97	80	Calm	N 1	10	8	.3
28..	59.46	58.28	22.4	28.5	97	80	Calm	W 1	8	9	......
29..	59.12	57.51	23	29.4	98	75	Calm	NNE 2	8	8	......
30..	59.31	57.62	23.5	29.9	97	79	Calm	N 1	8	9	6.6
31..	59.17	57.52	23.5	29.8	97	84	Calm	N 1	10	9	.5
Mean	58.44	57	23.5	29.9	96.8	74.5	0.3	1.8	8.4	8.7	......
Total	.....	.....	....	....	....	....	....	....	....	....	207.5

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.59	58.70	23.5	26.9	97	88	Calm	NW 1	8	10	0.5
2..	59.99	58.69	22.3	27.4	97	87	Calm	NNE 1	9	9	3.3
3..	59.53	58.06	24.9	30.5	88	71	Calm	NE 1	8	9	1
4..	59.31	58.28	23.4	30.5	95	75	NE 1	NNE 2	9	10	1.8
5..	58.76	57.35	23.4	30.5	98	75	Calm	NNE 2	8	9	1
6..	58.56	56.95	23	31	98	69	Calm	NNE 2	8	9	......
7..	59.19	57.66	23.5	27.3	96	90	Calm	WNW 1	8	9	5.1
8..	59.40	57.77	23.5	27	97	90	Calm	N 2	9	8	5.8
9..	58.02	56.21	23.9	29.5	96	77	Calm	N 2	9	9	17
10..	56.92	55.59	23	26.8	98	92	Calm	Calm	8	10	5.6
11..	56.92	55.37	23.9	29.1	97	76	Calm	N 2	10	9	10.9
12..	57.11	56.32	24.1	29.6	97	75	Calm	N 3	9	9	.8
13..	57.49	57.19	24.4	28	95	79	N 2	N 3	9	10	16.5
14..	57.30	56.66	25.4	24.1	92	96	N 3	N 4	10	10	23.5
15..	57.21	56.13	22.3	23.2	96	96	N 2	N 2	10	10	26.7
16..	56.76	55.66	23.2	29.9	97	72	N 1	N 2	9	8	39.6
17..	56.34	54.37	23.9	24.8	96	93	N 2	N 3	10	10	41.8
18..	56.41	56.47	23.6	25.4	93	90	ESE 2	SSE 1	9	9	20.3
19..	58.42	57.27	22.6	30.3	98	67	Calm	N 1	10	9	1.3
20..	58.47	56.81	23.4	30.3	98	74	Calm	N 2	7	9	8.6
21..	57.65	56.26	22.6	30.2	98	74	Calm	W 1	8	9	51.6
22..	58.39	57.93	24	28	95	73	N 2	N 3	10	9	.5
23..	59.63	58.81	22.8	28.5	92	64	N 1	N 2	9	9	......
24..	60.11	59.59	22.7	26	92	73	N 2	N 2	9	9	......
25..	59.73	59.15	21.3	25.6	92	81	N 1	NNE 2	8	9	2.3
26..	60.05	58.30	22.1	26.7	95	86	Calm	NNE 2	8	10	10.6
27..	58.24	57.47	24.3	24.7	97	96	Calm	N 1	10	10	22.4
28..	59.42	58.87	23.6	28.7	97	74	W 1	NNE 1	10	9	4.3
29..	60.54	58.50	23.8	30.6	97	72	Calm	N 2	8	9	......
30..	59.31	58.27	24	29.8	95	75	W 1	N 1	9	8	7.4
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.49	57.36	23.4	28	95.6	80	0.7	1.8	8.9	9.2	......
Total	.....	.....	....	....	....	....	....	....	....	....	330.2

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.46	58.28	24.5	26.9	97	88	N 2	N 2	9	9	7
2..	59.52	58.64	24.2	28.1	95	78	NNE 1	NNE 3	9	9	17.5
3..	58.51	57.07	23.9	29	95	78	NE 2	NNE 2	9	9	10
4..	56.69	55.71	23.4	24.7	97	96	Calm	NNE 1	10	10	14.3
5..	56.43	55.70	23.2	27	98	90	Calm	Calm	9	10	10.9
6..	57.38	56.32	23	31.3	98	66	Calm	SSW 2	9	8	......
7..	58.51	57.11	23	32.4	97	66	Calm	SW 2	5	8	14.5
8..	59.03	57.90	22.7	30.2	97	75	Calm	NNE 2	9	9	......
9..	58.85	58.31	21.7	30.4	97	65	Calm	NNW 2	8	9	......
10..	60.10	58.63	21.5	26.4	97	84	SW 1	NNW 1	9	9	.5
11..	60.63	59.04	21.7	28.2	97	74	Calm	N 2	8	8	......
12..	59.31	58.50	21.4	26.6	98	83	Calm	SW 1	9	9	2.1
13..	58.85	57.20	21.4	24.7	98	92	Calm	Calm	8	9	25.6
14..	58.12	56.31	21.8	30.1	97	72	Calm	N 2	9	8	......
15..	57.98	57.49	23.1	27.9	99	84	SE 1	N 2	8	9	4.1
16..	59.23	58.74	21.8	25.4	96	92	NNE 1	Calm	8	9	8.9
17..	59.99	59.42	23.1	26.5	95	86	Calm	NNE 2	10	9	.3
18..	60.85	59.79	23.8	25	97	95	N 1	NNE 1	10	10	82.8
19..	61.73	60.90	22.4	24.6	98	97	N 2	N 1	10	10	4.9
20..	61.55	60.46	21.8	31	98	64	Calm	SSW 1	9	8	......
21..	61.85	60.88	20.3	30.1	97	64	Calm	NW 2	4	8	......
22..	61.49	60.12	21.6	30.5	95	66	ESE 1	N 2	8	8	......
23..	61	59.40	23	32.3	97	59	Calm	N 1	9	7	......
24..	60.24	58.62	21.4	31.4	96	70	Calm	N 2	6	8	2.3
25..	59.17	58.69	23.9	27	95	84	Calm	N 1	10	10	11
26..	59.98	58.57	21.5	29.7	97	69	Calm	N 1	8	8	......
27..	59.73	58.93	22.4	26.3	96	91	Calm	NNE 2	9	10	2.8
28..	59.82	58.42	23.7	31.8	97	72	Calm	NNW 2	9	8	11.9
29..	61.38	59.76	22.9	26	97	87	NNE 2	N 2	10	10	12.7
30..	62.24	61.83	22	23.2	95	84	NNE 3	N 3	10	9	2.6
31..	62.84	61.48	20.4	26	87	73	N 2	N 3	8	8	......
Mean	59.76	58.65	22.5	28.1	96.5	78.8	0.6	1.6	8.6	8.8	......
Total	.....	.....	....	....	....	....	....	....	....	....	246.7

BATANGAS[a]

[ϕ=13° 45′ N; λ=121° 03′ E; barometer above sea, 8 meters; gravity correction not applied, —1.75 mm.]

Day.	JANUARY.											FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.29	59.98?	23.7	30.3	89	66	E 1	SE 3	0	7	......	62.11	60.39	20.5	31.7	93	47	ENE 1	ESE 3	0	1	......
2..	61.67	60.24	23.2	28.1	93	77	ENE 1	SSW 1	2	9	......	62.65	61.52	20.8	31.5	91	43	ENE 1	SSE 2	1	0	......
3..	61.87	60.43	23.2	30.4	93	61	NE 1	ENE 2	10	10	10.9	63.92	61.87	20.2	31	92	50	ENE 1	ESE 2	0	0	......
4..	62.92	61.05	23.3	28	97	80	ENE 1	ENE 2	8	10	7.3	64.52	62.80	18.3	28.8	89	56	ENE 1	E 2	0	7	......
5..	63.11	61.88	23	29.6	95	64	NNE 1	ENE 3	10	10	......	64.87	63.31	20.4	27.4	94	67	ENE 1	E 3	3	10	2.3
6..	64.67	63.68	22.7	27	89	68	ENE 1	ENE 3	9	10	......	66.25	63.48	21.1	27	84	68	ENE 2	ENE 4	10	10	1.3
7..	63.50	.....	24	....	85	....	ENE 3	....	10	....	......	64.95	63.06	22.4	28	92	70	E 3	E 3	9	10	1
8..	63.36	60.38	22.8	29.5	93	60	ENE 1	ENE 3	7	10	......	64.07	62.13	21.1	31.8	94	50	ENE 1	SSE 2	0	4	......
9..	61.13	59.78	22.4	30.2	95	59	ENE 1	SSE 2	0	6	......	63.81	62.29	22.6	31.2	93	47	ENE 1	SE 2	0	3	......
10..	60.43	58.94	21.6	30.1	95	56	E 1	SSE 2	0	0	......	63.43	61.43	19.5	30	91	48	ENE 1	E 2	0	7	......
11..	59.76	58.75	20.4	30.5	93	53	ENE 1	SE 3	0	3	......	64.01	61.53	23.3	31.8	76	54	ENE 1	SSE 3	10	5	......
12..	60.73	58.80	21.6	30	89	62	ENE 1	WSW 2	1	4	......	62.81	60.64	21.8	31	85	53	ENE 1	ESE 2	3	10	......
13..	60.92	59.51	20.2	30.3	95	63	ENE 1	SSW 2	0	4	......	62.10	60.36	23.2	33.4	90	45	ENE 1	E 2	0	5	......
14..	62.52	61.51	19.8	28.2	94	....	ENE 1	ENE 2	0	9	......	61.92	60.89	22.7	32.3	89	40	ENE 1	ESE 2	0	1	......
15..	62.85	60.88	21	31.3	91	51	ENE 1	SE 2	0	0	......	62.87	61.07	24.3	32	81	54	E 1	ESE 2	1	4	......
16..	62.35	60.93	23.8	30.5	90	55	ENE 1	ENE 1	10	4	......	62.70	59.86	23.5	30.6	89	57	ENE 1	W 2	0	9	......
17..	63.77	62.35	20.8	30	92	51	NNE 1	ESE 2	0	0	......	60.97	59.39	23.5	30.7	84	57	NNE 1	SSW 2	9	10	......
18..	64.57	62.88	22.2	30.1	89	48	ENE 1	ENE 3	0	3	......	60.30	58.27	22.8	34	88	44	ENE 1	S 3	0	8	......
19..	64.62	63.09	20.4	28.4	91	53	NE 1	ENE 3	0	10	......	60.67	59.02	22.6	33	87	45	ENE 1	ESE 3	0	5	......
20..	63.92	61.70	22	29	91	57	ENE 1	E 3	1	10	......	61.39	58.43	22.4	32.7	91	43	ENE 1	SSE 3	0	1	......
21..	64.52	61.85	23.4	30	86	50	ENE 1	ENE 3	0	0	......	60.50	58.44	22.5	33	90	47	ENE 1	SSW 3	3	3	......
22..	65.52	62.01	21.6	29	84	41	E 2	E 3	0	1	......	59.48	57.58	23	34	87	47	ENE 1	S 2	0	3	......
23..	63.29	60.50	19.8	30	87	57	ENE 1	SSE 3	0	1	......	59.67	57.43?	24.1	32.5	84	49	ENE 1	SSE 2	0	1	......
24..	62.53	60.48	20.7	31.2	84	49	ENE 1	ESE 3	9	10	......	60.70	58.39	21.7	32.1	88	48	NE 1	SSE 3	0	10	......
25..	61.88	60.05	21	32	93	50	ENE 1	SSE 2	0	1	......	60.62	58.88	21.3	32.3	85	49	ENE 1	ENE 4	10	10	......
26..	62.60	61.15	23.8	31.2	85	47	ENE 1	ENE 3	0	9	......	61.40	60.50	22	32	86	47	ENE 1	E 3	10	10	......
27..	62.86	60.97	19.8	30	90	46	ENE 1	ENE 3	0	10	......	61.90	59.63?	24	32.9	78	40	E 1	ENE 2	1	10	......
28..	62.37	59.77	21.5	29.6	87	57	ENE 1	E 2	0	10	......	61.96	59.31?	21.6	34	95	40	NE 1	ENE 2	6	8	......
29..	61.81	60.83	23	31	84	45	ENE 1	E 3	4	1	......	.....	.....	....	....	....	....	....	....	....	....	......
30..	62.64	60.28	20	31	91	44	NE 1	S 3	0	2	......	.....	.....	....	....	....	....	....	....	....	....	......
31..	61.95	59.93	20	31.4	94	52	ENE 1	ENE 2	0	0	......	.....	.....	....	....	....	....	....	....	....	....	......
Mean	62.58	60.83	21.8	29.9	90.5	55.9	1.1	2.5	2.6	5.5	......	62.38	60.42	22	31.5	88.1	50.2	1.1	2.5	2.7	5.9	......
Total	.....	.....	....	....	....	....	....	....	....	....	18.2	.....	.....	....	....	....	....	....	....	....	....	4.6

Day.	MARCH.											APRIL.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.12	59.38	22	33.4	81	44	NNE 1	ESE 3	10	6	......	59.38	57.84	23	35	86	46	ENE 1	ENE 2	0	10	......
2..	60.85	60.24	22.2	32.5	81	44	ENE 1	E 2	3	2	......	59.84	59.53	23.5	29.5	90	68	ENE 1	ENE 2	2	10	39.6
3..	61.64	60.38	23.5	34	85	38	ENE 1	ENE 3	10	6	......	60.04	57.56	23.5	32	92	60	ENE 1	SSE 3	10	4	......
4..	63.06	60.34	23.7	33.7	85	34	ENE 1	ENE 2	3	1	......	59.14	57.81	24	32.1	91	57	ENE 1	S 3	8	10	......
5..	62.47	60.12	22.5	32.4	82	39	ENE 1	ENE 2	6	0	......	60.12	58.48	23.7	33.2	92	54	ENE 1	ESE 1	10	4	......
6..	61.97	60.06	22.4	32	82	40	NE 1	SSE 3	0	1	......	60.34	58.56	24.5	34.3	89	44	ENE 1	S 2	2	5	......
7..	61.27	59.96	21.8	33.5	88	41	NNE 1	SSE 3	1	4	......	60.27	58.03	23.5	33	90	48	NE 1	S 2	0	10	......
8..	61.85	59.46	23.4	31.3	84	44	NE 1	ENE 2	1	1	......	59.17	56.92	24	32.9	87	51	ENE 1	W 2	1	5	......
9..	60.80	59.47	24.7	31.2	76	52	ESE 2	ESE 3	2	10	0.5	58.55	56.59	25.4	33.5	81	55	NE 1	SW 2	8	10	......
10..	61.74	60.23	25.4	32	79	43	E 1	ENE 2	9	8	......	57.88	56.67	25.8	35.5	88	42	NE 1	ESE 2	8	8	......
11..	61.74	59.31	22.5	33.1	87	42	E 1	SE 3	0	1	......	58.07	57.06	25.6	34	87	54	ENE 1	S 4	10	10	......
12..	61.94	60.29	22.9	32.2	96	44	ENE 1	SSE 3	1	5	......	57.77	56.60	25.6	34.6	88	45	ENE 1	S 3	10	2	......
13..	62.12	59.98	23.1	33	84	45	ENE 1	ESE 2	1	5	......	58.37	56.79	26	34.5	83	37	ESE 1	S 3	0	0	......
14..	62.09	59.51?	24	33.5	84	43	E 1	S 3	0	2	......	58.48	57.22	24.5	35.5	87	43	ENE 1	S 3	0	2	......
15..	62.46	60.17	23.4	35.2	85	42	ENE 1	ESE 3	0	10	......	59.30	57.94	24.5	34.4	88	47	E 1	SSE 3	1	3	......
16..	62.65	59.98	23.9	31.5	89	54	ENE 1	S 2	0	3	......	59.90	57.50	25	34	87	50	ENE 1	S 4	0	3	......
17..	61.39	60.28	24	32.6	78	42	E 2	ESE 3	10	10	......	59.30	57.44	24.1	34.4	86	38	ENE 1	S 3	1	10	......
18..	62.22	60.51	24.8	33.4	81	40	ENE 1	ESE 2	0	4	......	59.22	57.36	24.8	34.4	87	48	ENE 1	S 3	0	2	......
19..	62.73	60.98	25.2	33.9	79	45	ENE 1	ESE 1	10	10	......	60.08	58.70	25.6	35.2	91	43	E 1	S 2	0	6	......
20..	62.35	59.97	25.6	32.5	78	51	E 1	SSW 3	3	9	......	61.10	59.11	26.1	36.7	85	36	ENE 1	ESE 1	0	4	......
21..	61.20	58.83	25.9	32.4	81	47	E 1	SSE 3	1	1	......	61.38	58.35	26	34.9	79	34	ENE 1	S 3	1	2	......
22..	60.46	58.61	23	34	89	34	ENE 1	S 3	5	0	......	60.37	58.16	24.5	35.5	84	38	ENE 1	S 4	1	1	......
23..	60.47	58.73	23.2	33.5	97	44	E 1	SSW 2	0	2	......	60.80	58.30	25.6	35.5	79	38	ENE 1	S 3	10	1	......
24..	60.70	58.01	23.7	35.2	84	38	ENE 1	SSE 3	0	1	......	60.93	58.35	24.4	33.6	82	46	NE 1	SSE 3	1	8	......
25..	60.19	58.34	23.1	36.3	86	38	ENE 1	SSE 3	0	1	......	60.71	58.09	25.4	35.4	80	43	NE 1	S 4	1	2	......
26..	60.92	58.88	22.5	34.5	82	35	ENE 1	ENE 3	0	1	......	59.43	57.60	24.5	35.7	84	41	ENE 1	SSW 3	7	5	......
27..	60.02	58.52	23.2	32.7	84	48	ENE 2	S 3	0	8	......	58.97	56.21	24.5	35	82	43	ENE 1	S 3	1	1	......
28..	60.06	58.13	23.2	35.1	86	39	ENE 1	SSE 3	3	6	......	58.65	56.09	25.4	35.8	84	41	ENE 1	SSE 3	2	1	......
29..	60.60	58.53	23.8	31.8	89	55	ENE 1	SSW 2	10	10	......	59.07	56.69	25.5	35	74	52	ENE 1	SSE 3	10	1	......
30..	59.55	57.83	23.4	33.7	84	42	ENE 1	ESE 2	0	8	......	59.25	57.36	26.4	34.5	89	50	ENE 1	SSW 3	10	2	......
31..	58.90	56.71	24.4	35.3	82	36	ENE 1	SSW 4	3	3	......	.....	.....	....	....	....	....	....	....	....	....	......
Mean	61.34	59.41	23.6	33.3	84.1	42.7	1.1	2.6	3	4.5	......	59.53	57.63	24.8	34.3	85.7	46.4	1	2.7	3.8	4.7	......
Total	.....	.....	....	....	....	....	....	....	....	....	0.5	.....	.....	....	....	....	....	....	....	....	....	39.6

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[a] The barometric readings of this station do not seem to be reliable; besides, they are too low.

BATANGAS

[φ=13° 45′ N; λ=121° 03′ E; barometer above sea, 8 meters; gravity correction not applied, —1.75 mm.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.22	57.19	25.5	34.5	80	45	ENE 1	S 2	0	0	......
2..	59.50	56.81	24.9	35	81	49	ENE 1	SSE 3	10	2	......
3..	59.13	57.46	25.1	33.4	79	49	NE 1	SE 2	10	10	......
4..	59.09	57.47	25.4	35.3	84	44	NE 1	S 2	1	7	......
5..	60.58	58.29	26.2	35.1	87	48	ESE 1	SSW 3	1	5	......
6..	60.20	58.09	27.3	36.2	78	41	E 2	SSE 3	0	3	......
7..	59.62	57.84	27.4	35.7	74	41	ENE 2	SSE 3	3	4	......
8..	58.52	56.99	26	35.6	82	41	ENE 1	SSE 3	1	2	......
9..	59.37	56.69	27	34.5	84	45	ENE 1	SSE 2	0	2	......
10..	58.95	56.91	26.8	33.6	75	46	SSE 1	SSE 4	10	10	......
11..	57.88	55.71	26.5	34	80	51	ENE 1	SSW 2	8	7	......
12..	58.20	55.45	26.9	35.5	81	41	E 1	S 1	0	4	......
13..	57.83	55.96	24.9	36.1	84	44	ENE 1	S 3	7	3	......
14..	57.66	55.97	25.5	36	81	44	E 1	SSW 3	10	10	......
15..	57.32	55.80	26.5	34	88	56	ENE 1	WNW 2	10	10	......
16..	57.14	55.70	27.2	33.2	83	58	NE 1	SSW 2	6	10	......
17..	57.02	55.12	26.4	35.5	85	49	ENE 1	W 2	5	9	......
18..	57.18	55.28	27.2	34.4	86	55	NE 1	SSW 2	4	10	......
19..	57.30	55.19	26.6	34.9	81	52	ENE 1	SSW 2	10	10	2
20..	57.90	56.15	25.2	34.3	92	51	ENE 1	SSW 1	10	10	6.4
21..	58.55	57.12	25.5	32.9	94	59	ENE 1	S 1	10	10	......
22..	58.55	56.71	25.8	32	91	66	ENE 1	SSE 1	9	10	......
23..	59.01	55.89	26	34.9	90	52	ENE 1	SW 2	10	4	10.4
24..	58.30	56.61	26.2	32.2	93	65	ENE 1	wsw 2	4	9	......
25..	58.59	57.22	26.4	30.2	94	73	NNE 1	NE 1	10	10	......
26..	57.68	55.54	25.3	31.4	93	68	NE 1	wnw 1	8	10	......
27..	56.90	55.08	25.9	31.5	93	59	NNE 1	W 3	10	10	.8
28..	56.77	54.49	26.3	35	88	55	NNE 1	SSW 2	10	10	2.8
29..	56.32	55.21?	25.9	33.8	92	57	NE 1	SSE 3	10	10	......
30..	57.04	56.18	25.5	33.8	92	58	ENE 1	SSE 2	9	10	4.6
31..	58.31	57.43	25.8	31	98	72	ENE 1	SE 3	10	10	2.3
Mean	58.25	56.37	26.1	34	85.9	52.7	1.1	2.2	6.6	7.5	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	29.3

JUNE.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.11	56.92	25.3	34.5	93	48	ESE 1	S 3	10	9	......
2..	57.67	56.30	26.5	33.2	88	53	ENE 1	S 3	2	9	......
3..	57.11	55.41	25.6	34.1	....	50	ENE 1	SSE 1	10	10	1.3
4..	57.45	55.65	25.4	33.6	97	55	ENE 1	SSW 2	6	7	......
5..	58.20	56.04	25.9	33	96	51	ENE 1	SSW 2	4	6	12.7
6..	58.87	56.61	25.4	34	97	50	ENE 1	W 2	10	10	......
7..	59.06	56.76	25.8	32.5	98	54	ENE 1	S 2	10	10	......
8..	58.47	57.45	25.3	26.2	97	90	N 1	N 1	10	10	13.7
9..	56.43	54.20	24.6	26.4	97	92	ENE 1	WSW 1	10	10	207.3
10..	52.83	53.69	24.3	25.5	97	88	SSW 3	SSE 2	10	10	39.3
11..	55.21	54.50	25	26.7	96	89	ESE 1	SSW 2	10	10	6.1
12..	55.57	54.50	25.8	29.7	93	78	ENE 1	SSW 2	10	10	11.4
13..	56.62	55.17	25.9	30.5	96	68	ENE 1	SSW 2	4	10	......
14..	56.44	55.13	26.2	32.7	93	57	ENE 1	W 2	1	1	......
15..	57.09	56.25	25.1	31.1	92	65	ENE 1	W 3	10	9	......
16..	57.47	57.54	25.5	31.9	98	64	ENE 1	WSW 2	4	9	......
17..	57.74	57.29	26	32	96	64	ENE 1	W 2	0	2	......
18..	57.47	56.74	25.5	31	98	67	NNE 1	W 3	8	10	......
19..	56.95	55.79	25.4	31.2	96	68	N 1	W 3	10	10	1.8
20..	56.90	56.22	24.7	31.2	98	67	NW 1	WSW 2	10	10	......
21..	58.35	56.95	26.2	32.5	98	61	WSW 2	WSW 3	10	1	......
22..	58.67	57.58	24.9	32.3	96	57	E 1	W 2	0	10	......
23..	57.75	57.49	25.8	32.5	93	57	ENE 1	WNW 2	10	6	......
24..	57.95	56.91	26	32.5	94	55	NNW 1	WSW 2	7	7	......
25..	57.87	55.22	26.3	30.2	93	70	WSW 1	W 2	10	10	16.8
26..	55.74	54.94	25.5	27	99	88	WSW 1	WSW 3	10	10	10.7
27..	55.99	55.37	24.3	32.1	98	61	NNE 1	WSW 2	10	8	......
28..	58.76	57.42	25.8	32.5	95	61	ENE 1	SSW 2	0	8	......
29..	59.63	58.35	25	27.5	98	68	ENE 1	N 2	0	10	20.6
30..	57.77	55.62	25.3	29.6	91	72	ENE 1	W 2	3	10	1.8
31..	.....	.....	.....	.....	....	....	....	....	....	....	......
Mean	57.37	56.13	25.5	31	95.6	65.6	1.1	2.1	7.0	8.4	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	343.5

JULY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	54.82	53.81	25.8	28.7	93	79	W 1	WSW 2	10	10	11.9
2..	55.12	54.98	24.8	26.1	93	86	W 1	S 2	10	10	15.5
3..	58.79	59.32	24.3	24.6	92	92	WSW 2	W 2	10	10	15.7
4..	59.86	58.77	25	31.3	92	64	ENE 1	NNE 1	10	8	......
5..	60.18	58.48	25.6	29.4	93	74	ENE 1	SSW 1	1	10	......
6..	59.07	58.27	25.8	26	95	94	ENE 1	NNE 3	3	10	......
7..	59.95	59.43	24.5	29.5	92	73	ENE 1	WSW 1	10	10	......
8..	60.18	59.18	25.3	31.8	93	63	ENE 1	WSW 2	2	7	......
9..	60.26	57.57	25.6	33	94	63	ENE 1	SW 2	0	7	1.5
10..	59.45	57.22	24.9	32.5	95	61	NE 1	WSW 2	2	5	......
11..	59.16	57.39	25.3	32.6	93	59	ENE 1	SSW 2	2	8	......
12..	59.39	57.96	24.5	33	97	60	ENE 1	SW 2	7	8	......
13..	59.38	57.37	24.9	32.4	96	61	ENE 1	ESE 2	4	10	1.8
14..	58.91	57.21	24.5	32.8	92	61	E 1	SSW 2	1	5	......
15..	58.16	56.37	25.1	32.5	93	63	ENE 1	WSW 2	3	10	......
16..	57.75	56.34	24.6	33	95	60	ENE 1	SSW 2	3	10	......
17..	58.17	57.42	25	30	96	73	ENE 1	WSW 2	10	10	......
18..	57.95	56.44	25.2	31.5	94	66	ENE 1	S 2	10	10	13.5
19..	57.43	55.76	24.6	28.8	93	82	ENE 1	WSW 2	4	10	6.6
20..	56.82	55.89	24.9	29.4	96	70	ENE 1	E 1	10	10	......
21..	56.87	54.69	25.2	30.4	97	72	ENE 1	wnw 1	8	10	28.7
22..	56.11	55.39	24.8	27.9	95	89	ENE 1	E 1	10	10	35.6
23..	56.11	55.36	24.6	26.7	96	83	SSE 1	ENE 2	10	10	......
24..	55.29	54.25	24.4	27.4	95	84	NE 1	W 1	10	10	2
25..	55.58	55.34	24.5	28.4	97	80	SSW 1	WSW 3	10	10	.5
26..	55.99	54.20	24.5	30.5	96	73	E 1	W 1	10	10	......
27..	53.06	52.90	27.1	27.5	81	85	W 1	WSW 2	10	10	63.5
28..	54.19	53.57	23.6	26.8	98	90	WSW 1	W 1	10	10	12
29..	53.43	52.67	25	27.4	93	85	SW 2	WSW 2	10	10	20.3
30..	53.30	52.25	27.2	30.5	81	75	WSW 2	WSW 2	10	10	8.6
31..	52.96	52.43	26.9	31.3	83	71	WSW 4	WSW 3	10	7	3.3
Mean	57.22	56.07	25.1	29.8	93.2	73.9	1.2	1.8	7.1	9.2	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	241

AUGUST.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	53.63	53.91	27.4	28	74	82	WSW 2	WSW 4	3	10	7.7
2..	54.86	54.09	26.1	28.9	94	74	SW 1	WSW 2	10	10	2.5
3..	54.90	54.28	26.8	28.4	86	85	wnw 1	W 3	10	10	5.8
4..	55.18	54.28	25	28	95	75	W 1	wnw 1	10	10	2.8
5..	55.70	55.01	25.6	27.5	95	84	WSW 1	WSW 2	10	10	52.6
6..	55.35	54.31	25	25	92	93	WSW 1	W 3	10	10	43.9
7..	52.68	51.80	26	27.8	90	86	WSW 2	SSW 4	10	10	36.1
8..	52.32	52.10	....	27.8	....	88	WSW 3	WSW 4	10	10	43.7
9..	53.32	53.06	25.6	27	95	90	WSW 3	WSW 4	10	10	41.7
10..	54.02	53.96	25.5	27.7	92	81	WSW 2	WSW 4	10	10	17
11..	53.47	52.68	26.8?	24.6	84?	95	WSW 3	WSW 3	10	10	22.4
12..	53.01	52.89	....	25.2	....	94	WSW 3	WSW 4	10	10	93.2
13..	55.10?	54.35	24.8	26.5	96	91	SW 2	WSW 1	10	10	43.9
14..	56.40	55.97	24.6	27	98	83	WSW 1	WSW 3	10	10	2.8
15..	57.36?	56.31	25.8	26.9	85	82	WSW 3	WSW 3	10	10	2.8
16..	57.76	57.45	26.2	30.3	94	71	WSW 2	W 2	10	10	......
17..	58.36	57.79	25.4	29.6	93	73	wnw 1	W 3	10	10	......
18..	58.08	56.45	26.5	30.5	86	71	W 1	W 3	10	10	......
19..	57.62	56.51	25.2	29.1	88	78	wnw 1	W 3	10	10	......
20..	54.62	52.17	26.5	27	84	86	wnw 2	WSW 5	10	10	58.7
21..	56.18	55.45	24.1	30.5	94	71	E 1	WSW 2	10	10	6.9
22..	58.07	57.09	24.7	31.4	92	63	ENE 1	NW 2	9	9	......
23..	57.68	56.54	24.3	30.1	93	70	NNE 1	W 3	7	10	......
24..	56.16	54.84	27.5	29.1	86	76	W 2	W 3	10	10	.8
25..	54.97	54.27	26.2?	25.7	85?	92	WSW 3	SSE 1	10	10	77
26..	55.89	57.38	24	25	96	94	NW 1	WSW 1	10	10	17.5
27..	57.83	56.90	23.2	25.8	96	84	E 1	WSW 3	10	10	2.5
28..	57.64	57.04	23.4	24.4	92	93	ENE 1	wnw 1	10	10	12.2
29..	56.52	55.12	25.2	28	93	82	wnw 1	W 2	10	10	14.7
30..	55.80	54.60	25	27.4	91	78	WSW 4	WSW 4	10	10	26.7
31..	55.80	55.11	26.4?	25.3	84?	89	WSW 1	WSW 2	10	10	14
Mean	55.69	54.96	25.5	27.6	90.4	82.4	1.7	2.7	9.6	10	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	649.9

BATANGAS

[φ=13° 45′ N; λ=121° 03′ E; barometer above sea, 8 meters; gravity correction not applied, —1.75 mm.]

Day.	SEPTEMBER											OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1	55.66	54.47	23.8	29.3	97	74	SSW 1	SW 3	10	10	3	58.68	56.79	21.3	31.1	93	64	ENE 1	SSW 2	0	9	5.1
2	56.92	56.89	23.7	31.3	92	68	ENE 1	WSW 2	10	10	......	57.74	55.87	23.1	30.8	95	66	ENE 1	SSW 2	0	3	11.2
3	58.85	58.54	23	30	95	73	E 1	WSW 2	10	10	......	57.81	55.79	25	30.3	95	72	NNE 1	W 2	10	8	......
4	59.67	58.29	23.5	31.5	92	75	NNE 1	WSW 1	1	1	.5	58.48	56.03	26.3	30.6	88	68	NNW 1	W 3	9	10	......
5	59.57	57.15	24	32	91	67	E 1	SSW 2	1	7	28.2	58.02	56.18	25.3	29.6	93	70	NNW 1	W 1	9	10	3.8
6	58.81	56.40	23.8	30.1	94	69	NNE 1	WSW 1	9	10	1.3	57.92	56.36	24.8	27.9	95	84	ENE 1	ENE 2	7	10	7.9
7	57.04	56.52	24.5	26.3	96	90	ENE 1	WNW 2	10	10	9.7	58.82	56.91	23.5	30.1	95	75	ENE 1	SW 1	10	10	10.2
8	56.96	55.96	24.2	30	94	72	NE 1	SSW 2	10	10	2.5	58.17	55.81	24.4	28	95	75	ENE 1	N 1	10	10	21.8
9	57.96	56.80	24.3	27.1	94	87	E 1	NE 1	10	10	9.4	56.43	54.66	24.3	28.9	94	75	NE 1	S 2	10	10	10.7
10	57.48	55.38	22.1	28	96	82	ENE 1	WSW 1	10	10	1.3	55.63	54.93	24	29	97	81	ENE 1	NW 2	10	10	11.2
11	56.32	55.52	24.5	25.8	98	93	ENE 1	WSW 1	10	10	7.4	57.52	56.68	24.2	29.7	97	75	ENE 1	NE 1	10	10	......
12	55.06	53.71	24.8	28.3	97	80	ENE 1	W 2	10	10	......	60.07	58.78	24.4	29.8	90	70	N 1	SSW 2	10	10	......
13	54.72	54.02	24.4	27.3	96	76	NNE 1	WNW 1	10	10	......	60.11	58.15	22.8	30.2	97	70	ENE 1	SW 2	10	10	......
14	56.92	55.44	25.2	29.8	97	71	ENE 1	SSW 2	2	10	......	58.61	56.36	24.3	26	90	92	ENE 1	E 1	10	10	26.2
15	56.99	56.04	23.5	29.6	94	75	ENE 1	SSW 2	8	10	......	56	53.99	24.7	30.1	92	68	E 1	ENE 3	10	10	20.6
16	58.04	56.45	24.8	31.5	93	64	ENE 1	WSW 2	10	10	81.5	56.72	55.41	25.4	28.8	93	76	ENE 1	E 2	10	10	4.6
17	59.24	58.23	23.7	28.4	92	74	NNE 1	E 2	10	10	......	57.32	56.18	24.4	31.2	96	73	ENE 1	SSW 1	8	10	......
18	60.85	58.45	24.5	31.4	96	63	ENE 1	ENE 2	10	10	......	57.71	55.97	24.2	31.4	94	67	ENE 1	W 2	0	5	......
19	60.11	58.22	24.2	31.7	94	60	ENE 2	ESE 2	10	10	......	58.42	56.21	24.8	32.4	85	60	NNW 1	W 2	0	10	17.5
20	59.07	57.29	23.6	30	92	69	NE 1	NNE 1	9	10	4.6	58.95	57.77	24.3	25.5	97	93	ENE 1	ESE 1	10	10	40.4
21	59.47	57.29	24.3	30.7	87	64	ENE 1	E 1	10	9	......	60.20	58.59	23.5	30.5	88	62	ENE 1	E 3	10	10	......
22	60.01	57.42	24.7	31.8	87	60	ENE 1	E 3	10	8	......	60.03	58.37	21.9	28.5	95	75	ENE 1	ENE 1	1	10	......
23	59.26	57.47	25.3	32.4	85	55	E 2	ENE 3	10	5	......	59.84	58.98	24.3	28.9	91	79	ENE 1	WSW 1	10	10	2
24	59.23	58	22.4	31.7	92	56	NE 2	ESE 3	1	10	......	59.54	57.93	22.1	27.1	95	89	ENE 1	E 1	1	10	8.1
25	59.26	57.75	23.9	32.1	88	56	NNE 1	ESE 1	5	2	......	59.48	57.71	24.3	28.1	91	83	ENE 1	W 1	10	10	1
26	59.62	58.01	24.5	33.3	93	55	NNE 1	ENE 2	1	9	......	59.89	58.05	23.4	29	94	76	NE 1	S 2	10	10	1.5
27	59.46	57.79	24.4	33.2	88	53	ENE 1	E 2	10	10	......	60.39	58.90	24	26	93	98?	ENE 1	SSW 1	10	10	2
28	59.45	58.02	25.1	25.8	90	89	ENE 1	W 1	10	10	19.6	59.77	57.90	23.6	31	95	67	ENE 1	SE 3	2	10	......
29	59.34	56.94	23.6	32	92	57	ENE 1	SSE 2	5	10	......	59.49	57.57	24.9	31	96	66	NE 1	E 3	10	9	2.8
30	59.59	56.88	24.6	31.3	88	63	NNE 1	ENE 1	2	7	......	59.26	57.12	25	29.6	92	77	NE 1	ENE 2	10	10	1
31	.....	.....	.....	.....	.....	.....	....	....	....	....	......	58.73	57.24	23.9	30.4	94	69	NE 1	ENE 2	10	10	......
Mean	58.36	56.84	24.1	30.1	92.7	69.7	1.1	1.8	7.8	8.9	......	58.57	56.88	24.1	29.4	93.4	74.7	1	1.8	7.6	9.5	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	169	.....	.....	.....	.....	.....	.....	....	....	....	....	209.6

Day.	NOVEMBER.											DECEMBER.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1	59.27	58.05	25.5	31.4	86	63	E 1	E 2	10	10	0.5	59.66	57.94	24.4	30	91	68	ENE 2	E 3	8	10	1.5
2	59.77	58.40	25.2	31	90	65	ENE 1	NE 3	10	10	......	59.97	58.18	24.5	29.5	92	69	E 2	E 3	10	10	......
3	59.55	57.56	24.7	32	92	60	ENE 1	E 2	8	7	......	59.04	58.03	23.6	25.1	92	91	ENE 1	NE 2	10	10	4.8
4	59.35	57.69	25.6	31.4	85	65	NE 2	E 3	10	10	......	57.53	55.17	23.3	27.9	95	77	ENE 1	ENE 4	10	10	......
5	58.82	57.02	25.6	32.1	92	63	ENE 1	E 2	10	10	......	55.75	54.74	25.5	27.9	86	78	ENE 2	ENE 3	10	10	2.1
6	58.31	56.46	24.4	31.3	87	66	ENE 1	ENE 2	1	8	......	56.46	56.06	25.3	29.7	89	70	ENE 2	SSW 2	10	9	.5
7	59.52	57.56	24	31.9	86	63	NE 1	ESE 2	10	5	......	58.27	57.15	24.6	30	95	73	ENE 1	SW 2	10	10	1.3
8	59.21	57.27	23.7	32.2	91	59	ENE 1	ENE 2	4	6	..	58.79	57.03	23.1	30.4	96	66	ENE 2	ENE 2	10	8	......
9	58.49	56.13	23.8	30.3	89	72	ENE 1	SSE 1	10	9	......	58.93	57.10	23	31.2	94	58	ENE 1	SSW 2	3	7	......
10	57.76	56.49	23.4	31.4	95	65	ENE 1	SE 2	0	3	1.5	60.04	58.31	23.3	31.8	92	44	ENE 1	S 2	10	10	1
11	57.42	56.16	24.9	31.1	87	64	E 1	SE 2	8	8	......	60.31	58.83	22.4	30.6	95	52	ENE 1	S 2	2	8	......
12	57.74	56.47	24.1	31.4	93	66	E 1	SSW 1	10	10	......	60.10	57.86	23.1	28.9	94	67	ENE 1	S 1	0	10	......
13	58.41	57.66	24.6	29.5	88	75	E 1	NNE 2	10	10	......	59.07	57.09	22.3	28	93	74	ENE 1	SSE 1	3	10	......
14	59.16	57.66	23.5	30	96	73	E 1	NE 2	10	10	......	58.58	57.01	23.2	28.9	93	65	ENE 1	SSE 1	10	10	......
15	59.61	57.34	25.4	29.4	95	76	ENE 1	NNE 2	10	10	......	58.63	57.63	23	26.4	95	82	E 1	SSW 2	10	10	.8
16	58.31	56.49	23.7	27.4	90	88	ENE 1	S 1	10	10	......	59.30	58.45	23.6	26.7	90	82	ENE 1	NE 3	10	10	.5
17	57.92	56.83	22.8	29.6	93	63	E 1	NE 1	10	10	7.4	60.32	59.56	22.8	28	90	71	NNE 1	ENE 2	10	10	......
18	56.18	54.42	23.9	23.8	87	92	NNW 3	NNE 3	10	10	46.5	61.32	59.55	24.4	28.3	88	72	ENE 2	ENE 2	10	10	.8
19	57.33	56.10	23.3	30.5	97	66	ENE 3	ENE 2	10	2	5.8	61.56	60.68	23.4	27.8	84	65	NNE 1	ENE 3	10	10	......
20	58.01	56.66	24.4	29.5	91	73	E 1	WNW 1	8	7	......	62.02	60.14	22.7	30.2	90	57	ENE 1	E 2	10	10	......
21	58.14	56.36	23.5	30.8	94	70	ENE 1	S 1	1	10	1.8	62.07	60?	23.1	30.5	98	52	ENE 1	ESE 2	9	10	.5
22	58.77	57.69	25	28.5	90	70	SE 1	SW 2	10	10	......	61.92	60.18	22.9	30	87	57	ENE 1	E 3	2	10	......
23	59.94	58.74	23.4	29	87	68	ENE 1	SE 2	10	10	......	61.17	59.52	21.4	30.5	92	55	ENE 1	SE 2	8	10	......
24	60.08	58.80	22.9	25.9	91	69	NE 2	E 3	10	10	......	60.32	59.53?	21.5	30	95	53	ENE 1	SE 1	1	7	......
25	60.62	58.82	22	27.4	86	68	ESE 1	ENE 2	10	10	2.5	59.26	58.56	20.4	27.5	95	82	ENE 1	SW 1	0	10	......
26	60.66	58.09	20.1	29.4	91	61	NNE 1	S 1	2	9	.5	59.94	58.79	20.8	27	87	82	ENE 1	ENE 2	10	10	2.3
27	58.89	58.12	22.2	26	95	87	ENE 1	ENE 1	10	10	2.8	60.60	58.99	23.2	28.2	92	76	ENE 1	ENE 2	10	10	......
28	58.64	58.49	25.1	31	90	66	E 2	S 3	10	9	......	60.07	59.58	21.4	29	95	70	ENE 1	ENE 1	7	10	2.3
29	60.27	58.58	24.7	27.7	86	79	NE 2	ENE 2	10	10	3.3	61.59	60.22	23.8	25.4	84	86	E 2	ENE 2	10	10	.8
30	59.56	58.58	24.8	29.1	87	75	ESE 1	ENE 2	10	10	3.5	62.77	61.36	22.3	26.1	83	62	NNE 1	ENE 2	10	10	......
31	.....	.....	.....	.....	.....	.....	....	....	....	....	......	62.91	60.94	22	27	69	59	ENE 2	ENE 3	10	6	......
Mean	58.86	57.36	24	29.7	90.2	69.7	1.3	1.9	8.4	8.8	......	59.94	58.52	23	28.7	90.7	68.2	1.3	2.1	7.8	9.5	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	76.1	.....	.....	.....	.....	.....	.....	....	....	....	....	19.2

LUCENA

[$\phi = 13°\ 56'$ N; $\lambda = 121°\ 37'$ E; barometer above sea, 8 meters; gravity correction not applied, —1.74 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.58	60.90	22.9	28	92	78	N 1	N 3	4	5	......
2..	61.61	60.93	24.3	27.5	91	80	Calm	NE 3	1	6	......
3..	62.29	61.19	25	27.6	88	79	NE 1	NE 3	10	9	18.3
4..	62.86	61.60	23.6	27	94	81	N 1	NE 3	7	9	21.1
5..	63.20	62.40	23.3	28.4	95	72	N 1	N 3	6	6	1.6
6..	65.02	64.44	23.1	24.5	95	82	NE 2	NE 5	10	8	5.1
7..	63.78	62.29	23.4	26	92	91	NE 2	NE 3	10	9	3.3
8..	62.96	61.94	23	25	95	95	NE 1	NE 3	7	9	18.8
9..	61.04	60.34	23	28.6	94	75	NE 1	SE 2	4	9	......
10..	60.87	59.38	21.4	29	95	71	NNE 1	NE 2	2	5	......
11..	60.02	59.54	23.4	29	90	69	NE 1	S 2	1	3	......
12..	60.15	59.57	21	28.6	92	66	N 1	SE 2	2	3	......
13..	60.57	59.67	20.9	28.5	94	75	N 1	SE 2	3	4	......
14..	62.26	62	21	27.2	95	73	NE 1	NE 2	10	4	3
15..	63.03	61.57	20.4	29.5	96	65	N 1	N 2	5	5	......
16..	62.70	61.99	23.6	28.1	95	70	N 2	NE 3	10	5	......
17..	63.95	63.33	21	28	93	62	Calm	N 4	1	4	......
18..	64.59	64.03	21	28.5	91	60	N 1	NE 4	4	4	......
19..	64.78	63.92	22	27.1	90	69	N 1	NE 3	3	9	1
20..	64.42	62.67	21.4	28.2	93	62	NE 1	NE 4	7	5	6.9
21..	64.04	63.04	22	27.5	93	64	Calm	N 4	3	5	......
22..	63.72	63.03	20.5	27.5	91	58	N 1	NE 4	4	5	......
23..	63.01	62.02	19.1	27.5	90	60	N 1	NNE 4	2	1	......
24..	62.47	61.09	22	29	91	65	Calm	NE 3	7	4	......
25..	62.06	61.12	23	29	91	64	Calm	NE 3	1	3	......
26..	62.44	62.10	21.7	28.2	96	52	Calm	NE 4	4	4	......
27..	62.96	62.07	19.5	28	94	51	N 1	NE 4	4	5	.3
28..	62.01	61.10	22.7	28.5	94	67	Calm	NF 3	6	6	......
29..	62.14	61.94	22.5	28.3	93	61	Calm	S 2	10	4	......
30..	62.05	61.77	19.5	28.6	94	56	N 1	NE 2	4	4	......
31..	62.10	60.91	21.2	29	93	64	N 1	S 2	2	2	......
Mean	62.60	61.74	22	27.9	92.9	68.9	0.8	3	5	5.3	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	79.4

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	62.70	61.36	20.5	29.5	96	59	Calm	SE 2	1	3	......
2..	63.31	62.06	21.9	28.8	96	53	N 1	SE 2	4	1	......
3..	64.10	62.61	20	29	97	54	N 1	NE 3	5	5	......
4..	64.54	63.58	20.9	28.9	82	47	N 1	NE 4	3	1	......
5..	65.19	64.23	22	23.8	89	90	N 2	NE 4	9	9	25.2
6..	66.09	64.33	22	25.9	91	76	NE 2	NF 4	9	9	19.5
7..	65.87	64.54	22.2	25.6	93	92	NE 2	NF 4	9	9	9.2
8..	64.89	63.59	22.4	27.3	96	74	NNE 1	NE 3	6	7	......
9..	64.72	63.17	21.5	28.5	95	58	NNE 1	NNE 4	4	4	......
10..	63.89	62.03	22	28.5	88	63	N 1	NF 4	1	4	......
11..	63.86	62.13	23	28.5	82	57	N 1	NE 3	8	4	......
12..	63.49	61.42	22.5	27.7	89	73	NE 2	NNE 3	7	5	......
13..	62.46	61.01	23.6	29.4	90	68	N 2	NNE 3	1	6	......
14..	62.41	61.73	22.6	29.6	96	63	Calm	NE 2	1	6	......
15..	63.46	61.98	23	28.5	91	68	N 1	NNE 4	3	4	......
16..	62.75	60.89	23	30.5	91	63	NE 1	NE 3	9	5	......
17..	61.04	59.71	21	29.2	96	66	NE 1	E 3	3	7	......
18..	60.41	59.36	21.5	28.5	95	73	N 1	NE 3	1	7	......
19..	61.41	59.81	22.2	29.5	95	56	N 1	SE 2	4	4	......
20..	61 97	59.47	22	29	96	62	N 1	SE 2	3	2	......
21..	60.75	59.22	23	30	92	56	N 1	SE 2	9	3	......
22..	59.63	59.15	22	30.1	91	65	N 1	SE 2	4	3	......
23..	59.75	58.76	23	31	96	59	N 1	E 2	2	3	......
24..	60.62	59.07	22	30.5	95	60	Calm	E 1	4	4	......
25..	60.06	59.66	24.3	29.3	86	59	NE 1	NE 4	8	8	......
26..	61.21	61.23	22.8	27.1	80	70	NNF 2	NE 4	9	9	......
27..	62	60.96	21.5	29.5	91	59	NE 1	NE 4	4	6	......
28..	62.01	60.44	23	29.7	90	48	NE 1	E 4	7	4	......
29..	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
30..	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
31..	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
Mean	62.66	61.34	22.2	28.7	91.6	64	1.1	3	4.9	5.1	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	53.9

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.16	60.66	22.1	29.2	90	52	NNE 2	NE 4	3	3	......
2..	60.96	60.77	21.7	29	87	57	NE 1	NE 4	3	4	......
3..	61.84	61.34	23.4	30.5	92	50	NNF 1	NE 4	7	5	......
4..	62.34	61.81	22	29	93	52	NE 1	NE 4	4	6	......
5..	62.52	61.89	19	30.5	97	44	Calm	NE 3	3	2	......
6..	62.51	61.09	20.5	29.5	94	46	N 1	S 3	3	4	......
7..	61.96	60.76	22.6	30	94	51	Calm	NNE 4	2	4	......
8..	61.99	60.73	24	28.6	81	56	N 1	NE 4	4	7	......
9..	61.95	60.94	23.4	30.4	92	55	NE 1	NE 4	9	6	4.6
10..	61.54	61.38	23.6	30.5	95	53	NE 2	NE 4	7	4	......
11..	61.96	60.96	22	31.1	92	46	NE 1	NE 4	5	3	......
12..	62	61.38	23	31.7	90	55	N 2	NE 3	9	6	......
13..	61.95	61.23	23.5	31.3	88	45	NE 1	NE 4	5	1	......
14..	61.53	60.92	23.2	31.5	90	53	Calm	N 3	3	4	......
15..	61.94	61.25	23.5	32	90	50	NNE 2	NE 4	2	2	......
16..	62.06	61	22	31.1	92	44	N 1	NE 4	5	1	......
17..	61.86	61.19	23	30.9	92	43	N 1	NE 4	10	6	......
18..	62	61	24	31.8	88	50	N 1	NE 4	3	4	......
19..	62.56	61.82	24	30.5	88	59	N 1	NF 2	4	7	......
20..	62.12	60.98	25.3	31.4	85	54	N 1	E 3	7	7	......
21..	61.06	60.36	22.6	30.5	96	56	Calm	S 3	2	3	......
22..	60.76	59.78	22.6	31.4	95	52	Calm	SE 2	7	1	......
23..	60.91	59.81	21.9	31.7	95	49	N 1	SE 2	1	1	......
24..	60.76	59.11	22.8	31	92	60	Calm	SE 2	3	2	......
25..	60.54	59.09	23.2	34	89	47	N 1	NE 3	1	1	......
26..	61.35	59.90	23.1	31.6	94	48	NE 1	NE 5	4	4	......
27..	60.40	59.10	24.8	31.8	83	53	NE 2	NE 4	4	4	......
28..	60.93	59.15	25.2	32.8	86	51	N 1	N 3	3	4	......
29..	60.93	59.30	24.8	32.7	89	46	NE 1	NNE 4	7	4	.3
30..	59.93	58.53	24.6	29.5	84	68	NE 1	NE 1	2	7	1.3
31..	59.43	58	24.6	30.5	87	62	N 1	SW 3	4	2	......
Mean	61.48	60.49	23.1	30.9	90.3	51.8	1	3.4	4.4	3.8	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	6.2

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.85	58.87	23.6	31	87	62	N 1	SE 2	5	5	......
2..	60.27	59.94	25.8	30.9	84	69	N 1	N 2	6	8	23.6
3..	60.44	58.98	25	31	88	62	N 2	S 3	9	7	......
4..	59.77	59.13	24.9	30.5	88	62	N 1	S 2	8	7	......
5..	60.73	59.20	26.1	31	83	62	N 1	S 2	8	4	......
6..	60.82	59.78	25	31.2	89	55	N 1	SE 2	6	5	......
7..	60.83	58.86	24.5	31.5	89	59	N 1	SSE 2	1	4	......
8..	59.49	57.54	23.5	33.5	92	51	Calm	ENE 2	4	4	......
9..	58.52	57.38	25.5	28.2	88	83	N 1	ENE 2	7	7	3.8
10..	58.44	57.15	25.5	31.7	93	59	NE 1	SE 2	7	3	......
11..	58.81	57.51	25.6	32.6	95	61	N 1	S 2	5	8	......
12..	58.71	57.80	27	32.7	88	52	NNE 1	S 2	6	3	......
13..	58.99	57.91	23.5	31.5	94	48	N 1	S 2	3	3	......
14..	58.99	58.12	25	31.5	89	57	N 1	S 3	2	2	......
15..	59.82	58.77	24.8	31.5	89	60	N 1	S 3	2	4	......
16..	60	58.77	25.8	33.9	88	43	N 1	NNE 3	9	1	......
17..	59.45	58.10	23.4	31.6	92	56	Calm	S 2	2	8	......
18..	59.32	58.30	25.1	31.6	91	62	N 1	S 3	7	4	......
19..	60.43	59.69	25.4	32.2	92	54	N 1	N 4	3	5	......
20..	61	60.27	25	33.9	90	48	N 1	ENE 3	9	4	......
21..	61.64	59.07	25	32.9	88	50	N 1	NE 3	3	5	......
22..	60.43	58.85	24.7	33.4	90	51	N 1	SE 2	3	4	......
23..	60.99	59.01	25.9	31.9	81	57	NNE 2	SE 3	5	4	......
24..	61	59.63	26.3	31.9	83	51	N 1	S 2	4	4	......
25..	60.98	59.07	24	32	91	52	N 1	SF 2	3	4	......
26..	60.02	58.77	24.9	31.9	89	55	N 1	S 2	2	4	......
27..	59.47	57.80	26.7	32.3	83	54	N 1	S 3	2	3	......
28..	59.01	57.72	25.7	31.9	90	58	NE 1	S 3	6	2	......
29..	59.01	57.77	26.5	35.4	81	33	N 1	NE 3	9	2	......
30..	59.73	58.34	26.2	33.5	88	44	NE 1	E 3	5	4	......
31..	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
Mean	59.90	58.60	25.2	32	88.4	55.7	1	2.5	5	4.4	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	27.4

LUCENA

[φ=13° 56′ N; λ=121° 37′ E; barometer above sea, 8 meters; gravity correction not applied, —1.74 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.94	57.99	26	32.5	85	48	N 1	SE 3	4	1	......
2..	60.35	58.26	25.5	34	86	49	N 1	NE 2	4	4	......
3..	59.89	58.80	25.1	33.5	89	42	N 2	NE 5	5	4	......
4..	59.79	58.85	25.7	33.5	86	49	N 2	NE 4	2	7	......
5..	60.80	59.12	26.4	33	83	48	N 2	NE 4	4	7	......
6..	60.40	58.95	26	33.6	87	52	N 1	NE 4	4	6	......
7..	59.72	58.17	25.5	32.5	88	57	N 2	NE 3	4	6	......
8..	58.89	58.10	26.8	32.2	82	53	N 2	SE 3	3	5	......
9..	59.89	58.07	25.8	32	88	58	N 2	S 3	4	6	5.6
10..	59.08	58.05	25.4	31	88	69	N 1	SE 3	5	8	......
11..	58.35	56.82	24.9	31.6	88	62	N 1	SE 2	4	4	1.3
12..	58.64	57.31	26	31.5	92	65	N 1	SE 2	5	4	......
13..	58.01	56.99	26	32.2	89	60	N 1	SE 2	7	3	......
14..	58.05	56.98	26.4	31.8	87	62	Calm	SE 3	4	6	......
15..	57.29	56.43	25.1	29.6	84	67	N 1	N 3	7	9	......
16..	56.80	55.96	24.6	31.5	90	66	N 2	SE 2	6	7	......
17..	57.04	55.91	25.7	31	86	69	N 1	SE 2	5	7	......
18..	56.94	55.79	26.8	32	83	61	N 1	S 3	5	4	......
19..	57.46	55.95	25.7	32.5	86	62	N 1	SE 2	10	6	24.1
20..	58.69	56.96	25	31.5	95	64	N 2	S 2	10	4	10.5
21..	58.79	57.81	25.4	31.8	91	67	N 1	SE 2	10	7	......
22..	58.70	57.07	26	32.2	88	64	N 1	SE 1	8	9	......
23..	58.72	56.70	25.5	32.8	92	60	N 1	SE 2	5	3	......
24..	58.60	57.49	24.6	32.7	90	64	N 1	S 2	6	4	......
25..	58.41	57.74	25.6	25.7	91	91	NW 1	N 2	7	8	9.4
26..	58	56.53	24.4	30.2	92	74	NW 1	W 2	8	9	......
27..	56.57	55.30	24.5	31.1	94	68	N 2	S 1	6	7	......
28..	56.01	55.58	25.1	31.2	94	68	N 1	SE 1	5	4	8.6
29..	56.58	55.98	25.4	31.1	94	72	NW 2	SE 1	10	8	9.7
30..	57.03	56.54	26.1	31.2	90	69	N 1	SE 2	6	5	2.3
31..	58.54	58.03	25	30.7	94	70	NE 1	ESE 1	7	6	......
Mean	58.45	57.23	25.5	31.7	88.8	62.3	1.3	2.4	5.8	5.7	......
Total	....	......	......	......	......	......	....	....	.....	....	71.5

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.38	57.81	25.9	32.2	91	53	N 1	SE 3	6	4	......
2..	57.96	56.73	25.8	32	93	60	N 1	SE 2	5	6	......
3..	57.34	55.70	25.1	33.5	95	48	N 1	NNW 3	6	4	......
4..	57.06	56.02	26.5	32	83	61	N 1	SE 2	5	4	......
5..	57.96	56.93	26.5	33	84	54	N 1	NE 3	4	4	17.8
6..	58.70	57.20	26.2	32.4	94	66	NE 1	SE 3	10	7	8.6
7..	59.29	57.43	25.1	31.2	86	73	NE 1	SE 2	9	8	2.8
8..	58.36	57.68	25.9	27.7	88	83	N 1	NE 2	8	10	17.8
9..	55.77	53.40	24.5	26	94	92	SW 2	W 2	10	10	136.7
10..	53.11	54.36	24.5	26.5	96	85	SE 4	S 3	10	10	47.2
11..	55.25	54.59	25	27.1	92	87	SE 1	SW 2	10	10	12.2
12..	55.47	55.04	....	29.5	....	79	SSE 2	S 4	9	7	.3
13..	56.26	56.48	26	30	95	77	S 1	S 3	5	5	......
14..	56.93	56.42	25.8	30.7	93	67	E 1	SE 2	9	5	......
15..	57.46	56.56	27	32	84	60	Calm	S 2	7	5	......
16..	57.79	57.86	25.8	32	89	54	Calm	W 3	5	5	......
17..	57.91	57.31	24.5	31	91	67	Calm	S 2	3	4	......
18..	57.45	56.44	24.8	29.8	86	73	N 1	W 3	3	7	......
19..	56.67	55.71	23.7	30.1	92	70	N 1	SW 2	7	9	6.4
20..	57.02	56.55	23.7	28.5	94	81	N 1	S 2	9	10	......
21..	58.06	57.57	24.3	30.8	92	64	NW 1	SW 2	2	4	......
22..	58.98	57.99	25.1	32.5	83	51	SW 1	W 4	2	8	......
23..	58.70	56.98	24.3	33	91	55	SW 1	W 3	4	5	......
24..	57.63	56.46	26.5	32.7	80	52	wbys 1	W 3	4	7	......
25..	57.04	55.30	26.1	31.6	81	60	NW 1	W 4	4	9	......
26..	55.53	54.69	25.3	28.4	91	75	Calm	W 3	10	10	2.5
27..	56.68	56.36	24	30	97	75	SW 1	SSE 4	10	4	9.1
28..	58.69	58.16	27.1	31.4	87	61	SSE 2	SE 2	4	4	......
29..	59.64	57.85	24.6	32	91	57	N 1	W 2	1	6	......
30..	57.81	56.02	22.5	30.4	96	72	N 1	NE 1	7	9	5.1
31..	......	......	......	......	......	......	....	....	.....	.....	......
Mean	57.40	56.45	25.2	30.7	90	67.1	1.1	2.6	6.3	6.7	......
Total	......	......	......	......	......	......	....	....	.....	....	266.5

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	54.17	53.34	24	28.6	97	78	Calm	W 2	10	10	2.8
2..	54.19	54.77	23.6	25.5	93	87	SW 1	S 2	10	10	......
3..	57.12	59.09	24	27.8	92	80	Calm	SSE 1	10	10	1.3
4..	60.03	59.23	24	29.5	94	74	Calm	SSE 1	9	4	......
5..	59.98	59.03	23.5	30.1	93	71	Calm	E 1	5	9	......
6..	59.43	58.58	24.7	30.1	96	73	N 1	SE 2	7	9	......
7..	60.99	59.96	24.5	30.1	87	69	NNW 1	SSE 2	6	6	......
8..	60.40	59.95	26	31.3	86	68	N 1	SE 1	4	5	1.5
9..	59.50	57.95	26	31.5	88	66	Calm	SE 2	5	4	.3
10..	58.62	57.22	23.5	32.4	93	56	N 1	SE 2	2	4	......
11..	58.01	57.45	24.5	31.7	92	65	NW 1	SSE 2	2	4	......
12..	59.64	58.40	24	31.5	90	63	N 1	SW 3	4	4	......
13..	59.09	57.99	25.2	33.5	90	56	N 1	E 2	3	4	......
14..	59.02	57.56	26	31.9	81	63	N 1	S 2	3	4	......
15..	58.01	56.75	24	31.5	89	63	N 1	S 2	2	5	......
16..	57.93	56.77	23.3	28.5	93	70	Nbyw 2	NNW 3	5	9	......
17..	58.06	57.05	23.7	31.3	90	67	N 1	S 3	9	7	......
18..	57.81	56.98	24.3	30.5	90	70	N 1	SSE 2	8	7	......
19..	57.47	56.78	24	30.5	91	66	N 1	NE 3	5	10	2.8
20..	56.60	56.34	23.4	27.5	93	81	Calm	NE 3	9	10	5.1
21..	56.65	55.43	25	30.4	93	66	NE 1	NE 3	5	10	1
22..	56.01	55.54	25.1	28.8	95	77	NE 1	ENE 1	9	9	......
23..	55.96	55.41	24.5	27	96	84	Calm	N 2	9	10	4.6
24..	55.51	54.57	23.6	30.2	96	71	Calm	SE 3	9	8	15.2
25..	55.96	55.47	24.7	30	98	78	Calm	S 3	10	9	5.6
26..	56.39	54.47	25	29.5	96	74	Calm	SE 2	10	9	......
27..	53.24	52.33	26.6	29.5	77	65	WSW 1	W 4	10	9	25.4
28..	54.24	54.01	23.7	26.5	98	93	SW 1	SW 2	10	10	6.1
29..	53.06	53.17	25	25.5	92	92	WSW 2	W 1	10	10	57.7
30..	53.07	52.21	25	29	96	76	Calm	W 3	10	9	2.5
31..	53.08	52.42	24	31.1	87	59	WSW 2	SW 4	7	8	......
Mean	57.07	56.33	24.5	29.8	91.7	71.6	0.7	2.2	7	7.6	......
Total	.....	......	......	......	......	......	....	....	.....	....	131.9

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	53.89	53.68	27	29.5	75	70	SW 3	WSW 4	4	8	......
2..	54.81	54.04	25.8	30.1	86	71	SW 2	SW 4	9	9	......
3..	55.04	53.99	25.5	30	97	74	SW 1	SW 3	10	9	7.1
4..	54.94	53.99	26	28.8	81	72	SW 2	WSW 4	10	9	......
5..	55	54.89	26	27.7	82	83	Calm	SW 1	10	10	32.5
6..	54.43	54.04	23.9	27	94	80	SW 2	SW 4	10	10	17.3
7..	52.25	51.47	24.9	25.5	87	91	SW 3	SW 4	10	10	55.8
8..	52.07	52.01	25.5	28	93	81	Calm	WSW 4	10	10	15.2
9..	53.21	53.33	25	26.5	96	92	WSW 3	SW 2	10	10	30.7
10..	54.50	54.02	24.5	24.9	97	87	Calm	SW 3	10	10	9.7
11..	53.72	52.64	26.4	27.5	85	84	SW 2	SW 5	10	10	15.8
12..	52.71	53.07	25	24.5	91	95	SW 1	SW 3	10	10	55.7
13..	54.15	54.50	24.5	25.7	97	90	WSW 2	WSW 3	10	10	31
14..	56.07	55.48	24.6	28.1	96	80	SW 1	SW 2	10	10	.8
15..	56.81	55.93	25.4	28.5	84	74	SW 1	W 4	10	10	2.8
16..	57.11	57.97	25.1	29.4	79	72	SW 1	S 2	4	10	......
17..	58.64	57.52	26.3	31	82	59	SW 2	SW 4	9	8	......
18..	58.10	56.91	24.5	31.5	90	63	Calm	W 4	7	7	......
19..	57.54	55.93	25.3	30.5	86	71	W 1	W 3	8	9	3
20..	53.93	52.02	25.4	25.9	77	86	W 3	SW 4	10	10	24.9
21..	56.07	56.05	23.9	28.2	97	86	Calm	SE 3	10	9	3
22..	58.04	57.16	23.9	29.3	93	76	NNW 2	SE 3	5	8	......
23..	57.68	55.84	23.5	29.7	91	70	N 2	W 4	7	9	......
24..	55.56	54.57	26.5	28.5	84	75	W 2	SW 4	7	10	3.3
25..	54.97	54.64	26	25.5	89	94	SW 2	SW 1	10	10	31.5
26..	55.98	57.15	23.7	25.5	97	88	Calm	WSW 2	10	10	1.8
27..	57.93	57.66	23	28.4	96	75	Calm	SW 2	10	9	......
28..	57.42	56.59	22.3	26.1	92	85	W 1	WSW 3	9	10	7.6
29..	56.01	54.11	22.7	28.1	96	77	NNW 1	SW 2	8	10	......
30..	54.02	54.15	26	27.7	80	70	WSW 3	W 4	10	10	11.9
31..	54.81	54.64	25.2	25.5	81	88	WSW 3	SW 3	10	10	2.3
Mean	55.40	54.84	24.9	27.8	88.7	79.3	1.5	3.2	8.9	9.5	......
Total	......	......	......	......	......	......	....	....	.....	....	363.7

LUCENA

[φ=13° 56′ N; λ=121° 37′ E; barometer above sea, 8 meters; gravity correction not applied, —1.74 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	55.67	54.79	24.9	27.3	87	82	SSW 2	SSW 2	9	10	1.3
2..	56.12	56.97	23.3	29	95	76	SW 1	SE 3	10	9	2
3..	58.54	58.81	22.9	29	92	74	NNW 1	SE 2	9	10	......
4..	59.51	58.04	22	29.6	94	75	W 1	SSE 2	3	7	......
5..	59.76	57.68	22.9	31.2	91	64	NE 1	NE 2	4	4	......
6..	58.65	56.88	24.9	30.6	92	66	W 1	SE 2	4	6	......
7..	56.76	56.46	23.6	26.9	95	85	Calm	W 1	7	10	19.6
8..	57.11	56.07	22.7	29.7	94	76	Calm	SE 1	9	9	2.3
9..	57.50	56.84	24.9	25.6	93	92	Calm	NE 1	10	10	8.6
10..	57.54	55.58	23	29	94	77	N 1	S 2	7	9	10.9
11..	55.82	56.12	23.5	23.9	95	93	Calm	NE 2	10	10	13.3
12..	54.96	53.71	24.3	28	87	81	Calm	SW 2	10	10	......
13..	54.05	53.84	24	29.2	93	70	N 1	W 3	10	10	......
14..	56.06	55.11	23	29.5	89	71	W 1	SE 2	4	7	6.4
15..	57.44	56.57	23	29	94	74	N 1	SE 1	4	9	1.3
16..	57.95	57.05	24.5	27	92	84	N 1	NE 3	9	9	31.2
17..	59.03	58.62	23.4	28.5	95	73	ENE 1	ENE 2	10	10	......
18..	60.39	59.57	25.1	28.7	88	70	NE 1	NE 3	9	7	......
19..	60.39	58.97	24.8	29	87	65	NNE 1	N 3	5	8	4.1
20..	59.83	58.42	24.4	27.9	96	78	Calm	NE 4	10	5	83.6
21..	59.96	58.08	23.3	29.3	97	69	Calm	NE 2	10	7	.3
22..	59.93	58.93	24.9	28.5	84	75	NE 2	N 3	7	7	......
23..	58.97	58.57	26.2	29.7	82	63	NE 1	NE 2	3	4	......
24..	59.64	58.93	23.3	30	89	65	NE 1	NE 3	4	7	......
25..	59.74	58.88	24	29.6	91	70	N 1	NE 3	4	6	......
26..	59.93	58.97	25	30.5	92	66	N 2	NE 3	5	7	......
27..	59.54	58.79	25	30	88	62	N 1	N 3	7	6	......
28..	59.11	57.97	24.3	30.2	91	70	N 2	NE 3	7	7	4.3
29..	59.26	57.94	24	30.5	93	66	NE 1	ENE 3	2	5	......
30..	59.11	57.68	23.6	30.1	91	61	NE 1	NE 3	5	4	......
31..	.....	.....	.....	.....	.....	.....	....	....	....	....	......
Mean	58.28	57.36	24	28.9	91.4	73.1	0.9	2.4	6.9	7.6	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	189.2

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	58.53	57.49	22.4	30.3	95	63	NE 1	NNE 3	3	4	......
2..	57.51	56.21	23.6	29.8	90	65	N 1	NE 2	2	5	......
3..	57.77	55.95	24.5	29.3	93	72	NNE 1	SE 2	7	8	......
4..	57.73	56.23	23.4	30.4	94	73	N 1	S 2	8	7	......
5..	57.78	56.10	23.6	27.7	95	87	N 1	NNW 1	8	8	1
6..	58.05	56.56	24.9	31.3	92	62	N 1	NE 2	8	4	1.3
7..	58.11	57.52	24.4	28.7	94	72	NE 1	N 2	8	10	37.8
8..	57.87	56.08	23.8	27	97	77	Calm	N 3	10	10	18.3
9..	56.03	55.32	24	27.6	97	83	Calm	SE 2	9	10	14.2
10..	56.40	55.63	24.5	29	96	78	Calm	S 4	10	9	7.1
11..	57.93	57.89	24.6	28.4	97	79	Calm	SE 1	9	10	10.2
12..	60.18	58.88	24.7	29.6	94	74	Calm	ENE 2	10	7	10.9
13..	60.26	59.01	22.7	30.1	95	68	NW 1	NE 3	4	6	5.8
14..	58.59	56.97	25.5	25.5	84	92	N 1	NE 1	10	10	37.8
15..	55.99	55.13	25.6	28.8	91	79	NE 1	NE 3	10	10	18.8
16..	57.07	56.31	24.9	29.5	96	76	NE 1	E 2	9	9	2.8
17..	57.73	56.63	26	29.1	92	71	SSE 1	SE 3	8	4	......
18..	57.93	56.47	23.6	29.4	96	78	Calm	NE 2	6	8	3
19..	58.31	56.03	24	29.6	96	77	Calm	SSE 2	4	7	2
20..	58.85	58.34	24.4	28.6	93	77	NE 1	NE 3	10	9	15.5
21..	59.64	59.16	24.5	28.4	83	72	NE 1	NE 3	9	10	2.8
22..	60.06	58.99	23.9	26.5	94	88	NNE 1	NE 3	9	10	19.8
23..	59.98	59.12	24	29.1	96	72	N 1	NE 3	9	7	8.9
24..	59.98	58.45	24.4	27.7	90	79	N 1	N 4	4	8	12.7
25..	59.38	58.02	23.9	28.7	95	77	NE 1	NE 3	5	9	2.8
26..	60.09	58.63	24	28.7	94	74	NE 1	SE 1	4	8	......
27..	60.09	59.79	24	26.5	96	85	NNE 1	N 2	8	9	7.2
28..	60.04	58.46	24.5	29.7	92	71	N 1	NE 3	7	8	2.5
29..	59.50	58.22	25	29	92	74	NNE 1	NE 3	7	7	3.8
30..	59.54	58.10	24.6	28.3	92	80	N 1	N 4	9	7	2.8
31..	59.63	58.39	24.6	29.3	92	74	N 2	NE 3	8	7	......
Mean	58.60	57.42	24.3	28.8	93.3	75.8	0.8	2.5	7.5	7.9	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	249.8

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.40	58.98	24.5	28.5	92	77	NE 1	NE 3	8	8	......
2..	60.10	59.34	25	28.6	91	73	N 1	N 3	7	9	......
3..	59.94	58.48	25.5	30.1	92	70	N 1	NE 4	5	5	......
4..	59.72	58.41	25.5	29.4	84	72	NE 2	NE 4	9	5	3
5..	59.04	57.54	25.3	29.5	94	70	NE 1	NE 4	9	4	.8
6..	58.85	57.46	24.4	29.6	92	70	NNE 1	N 3	4	6	......
7..	59.98	58.55	24.9	26.6	92	91	NNE 2	E 2	8	10	5.9
8..	59.95	58.02	24.4	28.9	88	70	N 2	N 3	4	5	......
9..	58.41	57.42	23	29.5	94	70	NE 1	NE 4	4	8	......
10..	57.82	56.21	23.3	29.7	94	71	Calm	SE 1	7	7	.8
11..	57.59	55.96	22.5	29.7	95	66	WSW 1	N 3	7	7	.3
12..	57.92	56.94	23.2	29.7	95	70	Calm	N 4	8	6	......
13..	58.14	58.08	25.6	28.5	83	68	N 1	NNE 4	9	9	......
14..	59.08	58.09	24.6	29	78	62	N 2	N 4	10	9	......
15..	59.07	57.31	25	26.4	79	73	N 2	N 4	10	10	2.3
16..	58.20	57	23.5	27.5	94	74	N 2	N 4	10	10	......
17..	57.86	57.59	24.2	23.7	90	92	Calm	N 2	8	10	33.7
18..	54.88	55.66	25	24.5	91	92	NNE 4	E 4	10	10	59.5
19..	58.02	57.04	24	29	91	74	NNE 1	E 2	7	4	......
20..	58.78	57.33	23.5	28.7	92	77	NE 1	ENE 2	4	8	......
21..	58.54	57.30	22.7	28.8	96	80	Calm	SE 2	4	7	9.1
22..	58.53	58.21	25	27	80	72	NNE 3	NNE 4	10	9	......
23..	60.01	59.44	24.2	25	82	87	N 1	NNE 2	10	10	.5
24..	60.41	59.40	22.5	25.8	93	71	N 2	N 4	10	9	.8
25..	60.54	59.04	21.2	26.5	90	68	NNE 1	NE 4	9	8	6.1
26..	60.11	58.56	22.7	27	85	67	N 2	NNE 4	5	6	15.5
27..	58.88	58.33	24	23.9	96	94	NE 1	NNE 2	10	10	14
28..	59.49	59.24	24.7	27	93	89	N 1	NE 2	9	10	15.8
29..	60.65	59.88	24.5	26.5	88	92	N 1	E 1	8	9	9.2
30..	59.98	59.01	25.5	28.2	91	74	N 1	NE 2	8	9	11
31..	.....	.....	.....	.....	.....	.....	....	....	....	....	......
Mean	59	57.99	24.1	27.8	89.8	75.9	1.3	3	7.7	7.9	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	188.3

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Relative humidity. 6 a. m.	Relative humidity. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Cloudiness. 6 a. m.	Cloudiness. 2 p. m.	Rain in 24 hours beginning 6 a. m.
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.19	58.84	25	28.6	92	76	NE 1	N 3	9	8	26.2
2..	59.60	59.16	25.1	27	89	77	N 1	N 4	9	9	4.3
3..	59.05	57.94	24.6	25	92	91	N 1	NNE 2	9	10	22.1
4..	57.55	56.07	24	25	91	91	N 1	NE 3	10	10	2.8
5..	56.60	55.59	25.4	28.7	88	76	NNE 1	E 1	9	9	19.8
6..	57.02	56.59	24.5	27.8	96	83	NE 1	SE 2	9	10	......
7..	58.22	57.53	23.7	29.2	97	77	ENE 1	E 2	4	5	......
8..	58.92	58	24	29	93	78	Calm	E 2	4	5	2.8
9..	58.91	58.57	24.3	29.5	94	68	NNE 1	NNE 3	6	5	......
10..	59.84	58.96	23.6	26.2	95	90	NE 1	NE 3	7	9	3
11..	60.41	59.44	23	27.7	96	71	N 1	NE 4	5	5	9.4
12..	59.96	58.94	23	28.6	95	73	NE 1	NE 2	4	5	......
13..	59.09	57.54	22.5	28.2	96	73	Calm	NE 3	8	6	2.5
14..	58.93	57.15	23	26	95	76	N 2	NE 4	10	9	13.7
15..	58.96	58.06	23.1	24.5	94	93	NE 1	NE 2	10	10	16.3
16..	59.58	59.02	23	26	96	86	NE 1	NE 2	10	10	3
17..	60.30	60.10	24.5	25.8	83	83	N 2	NE 4	9	9	15
18..	61.15	60.47	23.5	26.7	94	77	NE 3	NE 4	10	7	7.4
19..	62.03	61.39	23.7	26.6	86	72	NE 2	NE 4	10	9	......
20..	62.56	61.07	23.5	28.1	93	73	N 1	NE 3	10	6	......
21..	62.51	61.53	22.3	27.4	96	78	Calm	N 3	8	7	3
22..	62.44	60.83	23.5	27.9	92	71	NE 1	NNE 4	10	6	......
23..	61.10	60.14	23.7	27	91	78	NE 1	NE 3	7	9	3.3
24..	60.54	58.94	22.2	28.5	96	72	Calm	ENE 2	10	4	......
25..	59.58	59.04	22.5	27.4	95	74	NE 1	N 3	6	9	1
26..	60.26	59.37	23.9	28	96	74	NE 1	NE 4	10	7	.8
27..	60.05	59.58	23.6	28	96	70	N 1	N 3	8	9	......
28..	60.01	59.49	24.2	27.2	91	77	N 1	N 3	9	5	......
29..	61.41	60.84	22.9	24.2	90	89	N 2	NE 4	9	10	17.3
30..	62.01	62.29	22	24.6	86	70	NE 4	NE 5	9	9	......
31..	63.05	61.94	22.2	24.5	68	68	NE 4	NE 5	4	8	1.8
Mean	60.06	59.17	23.5	27.1	92	77.6	1.3	3.1	8.1	7.7	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	175.5

CANLUBAN, CALAMBA

[φ=14° 13′ N; λ=121° 07′ E.]

Day.	JANUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1	....	....	22.9	29.2	95	70	ENE 1	NE 2	10	8	....
2	....	....	22.2	29	98	70	W 1	E 1	10	9	....
3	....	....	23	28.4	97	70	N 1	NE 2	10	9	4.8
4	....	....	22.8	28.5	97	78	N 1	E 1	10	9	2
5	....	....	22.6	27.6	97	76	NE 1	E 2	10	10	5.8
6	....	....	23	26	95	78	NE 2	NE 4	10	9	.5
7	....	....	23.5	26.2	96	78	NE 3	NE 3	10	10	....
8	....	....	22	27	96	80	NNE 1	ENE 1	10	10	2.3
9	....	....	22.5	27	96	80	NNE 1	ENE 1	10	10	....
10	....	....	20	30.1	96	61	SW 1	ENE 2	10	8	....
11	....	....	19.5	30.7	95	63	SW 1	ENE 1	9	7	....
12	....	....	19.6	30.2	96	61	SW 1	N 1	9	8	....
13	....	....	21	31	96	61	SW 1	NNE 1	10	8	....
14	....	....	20	28	97	70	S 1	NE 1	10	8	.8
15	....	....	21.4	31	96	58	S 1	NE 2	10	8	5.1
16	....	....	22.8	28	97	69	NE 1	NNE 2	10	8	3
17	....	....	21.5	29.5	95	64	E 1	NE 1	10	8	....
18	....	....	20	29.2	96	59	SW 1	NE 2	9	10	....
19	....	....	20.2	25.6	96	84	NE 1	ENE 4	10	10	2.8
20	....	....	21.4	27.6	96	71	NE 1	NE 2	10	9	.3
21	....	....	22.3	29	96	60	NE 1	NE 3	9	7	....
22	....	....	19.8	29.4	96	56	NE 1	NE 1	9	8	....
23	....	....	19.2	28.8	96	54	ESE 1	NE 2	9	7	....
24	....	....	19	29.9	96	57	S 1	NE 1	8	7	....
25	....	....	19.4	31	96	56	Calm	NE 2	7	6	....
26	....	....	21.3	29.8	97	56	S 1	NE 2	8	7	....
27	....	....	20.2	30	96	48	E 1	NE 2	8	6	....
28	....	....	19.2	29	97	64	W 1	NE 2	9	9	....
29	....	....	22.1	30.2	96	60	E 1	E 1	9	7	....
30	....	....	19	31.1	96	49	SW 1	NE 1	8	6	....
31	....	....	19.7	31	97	55	E 1	NE 2	7	6	....
Mean	....	....	21.1	29	96.2	65	1.1	1.8	9.3	8.1	....
Total	....	....	....	....	....	....	....	....	....	....	27.4

Day.	FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1	....	....	20.6	31.4	96	55	SW 1	NE 2	8	7	....
2	....	....	20.	31.4	96	53	SW 1	NE 2	8	7	....
3	....	....	21.2	30.5	97	56	SSE 1	ENE 3	7	6	....
4	....	....	19.2	30	97	47	SSE 1	NE 2	8	6	1
5	....	....	20.4	25.4	96	79	E 1	NE 4	9	10	9.4
6	....	....	21.1	26	97	73	E 2	NE 2	10	10	2.3
7	....	....	21.6	27	96	73	NE 2	NE 2	10	9	3
8	....	....	22.6	29.2	97	68	NE 1	NE 3	10	10	....
9	....	....	21.9	29.5	96	60	NE 1	NE 2	9	6	....
10	....	....	21.8	30.5	96	50	SE 1	NE 2	9	6	....
11	....	....	22.1	29.9	96	49	E 1	NE 3	10	6	....
12	....	....	22.3	28.6	96	64	ENE 1	E 1	8	7	1
13	....	....	22.3	31.5	97	52	NE 1	NE 2	8	7	3
14	....	....	22.8	31.1	97	55	SE 1	NE 2	8	6	....
15	....	....	21.9	30.8	96	58	NE 1	NE 2	9	6	....
16	....	....	20.4	32.8	97	51	W 1	E 1	8	7	....
17	....	....	22	32.4	96	52	SW 1	NE 2	8	6	....
18	....	....	21	30	95	62	SW 1	E 3	8	7	....
19	....	....	21.1	31	95	58	S 1	NE 2	8	7	....
20	....	....	21.2	32.6	96	52	S 1	NE 2	8	7	....
21	....	....	20.6	33.2	95	46	SW 1	NE 1	9	7	....
22	....	....	22.4	33.6	93	46	NE 1	ENE 2	9	6	....
23	....	....	23.6	33.8	94	46	SE 1	NE 2	8	6	....
24	....	....	21.8	33.2	95	46	S 1	NE 2	9	7	....
25	....	....	22	30.9	96	53	SSE 1	NE 3	8	8	....
26	....	....	21.9	29.4	95	59	NE 3	NE 5	10	8	....
27	....	....	21.2	31.2	95	49	NE 1	NE 2	9	7	....
28	....	....	21.3	32	95	47	NE 1	NE 1	8	6	....
29	....	....	....	....	....	....	....	....	....	....	....
30	....	....	....	....	....	....	....	....	....	....	....
31	....	....	....	....	....	....	....	....	....	....	....
Mean	....	....	21.5	30.7	95.8	55.7	1.1	2.2	8.6	7.1	....
Total	....	....	....	....	....	....	....	....	....	....	19.7

Day.	MARCH.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1	....	....	21	31.2	96	49	SW 1	NE 2	9	7	....
2	....	....	21	31.2	96	48	SW 1	NE 3	8	6	....
3	....	....	21.8	31.6	94	47	NE 2	NE 2	9	6	....
4	....	....	22.2	31.2	95	47	S 1	NE 3	8	6	....
5	....	....	22.1	31.5	96	47	SW 1	NE 2	9	5	....
6	....	....	22	32.6	96	46	SSE 1	NE 2	8	6	....
7	....	....	22.2	31.6	96	47	NE 1	NE 2	8	7	....
8	....	....	22.3	31	96	46	S 1	NE 1	9	7	....
9	....	....	22.2	29.8	95	50	E 1	NE 5	8	7	....
10	....	....	23.9	32.1	93	48	NE 2	NE 5	10	8	....
11	....	....	22.9	32	95	48	ENE 2	NE 4	10	6	....
12	....	....	22.3	32.6	96	46	S 1	NE 2	10	7	....
13	....	....	23	32.6	94	47	ENE 1	NE 3	9	6	....
14	....	....	21.8	32	94	50	S 1	N 2	10	9	....
15	....	....	21.2	32.8	95	48	E 1	NE 2	9	6	....
16	....	....	22.7	32.2	94	42	SE 1	NE 2	9	7	0.8
17	....	....	22.8	31.8	93	47	E 1	NE 1	10	7	....
18	....	....	21.2	33.2	95	44	SW 1	NE 2	10	6	....
19	....	....	22	33.6	95	47	E 1	NE 2	10	9	.5
20	....	....	23	32.1	92	52	N 1	NE 1	10	9	....
21	....	....	23.1	33.6	94	45	S 1	NE 2	9	6	....
22	....	....	23	35	93	43	SW 1	NE 2	10	7	....
23	....	....	23	34.9	95	42	N 1	E 1	10	7	....
24	....	....	22	34.5	95	42	SW 1	S 1	9	6	....
25	....	....	23.1	34.1	94	41	NE 2	SE 2	10	7	....
26	....	....	23.2	32.5	93	47	E 1	NE 2	9	7	....
27	....	....	23	31.6	94	53	NE 1	E 1	10	8	....
28	....	....	22.5	34.2	95	45	N 1	NE 3	10	8	....
29	....	....	23.2	32.9	94	49	E 1	NE 3	10	7	....
30	....	....	23.1	32.5	93	49	SW 1	NE 3	10	7	....
31	....	....	23	33	93	47	E 1	E 2	9	8	....
Mean	....	....	22.4	32.5	94.5	46.7	1.1	2.3	9.3	6.9	....
Total	....	....	....	....	....	....	....	....	....	....	1.3

Day.	APRIL.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1	....	....	23.4	32	95	54	W 1	E 2	10	10	....
2	....	....	23.3	35.2	95	45	SW 1	NE 3	10	10	....
3	....	....	23.2	35.2	93	44	E 1	NE 2	10	8	....
4	....	....	23.8	32.6	93	48	E 1	NE 2	10	10	....
5	....	....	23.2	33	93	49	E 1	NE 2	10	10	....
6	....	....	24	34.2	93	45	ESE 1	NE 2	9	10	....
7	....	....	23.8	35	92	43	E 1	NE 3	10	7	....
8	....	....	23.2	34.8	93	42	NE 1	NE 2	10	8	....
9	....	....	24	34.9	93	46	E 1	E 1	10	10	....
10	....	....	24.1	35.8	92	43	NE 1	NE 2	10	8	....
11	....	....	24.3	32.1	92	56	ESE 1	W 2	10	10	....
12	....	....	24	34.2	93	47	E 1	NE 2	10	9	....
13	....	....	24.2	35.4	92	43	E 1	ESE 2	10	9	....
14	....	....	24.1	34.8	94	43	SE 1	NE 3	10	9	....
15	....	....	24	35.5	93	43	S 1	NE 3	10	8	....
16	....	....	24.1	34.5	92	44	SE 1	NE 2	10	7	....
17	....	....	24.2	35.3	92	42	S 1	N 2	10	6	....
18	....	....	24.4	35	93	46	E 1	NE 2	9	8	....
19	....	....	24.3	34.8	93	46	S 1	NE 2	10	7	....
20	....	....	23.7	34.5	93	43	S 1	NE 3	10	7	....
21	....	....	24	34	95	42	NE 1	ENE 4	10	8	....
22	....	....	24.2	35	95	43	E 1	E 2	9	7	....
23	....	....	24.1	35.2	94	42	S 1	NE 2	10	8	....
24	....	....	24.2	35.1	93	42	S 1	NE 2	10	7	....
25	....	....	25	34.8	93	42	E 1	NE 2	9	7	....
26	....	....	24.1	35.3	94	42	SE 1	NE 2	10	7	....
27	....	....	24.2	35.6	92	43	S 1	E 2	9	7	....
28	....	....	24.2	35.8	93	42	SE 1	NE 2	10	8	....
29	....	....	25	35	93	42	ENE 1	NE 4	10	7	....
30	....	....	24.9	35.2	93	43	SW 1	NE 3	9	7	....
31	....	....	....	....	....	....	....	....	....	....	....
Mean	....	....	24	34.7	93.1	44.5	1	2.3	9.8	8.1	....
Total	....	....	....	....	....	....	....	....	....	....	0

CANLUBAN, CALAMBA

[ϕ=14° 13′ N; λ=121° 07′ E.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	.....	.....	24.7	34.6	94	42	SW 1	NE 2	10	7	......
2	.....	.....	24.1	34.8	94	42	SE 1	NE 3	10	8	......
3	.....	.....	24.2	33.5	95	45	N 1	NE 4	10	7	......
4	.....	.....	24.3	34	95	44	NE 1	ENE 3	10	7	......
5	.....	.....	24.3	34.2	94	41	E 1	NE 2	10	7	......
6	.....	.....	24.8	34.8	94	45	E 1	NE 3	10	7	......
7	.....	.....	24.4	35	94	44	NE 1	ENE 2	10	7	......
8	.....	.....	24.3	35.3	94	42	N 1	NE 2	10	10	......
9	.....	.....	24.3	35.4	94	43	E 1	NE 2	10	7	......
10	.....	.....	24.3	34.4	94	44	ESE 1	SE 3	10	9	......
11	.....	.....	24.4	27	95	70	S 1	W 2	10	10	57.1
12	.....	.....	23.9	32.8	96	51	SSE 1	NE 2	10	8	2.5
13	.....	.....	24	34.2	97	46	SW 1	NE 2	10	10	......
14	.....	.....	24.1	30.2	96	70	W 1	NNE 2	10	10	5.3
15	.....	.....	24.4	34.4	95	47	W 1	NE 1	10	10	......
16	.....	.....	24.1	28.2	96	70	SW 1	W 2	10	10	6.6
17	.....	.....	24	31	96	64	S 1	NW 2	10	10	22.4
18	.....	.....	24	32.2	95	60	SW 1	N 2	10	10	......
19	.....	.....	24.1	32.4	96	63	SSE 1	SE 1	10	10	20.8
20	.....	.....	24	34.4	97	51	SW 1	S 2	10	10	30.5
21	.....	.....	24.4	34.6	97	49	SW 1	S 2	10	10	27.9
22	.....	.....	24	35.4	97	48	SW 1	N 1	10	10	......
23	.....	.....	24.2	35.2	97	44	SW 1	N 1	10	10	......
24	.....	.....	24.3	33.2	97	54	SW 1	SW 4	10	10	9.7
25	.....	.....	24.4	31.6	97	62	W 1	S 2	10	10	10.5
26	.....	.....	23.9	29.2	97	71	SW 1	W 3	10	10	22.1
27	.....	.....	25	31.2	97	61	SW 1	S 1	10	10	34.6
28	.....	.....	24.4	33	97	56	SE 1	NNE 2	10	10	2
29	.....	.....	24.3	30.8	96	60	SW 1	N 1	10	10	9.4
30	.....	.....	24.6	32.2	96	54	W 1	NE 2	10	10	4.8
31	.....	.....	24.5	31.8	96	55	SSE 1	NE 2	10	10	......
Mean	.....	.....	24.3	32.9	95.6	52.8	1	2.1	10	9.2	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	266.2

JUNE.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	.....	.....	25	33.5	97	52	SW 1	NE 2	10	9	......
2	.....	.....	24.9	33.5	95	54	SE 1	NE 2	10	10	....
3	.....	.....	24.5	34.2	96	47	W 1	NE 2	10	10	......
4	.....	.....	24.4	34.9	95	49	SW 1	NE 1	10	10	......
5	.....	.....	25.1	32.2	96	59	S 1	S 1	10	10	5.1
6	.....	.....	25	34	96	51	W 1	E 1	10	10	......
7	.....	.....	24.2	33	97	55	E 1	NNE 2	10	10	3.8
8	.....	.....	24.6	34	96	53	SW 1	NE 1	10	10	6.6
9	.....	.....	24.8	27.2	97	81	NW 1	W 1	10	10	40.4
10	.....	.....	24.5	25	97	88	SW 2	SSE 2	10	10	197.4
11	.....	.....	24.6	27	97	84	S 2	SSE 2	10	10	8.6
12	.....	.....	24.8	29.9	94	72	SSE 1	N 1	10	10	......
13	.....	.....	24.9	31.6	94	66	S 1	E 1	10	10	1.5
14	.....	.....	24.6	32.2	93	59	SSE 1	S 2	10	8	......
15	.....	.....	24.8	31.8	94	60	SW 1	SW 2	10	9	......
16	.....	.....	25.1	31.8	94	61	SSW 1	SW 2	10	10	.5
17	.....	.....	24.7	31.2	93	64	SSW 1	W 1	10	10	24.1
18	.....	.....	24.5	28	95	80	SSW 1	SW 1	10	10	10.6
19	.....	.....	24	29.6	96	72	NNW 1	SW 1	10	10	1
20	.....	.....	24.4	29.2	96	75	W 1	SW 1	10	10	70.3
21	.....	.....	24.2	31.4	96	65	SSW 1	S 1	9	8	......
22	.....	.....	23.2	31.8	96	61	W 1	SW 2	10	10	......
23	.....	.....	24.2	32	95	61	W 1	W 2	10	9	......
24	.....	.....	25	30	93	66	S 1	SW 1	10	10	......
25	.....	.....	24.9	31.4	94	61	S 1	SW 2	10	10	......
26	.....	.....	24.6	26.6	95	74	S 1	W 2	10	10	1.5
27	.....	.....	24	32.4	96	60	SW 1	SSW 1	10	7	1
28	.....	.....	24.4	33.2	95	58	SW 1	SW 1	10	8	......
29	.....	.....	24.9	30.4	92	65	SW 1	SW 2	10	10	10.2
30	.....	.....	23.7	29.6	94	72	SSW 1	N 2	10	10	1.8
31	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
Mean	.....	.....	24.6	31.1	95.1	64.2	1.1	1.5	10	9.6	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	384.4

JULY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	.....	.....	24.8	30.5	95	69	SW 1	W 1	10	10	8.1
2	.....	.....	24.1	26	96	76	SW 1	SSW 2	10	10	86.4
3	.....	.....	22.4	24.6	96	87	SSE 1	S 1	10	10	22.1
4	.....	.....	22.1	31.4	96	65	NE 1	SSW 1	10	10	......
5	.....	.....	23.6	31	95	62	SW 1	N 2	10	10	......
6	.....	.....	23.5	30.6	94	67	SW 1	S 3	9	10	4.1
7	.....	.....	22.5	32	95	61	SW 1	SW 3	10	10	1.5
8	.....	.....	22.2	28.8	96	70	SW 1	S 2	10	10	......
9	.....	.....	23.4	33	96	53	WNW 1	N 1	10	8	9.1
10	.....	.....	22	33.2	95	59	SW 1	NNE 1	9	10	1.5
11	.....	.....	23	29	95	71	SW 1	SW 1	10	10	.5
12	.....	.....	23.2	32.6	94	61	S 1	N 1	10	10	......
13	.....	.....	24	33.9	95	51	SW 1	NE 2	10	8	......
14	.....	.....	24.1	33.4	94	55	SSW 1	N 2	10	10	......
15	.....	.....	23.6	32.4	96	56	SW 1	SW 2	10	9	......
16	.....	.....	24.6	32.4	95	59	SW 1	SW 2	10	10	......
17	.....	.....	24.3	31	95	64	SW 1	WNW 3	10	10	......
18	.....	.....	24	33.6	95	54	E 1	NE 2	10	10	......
19	.....	.....	24.3	32.6	95	55	E 1	NE 3	10	10	1.8
20	.....	.....	23.4	27.2	95	78	SW 1	NE 2	10	10	3.5
21	.....	.....	23.3	30	96	70	W 1	NE 2	10	10	......
22	.....	.....	23.7	24.8	94	89	S 1	SW 2	10	10	13.9
23	.....	.....	23.8	27.3	95	81	S 1	N 1	10	10	......
24	.....	.....	23.5	29.8	96	70	SW 1	SW 1	10	10	3.6
25	.....	.....	23.8	29.8	96	71	E 1	S 2	10	10	......
26	.....	.....	24.4	30.2	96	67	S 1	SW 2	10	10	1.5
27	.....	.....	23.8	26.2	97	89	W 1	WSW 3	10	10	66
28	.....	.....	23.5	24.8	97	94	SW 1	N 1	10	10	74.9
29	.....	.....	23	23.5	97	97	NW 2	N 2	10	10	128.5
30	.....	.....	24	27	97	81	SW 1	SW 2	10	10	8.9
31	.....	.....	24.8	30.4	95	69	S 1	SW 5	10	10	......
Mean	.....	.....	23.6	29.8	95.5	69.4	1	1.9	9.9	9.8	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	435.9

AUGUST.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	.....	.....	25.2	27	94	84	S 3	SW 3	9	10	3.1
2	.....	.....	25	30.4	95	66	SW 1	SW 4	10	10	......
3	.....	.....	24.4	27.2	96	84	SSW 2	W 2	10	10	18.8
4	.....	.....	23.4	28.4	95	72	SW 2	SW 2	10	10	......
5	.....	.....	23.8	25.4	95	88	SW 1	SW 2	10	10	80
6	.....	.....	23.9	24.2	95	91	SW 1	SW 1	10	10	14.8
7	.....	.....	24	25.2	96	90	WNW 2	SW 2	10	10	68.1
8	.....	.....	24.3	28.8	96	78	WSW 2	SW 3	10	10	51.5
9	.....	.....	24.4	25.2	97	90	SW 2	SW 2	10	10	91.4
10	.....	.....	24.8	26	97	90	S 2	S 2	10	10	52.1
11	.....	.....	25	25.3	95	90	SW 2	SW 3	10	10	130.8
12	.....	.....	23.8	25	97	91	SW 3	WNW 2	10	10	155
13	.....	.....	24.1	27.2	97	84	WSW 2	WSW 2	10	10	38.1
14	.....	.....	24.3	26.2	97	82	SW 3	SW 3	10	10	2.3
15	.....	.....	24.8	27	95	83	S 1	SW 3	10	10	16.5
16	.....	.....	24.8	26.1	95	91	S 2	W 1	10	10	9.7
17	.....	.....	23.6	27.6	97	83	SW 1	W 2	10	10	3.8
18	.....	.....	23.9	30	95	69	S 1	WSW 2	10	10	1
19	.....	.....	23.6	25.6	95	84	SSW 1	SW 1	10	10	2.3
20	.....	.....	24.4	25.5	95	84	WSW 3	SW 4	10	10	5.8
21	.....	.....	24.3	29	96	74	S 3	SSE 2	10	10	22.1
22	.....	.....	23.2	30	97	68	S 1	S 1	10	10	......
23	.....	.....	23.2	31.5	95	65	NW 1	W 2	10	10	4
24	.....	.....	24.8	27.4	94	84	W 2	SW 3	10	10	21.4
25	.....	.....	24.2	25.2	95	92	SSE 1	NNW 1	10	10	128.5
26	.....	.....	24.4	25.8	97	85	SW 1	S 2	10	10	48.8
27	.....	.....	23	25.8	97	88	N 1	S 1	10	10	12
28	.....	.....	22.6	25.6	97	79	SW 1	SW 2	10	10	.5
29	.....	.....	23.2	28.4	95	76	SW 1	WNW 1	10	10	7.6
30	.....	.....	24.1	25	95	92	SW 2	SW 2	10	10	74.7
31	.....	.....	24	25.2	95	90	SW 3	SW 2	10	10	33
Mean	.....	.....	24.1	26.8	95.7	82.8	1.7	2.1	10	10	......
Total	.....	.....	.....	.....	.....	.....	....	....	.....	.....	1,097.7

CANLUBAN, CALAMBA

[ϕ=14° 13′ N; λ=121° 07′ E.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	.....	.....	24	27.6	96	81	S 3	S 2	10	10	.....
2	.....	.....	24.2	30.4	95	66	S 1	S 1	10	9	.....
3	.....	.....	22.5	27.6	96	81	S 1	N 2	10	10	12.4
4	.....	.....	22 7	32.2	95	63	SW 1	N 2	9	8	33
5	.....	.....	22.1	32	97	61	S 1	N 1	10	8	3.8
6	.....	.....	23.4	32.2	97	65	SW 2	NE 1	10	8	41.1
7	.....	.....	23.2	29.8	97	70	WSW 1	SW 1	10	10	.....
8	.....	.....	22.7	30.8	97	64	SW 1	NE 1	10	10	.....
9	.....	.....	23.5	26	96	84	SW 1	SW 1	10	10	3.8
10	.....	.....	22.8	30	97	70	S 1	NW 1	10	10	.....
11	.....	.....	23.8	24	95	91	SW 1	NE 1	10	10	41.7
12	.....	.....	23	27.4	97	83	NNE 1	NE 1	10	10	.....
13	.....	.....	23.6	29	97	71	SW 1	SW 2	10	10	.....
14	.....	.....	23 8	26.8	97	89	SW 1	NW 1	10	10	21.3
15	.....	.....	23	27.8	97	80	SW 1	NE 1	10	10	5.6
16	.....	.....	23.5	27.6	96	81	E 1	NNE 3	10	10	9.4
17	.....	.....	23.4	27	97	81	E 1	NE 2	10	10	.....
18	.....	.....	22.5	29	96	69	SSE 1	NE 2	10	10	.....
19	.....	.....	23.6	29.4	95	68	E 2	NE 3	10	10	.....
20	.....	.....	23.8	28.2	96	75	E 1	NE 3	10	9	.....
21	.....	.....	23.7	28	95	71	NE 2	ENE 2	10	10	.....
22	.....	.....	23.9	30	96	69	NE 1	NE 3	9	8	.....
23	.....	.....	23.7	30.2	96	64	E 1	NE 3	10	8	.....
24	.....	.....	23.7	30	92	64	E 1	NE 2	10	8	.....
25	.....	.....	23.8	31.5	93	65	NE 1	NE 2	9	9	.....
26	.....	.....	23.9	30	92	65	E 1	NE 2	10	9	.....
27	.....	.....	23.7	31.2	92	60	NE 1	NE 2	10	9	.....
28	.....	.....	23	30.1	95	65	NW 1	N 2	10	10	.....
29	.....	.....	22.9	32.2	95	61	SSE 1	NE 2	10	9	.....
30	.....	.....	23.5	32	94	55	E 1	NNE 3	10	7	.....
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	.....	.....	23.4	29.3	95.5	71.1	1.2	1.8	9.9	9.3	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	172.1

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	.....	.....	24	31	93	64	E 1	NE 2	10	8	.....
2	.....	.....	24.2	33.2	93	55	SW 1	N 2	10	8	.....
3	.....	.....	24.1	33.5	93	55	S 1	N 3	10	10	.....
4	.....	.....	24.2	32	95	58	SW 1	SSE 2	10	10	.....
5	.....	.....	23.9	32	93	59	SW 1	NE 2	10	10	.....
6	.....	.....	24.5	31.6	93	63	SW 1	E 2	10	10	13.2
7	.....	.....	24	26	95	90	SW 1	W 2	10	10	17
8	.....	.....	23.9	26.2	96	82	W 1	NNW 1	10	10	9.1
9	.....	.....	23.9	25.3	97	89	SW 1	NE 1	10	10	5.6
10	.....	.....	24	29.8	95	73	NE 1	N 1	10	10	16
11	.....	.....	23.8	27.2	95	84	SW 1	S 1	10	10	5
12	.....	.....	23.5	31.2	96	63	SSE 1	E 1	10	10	.5
13	.....	.....	23.4	31.4	96	66	SW 1	NE 2	10	10	.....
14	.....	.....	23.3	27	96	81	SW 1	N 2	10	10	83.1
15	.....	.....	23	27.4	97	84	WSW 1	N 2	10	10	23.4
16	.....	.....	24.6	30	95	62	SSE 1	S 1	10	10	.....
17	.....	.....	24	32	96	61	SW 1	Calm	10	7	.....
18	.....	.....	23.4	29.4	96	72	SW 1	NW 1	10	10	30.4
19	.....	.....	23.9	30	96	71	N 1	SW 2	10	10	31.5
20	.....	.....	23.8	29	96	71	SW 1	NE 2	10	10	3
21	.....	.....	23.8	29.5	95	70	NE 3	NE 2	10	10	.....
22	.....	.....	23.2	27	97	83	SW 1	NE 2	10	10	2.3
23	.....	.....	23.5	30.2	96	66	W 1	NE 2	10	9	.....
24	.....	.....	22.2	29.9	96	68	SW 1	ENE 3	10	10	.....
25	.....	.....	23.2	29	97	74	SW 1	NE 2	10	10	14.7
26	.....	.....	23.4	27.5	97	80	SE 1	S 1	10	10	34.8
27	.....	.....	23.9	26.2	97	82	S 1	ENE 1	10	10	7.4
28	.....	.....	23.8	29.9	97	72	ENE 1	E 2	10	10	1.8
29	.....	.....	23.8	29.3	96	72	E 1	E 1	10	10	4.6
30	.....	.....	24	28.4	95	76	E 1	N 2	10	10	24.6
31	.....	.....	23.9	29	97	78	NE 1	E 1	10	9	1
Mean	.....	.....	23.7	29.4	95.5	71.7	1.1	1.6	10	9.7	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	329

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	.....	.....	23.9	29.5	96	71	E 2	NE 2	10	9	0.8
2	.....	.....	24	28.6	96	77	E 1	NE 3	10	10	.8
3	.....	.....	23.9	30.6	96	68	E 1	NE 3	10	10	5.6
4	.....	.....	23.7	30	97	71	NE 2	NE 3	10	10	14.2
5	.....	.....	23 9	30.4	97	68	E 2	NE 2	10	8	.....
6	.....	.....	23.6	27.6	97	77	N 1	E 2	10	9	.....
7	.....	.....	23.5	29.6	96	71	S 1	NE 3	10	8	3.8
8	.....	.....	23.7	29.9	96	67	NE 1	NE 2	10	9	.....
9	.....	.....	22.5	30.4	96	65	SW 1	ENE 2	10	8	.....
10	.....	.....	22.9	31.5	97	63	SW 1	W 3	10	10	10.7
11	.....	.....	22.8	31	96	65	W 1	NE 2	10	10	.....
12	.....	.....	23	30.4	96	69	SW 1	NE 1	10	10	.5
13	.....	.....	22.9	30.2	96	68	SW 1	NE 3	10	10	.....
14	.....	.....	22.5	30	96	67	SW 1	N 1	10	9	.....
15	.....	.....	23	28	96	69	NW 1	NE 2	10	10	.....
16	.....	.....	22.2	29.6	96	67	WSW 1	E 1	10	10	.....
17	.....	.....	22.1	29.2	96	70	WSW 1	NNE 1	10	10	11.4
18	.....	.....	22	25	96	88	NW 3	NNE 4	10	10	25.6
19	.....	.....	23	28.6	96	79	E 1	NE 1	10	9	1
20	.....	.....	22.9	30	96	69	E 1	ESE 1	10	9	.....
21	.....	.....	22.5	30.2	96	65	NW 1	W 2	10	10	.....
22	.....	.....	22.9	27.5	97	70	E 3	NE 4	10	10	.....
23	.....	.....	22.5	27.8	96	73	E 1	NE 2	10	10	.....
24	.....	.....	22.2	27	96	70	ENE 2	NE 4	10	10	.....
25	.....	.....	21.5	26.4	96	73	E 3	NE 3	10	10	.....
26	.....	.....	21	28.5	96	68	W 1	ENE 3	10	9	1.5
27	.....	.....	22	26.8	96	78	NNW 1	NE 1	10	10	14.8
28	.....	.....	22.6	27	96	84	NNE 1	S 2	10	10	6.4
29	.....	.....	22.6	29	97	75	NE 1	NE 2	10	10	17
30	.....	.....	22.8	26.2	97	89	NE 2	NE 3	10	10	31
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	.....	.....	22.8	28.9	96.2	71.8	1.4	2.3	10	9.6	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	145.1

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	.....	.....	22.7	27.1	96	78	NE 2	N 2	10	10	1.5
2	.....	.....	23.1	29	96	74	NNE 1	NE 4	10	10	.....
3	.....	.....	23.3	26	95	84	NNE 1	SSE 1	10	10	11.4
4	.....	.....	22.8	26.1	97	88	WSW 1	NE 3	10	10	10.4
5	.....	.....	23.2	26.8	96	86	NE 2	NNE 1	10	10	1.8
6	.....	.....	23.3	29.9	95	69	E 2	S 3	10	10	.....
7	.....	.....	22.8	28	97	77	SSW 1	W 1	10	10	.....
8	.....	.....	23.1	30.7	96	67	SW 1	E 2	10	8	.....
9	.....	.....	23	30.4	97	68	ENE 1	NE 2	10	9	.....
10	.....	.....	23.1	27.2	96	75	E 1	NE 2	10	10	.....
11	.....	.....	22.6	29.4	96	68	NNE 1	NE 2	10	8	.....
12	.....	.....	22	30	95	67	SW 1	NE 1	10	8	.....
13	.....	.....	22.2	29	95	68	ENE 1	E 2	10	8	.....
14	.....	.....	22.9	28.1	95	71	NE 2	NE 3	10	8	.....
15	.....	.....	23.4	28.6	94	71	SW 1	NE 2	10	10	.....
16	.....	.....	22.9	28	95	74	NE 1	NE 3	10	10	.....
17	.....	.....	22.8	27.5	95	78	NE 3	NNE 4	10	9	.....
18	.....	.....	23.2	27.6	96	73	NE 3	NNE 3	10	10	.....
19	.....	.....	22.6	27.2	96	75	NE 2	NNE 4	10	10	.....
20	.....	.....	22.5	28.8	96	69	S 1	NE 3	10	8	.....
21	.....	.....	23	28.8	95	67	E 1	NE 3	10	8	.....
22	.....	.....	22.6	29	96	69	NE 3	NE 3	10	9	4.6
23	.....	.....	22.5	27	96	78	NE 2	NE 3	10	10	.5
24	.....	.....	21	30.4	95	63	SW 1	NE 1	10	8	.....
25	.....	.....	21.4	30	95	67	W 1	NE 2	10	8	.....
26	.....	.....	22.8	28	96	73	NE 2	E 3	10	10	.....
27	.....	.....	22.4	29.6	96	70	NW 1	E 2	10	10	.....
28	.....	.....	22.2	29.2	96	70	SW 1	E 3	10	10	4.8
29	.....	.....	22.3	26	96	78	NE 3	NE 4	10	10	.....
30	.....	.....	22	25.4	95	66	NE 4	NE 4	10	10	.....
31	.....	.....	21.9	27.8	95	71	NE 3	NE 2	10	10	.....
Mean	.....	.....	22.6	28.3	95.6	72.6	1.6	2.5	10	9.3	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35

SANTA CRUZ, LAGUNA

[ϕ=14° 18′ N; λ=121° 25′ E; barometer above sea, 3.8 meters; gravity correction not applied, —1.73 mm.]

Day.	JANUARY.											FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.81	61.02	23.4	28.4	90	74	E 1	ENE 3	3	7	8.4	62.62	60.89	21.6	30.8	96	51	SW 1	NE 3	9	3	......
2..	62.21	60.66	22.6	28.5	96	76	ENE 1	NE 2	5	7	......	63.20	61.93	22.6	30.8	88	45	E 1	NE 3	3	2	......
3..	62.57	61.27	25	27.5	80	78	E 2	NE 3	7	8	11.7	64.38	62.65	20.3	30.2	96	48	SE 1	ENE 3	2	2	......
4..	63.35	61.89	23	27.5	97	76	ENE 1	NE 2	9	9	4.1	65.02	63.45	17.7	30.2	96	48	SE 1	ENE 4	3	2	......
5..	63.51	62.55	23.1	26.6	91	78	E 1	ENE 3	9	9	5.8	65.50	63.82	21.7	26.5	94	69	ENE 2	ENE 4	8	7	4.6
6..	65.44	64.60	23.6	24.6	84	79	ENE 3	NE 5	8	9	......	66.18	64.21	22.3	25.9	88	78	ENE 3	ENE 3	9	9	2.1
7..	63.83	62.67	23.5	25.3	83	81	ENE 3	ENE 3	8	9	.3	65.69	63.64	22.2	27.1	89	75	ENE 2	NE 5	9	6	6.3
8..	63.42	61.54	22.7	26.7	92	78	E 1	NE 3	9	9	4.4	64.78	63.04	22.4	27.9	97	76	SSE 1	NE 2	9	9	1.6
9..	61.78	60.35	23	25.6	96	89	E 1	WSW 1	8	6	5.1	64.37	62.97	21.5	29.8	95	56	ESE 1	ENE 3	2	5	......
10..	61.32	59.34	20.2	29.2	96	62	SE 1	ENE 2	1	2	......	63.91	62.21	19.5	29.5	96	52	E 1	NE 3	1	4	......
11..	60.30	58.98	19.8	30.8	93	65	E 1	NW 1	1	3	......	64.13	63.21	23	28.6	76	50	SE 1	ENE 3	9	3	......
12..	60.58	59.32	20.1	29.8	95	60	E 1	W 1	3	3	......	63.40	61.16	20.6	29.1	91	60	SE 1	E 3	6	6	......
13..	61.11	59.70	19.7	30.8	94	51	E 1	NNE 1	3	2	......	62.60	61.08	22.5	30.6	89	55	SE 1	NE 3	3	2	.3
14..	62.73	62.09	20.8	27.5	94	70	ESE 1	NE 2	7	8	4.3	62.56	61.81	22.6	30.5	92	51	ESE 1	ENE 4	3	3	......
15..	63.23	61.44	20.4	29.7	94	58	ENE 1	NE 2	2	3	2.8	63.42	61.98	22.2	30.2	88	56	SSE 1	NE 3	4	3	......
16..	62.56	61.96	23.4	27.1	94	72	ENE 1	NE 2	6	5	.5	63.10	60.50	21.2	31.6	94	50	ESE 1	ENE 2	6	3	......
17..	64.16	63.20	19.6	28.8	94	55	E 1	E 3	1	4	......	61.52	59.26	21	31.3	93	52	SSE 1	NE 1	1	3	......
18..	64.56	63.90	19.7	29.3	93	50	SSE 1	ENE 4	1	3	......	60.68	59.57	20.8	27.9	94	63	SE 1	ENE 4	4	4	......
19..	64.88	64.34	19.6	24.3	94	75	SSE 1	E 3	1	9	1.8	61.68	59.88	21.1	30.5	93	57	SSE 1	ENE 3	2	7	......
20..	64.46	62.67	22.5	26	89	72	ENE 1	E 3	9	9	2.3	61.94	58.78	22.5	30.5	92	57	SSE 1	ENE 2	8	6	......
21..	64.18	63.06	23.4	28.8	73	50	ENE 3	ENE 4	5	3	......	61.26	58.65	21.1	32.9	95	46	SE 1	N 2	3	2	......
22..	64.12	62.84	22.3	28.4	83	53	ESE 1	E 4	9	4	......	59.84	58.03	22.1	32.6	93	48	SE 1	E 3	9	2	......
23..	63.73	62.06	19.1	28.4	89	48	ESE 1	NE 4	1	2	......	60.15	58.34	22.2	32.4	95	53	E 1	NE 3	5	2	......
24..	63.06	61.11	19.6	29.4	93	56	SE 1	NE 4	3	3	......	61.37	59.14	21.1	32	95	44	SSE 1	ENE 2	2	2	......
25..	62.52	60.85	19.9	30.5	93	52	SE 1	ENE 3	1	1	......	61.31	59.86	21	27.6	95	62	SSE 1	NE 4	7	6	......
26..	62.60	61.81	22.1	29.5	90	53	ESE 1	NE 4	3	4	......	62.08	61.62	23.4	25.9	72	63	E 3	ENE 4	5	9	......
27..	63.31	61.45	21.7	28.9	81	44	ESE 1	NE 3	6	3	......	62.30	61.08	23.1	30.3	75	52	ENE 2	NE 2	3	7	......
28..	62.73	60.96	19.7	29.8	96	63	SE 1	NE 4	3	7	.3	62.28	60.64	22.5	29.8	85	48	SW 1	ENE 3	6	3	......
29..	62.57	60.45	22.2	29	88	59	ENE 1	E 3	3	8	......	......	......	......	......	......	......	......	......	......	......	......
30..	62.63	60.25	18.6	30.1	98	49	SE 1	NE 2	2	4	......	......	......	......	......	......	......	......	......	......	......	......
31..	62.26	60.44	20.9	29.9	92	53	ENE 1	NE 2	1	5	......	......	......	......	......	......	......	......	......	......	......	......
Mean	62.95	61.57	21.5	28.3	90.8	63.8	1.2	2.8	4.5	5.4	......	62.90	61.19	21.6	29.8	90.8	55.9	1.2	3	5	4.4	......
Total	......	......	......	......	......	......	......	......	......	......	51.8	......	......	......	......	......	......	......	......	......	......	14.9

Day.	MARCH.											APRIL.										
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.83	60.41	20	30.6	94	47	SSE 1	ENE 4	2	3	......	60.04	58.60	22.7	33.7	92	44	SE 1	SW 2	2	8	5.3
2..	61.55	60.85	20.2	30.7	91	45	SE 1	E 3	2	3	......	60.89	59.68	23.2	25.7	94	93	SSE 1	SE 1	7	9	8.9
3..	62.52	61.56	22.8	30.7	87	47	E 1	ENE 4	8	3	......	60.91	58.09	24.9	33	83	49	E 2	ENE 2	9	3	......
4..	62.67	61.90	22.7	31.1	89	43	ESE 1	NE 4	5	3	......	60.10	58.77	23.6	28.4	90	79	SE 1	SSW 1	8	8	1.5
5..	62.80	61.58	20.8	30.9	93	41	ENE 1	ENE 4	4	1	......	60.60	58.48	23.5	32.5	92	51	E 1	ENE 1	5	4	......
6..	62.46	60.94	18.9	31.5	94	39	E 1	E 2	2	1	......	60.76	59.68	24.6	32.9	91	44	ESE 1	NE 1	9	8	......
7..	62.10	61.03	21.8	30.2	93	51	SE 1	NE 3	2	3	......	60.82	58.58	23.1	33	90	43	E 1	NE 4	3	4	......
8..	62.05	60.98	21.5	30.5	92	42	E 1	ENE 4	4	3	......	59.80	57.74	23.7	33.8	88	40	ENE 1	E 3	4	3	......
9..	62.15	60.58	23.2	31.2	82	50	ENE 2	E 4	6	4	......	58.96	57.06	24.6	33.1	90	49	ESE 1	NE 3	8	4	......
10..	62.30	61	25.2	30.8	76	47	E 2	E 3	9	3	......	58.35	56.45	25	34.8	89	37	NE 1	E 2	8	2	......
11..	62.46	60.65	23.2	31.2	89	41	E 1	NE 4	9	2	......	58.65	56.96	24.3	29.5	91	78	SE 1	N 2	7	9	2
12..	63.05	60.88	22	32.9	92	45	E 1	NE 3	7	3	......	58.51	56.89	25	35.5	90	32	E 1	E 2	5	3	......
13..	62.55	61.14	21.9	31.7	91	45	ENE 1	E 3	2	2	......	59.09	56.92	24.7	35.3	82	29	E 1	SE 3	1	1	......
14..	62.15	60.90	21.7	30.8	92	53	ESE 1	NE 2	2	5	0.8	59.33	57.78	24.3	34.8	89	43	ESE 1	E 2	1	2	......
15..	62.69	61.15	21.3	32.5	94	40	SE 1	ENE 3	1	1	......	60.04	58.32	24.2	34.2	89	44	SE 1	ENE 3	1	3	......
16..	62.72	60.93	21.2	30.6	92	41	ESE 1	E 4	2	3	......	60.53	58.62	24.3	33.7	89	40	SE 1	ENE 4	2	1	......
17..	62	61.40	23	30.5	88	45	ESE 1	ENE 4	9	4	......	59.91	58.17	21.9	34.5	94	40	ENE 1	NE 4	3	2	......
18..	62.47	61.64	20.6	32	93	39	ESE 1	E 3	1	3	......	59.60	57.74	24.4	34.3	88	47	ENE 1	E 4	5	4	......
19..	63.06	61.83	23	31.9	88	49	ESE 1	NE 2	4	6	......	60.35	59.54	24.2	33.5	91	44	ESE 1	NE 3	3	1	......
20..	62.79	60.93	23.5	31.8	89	48	SE 1	E 2	3	4	......	61.41	60.35	25.6	33.4	83	40	E 1	ENE 4	2	1	......
21..	61.11	59.70	23.6	33.2	88	46	ENE 1	NE 2	1	4	......	62.25	59.38	24.2	33	86	38	E 1	ENE 3	5	1	......
22..	60.91	59	21.8	34	94	34	SE 1	ENE 2	2	3	......	60.99	58.74	23.8	34	89	39	E 1	NE 4	3	2	......
23..	60.75	58.90	23.2	33.8	88	43	SE 1	NNE 2	1	4	......	61.63	59.28	24.7	34.1	87	36	E 1	NE 4	3	2	......
24..	60.78	58.38	22.1	33.9	94	43	SE 1	NE 2	2	6	......	61.53	59.69	23.2	34.7	91	37	E 1	ENE 3	3	2	......
25..	60.99	59.32	21.6	33.1	93	41	E 1	ENE 4	2	1	......	61.15	59.21	22.8	33.6	93	41	E 1	ENE 2	2	2	......
26..	61.85	60.13	22.5	31.2	89	45	ESE 1	NE 4	2	3	......	60.24	58.16	24.6	34.9	86	34	E 1	ENE 3	1	3	......
27..	61	59.55	23	31.6	86	49	ESE 1	ENE 4	4	3	......	59.74	57.15	23.1	34.9	92	34	E 1	NE 3	1	2	......
28..	61	59.20	21.5	32.1	94	48	SE 1	ENE 3	2	3	......	58.96	56.86	25	35.2	88	39	SE 1	NE 4	4	4	......
29..	61.12	59.30	23.3	31.7	89	44	SE 1	NE 4	2	3	......	59.51	58.10	23.5	34.6	90	36	E 1	NE 4	5	1	......
30..	60.01	58.28	22.9	31.7	88	45	SE 1	ENE 4	2	3	......	59.76	58.37	24.4	34.1	91	41	E 1	NE 5	7	1	......
31..	59.26	57.09	23.3	32.3	88	51	NE 1	NE 2	8	7	......	......	......	......	......	......	......	......	......	......	......	......
Mean	61.84	60.36	22.2	31.7	90	44.7	1.1	3.2	3.6	3.2	......	60.15	58.31	24	33.4	89.3	44.7	1	2.9	4.2	3.3	......
Total	......	......	......	......	......	......	......	......	......	......	0.8	......	......	......	......	......	......	......	......	......	......	17.7

SANTA CRUZ, LAGUNA

[ϕ=14° 18′ N; λ=121° 25′ E; barometer above sea, 3.8 meters; gravity correction not applied, −1.73 mm.]

Day.	MAY.											JUNE.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ci.*			*0-10*	*0-10*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0-10*	*0-10*	*mm.*
1..	60.11	57.82	23.8	35.3	89	40	E 1	NE 5	1	1	......	59.48	57.43	25.9	32.7	91	53	SE 1	ENE 3	9	3	1
2..	60.33	58.10	23.7	34.6	92	41	E 1	NE 4	3	2	......	58.46	56.62	25.1	31.8	91	58	ESE 1	NE 3	8	8	......
3..	59.86	58.69	25	33	85	48	SE 1	ENE 4	8	5	1.3	58.05	55.75	25.4	33	91	52	ENE 1	E 2	6	3	......
4..	60.09	58.84	24.8	33.2	87	48	ENE 1	ENE 4	7	3	......	58.04	55.75	24.5	34.3	91	54	SE 1	NNW 1	5	3	......
5..	60.84	59.27	25	33.7	88	45	WSW 1	E 4	4	2	......	58.56	56.65	25.5	29.9	88	79	SE 1	WSW 1	4	8	2.8
6..	60.66	59.32	26	33.4	82	47	ESE 1	ENE 4	1	2	......	59.41	56.87	25.1	33.3	93	62	E 1	SSE 1	7	7	1.8
7..	60.16	58.31	25.1	33.8	84	43	NE 1	NE 3	2	3	......	59.85	57.31	23.7	33.5	94	55	SE 1	NE 2	9	5	2
8..	59.38	58.12	24.3	33.9	89	42	SE 1	NE 3	4	6	......	58.83	57.01	25	31.6	91	63	SSE 1	NE 3	8	9	6.1
9..	59.81	57.62	24.7	35.2	90	38	NNE 1	NE 3	2	2	......	56.37	54.04	24.1	26.1	96	91	NE 1	NW 1	10	10	106.2
10..	59.15	57.30	26	33.7	88	49	E 1	SE 1	4	6	......	52.01	53.63	24	24.5	96	95	SW 2	NE 1	10	10	48.2
11..	58.21	56.33	25	33.7	88	52	E 1	NE 3	3	8	.5	54.76	54.70	24.2	26.2	94	90	NNW 1	W 1	10	9	2
12..	58.49	56.45	24.6	27.1	93	87	SE 1	N 1	4	9	16.7	55.52	54.15	23.6	32.2	97	68	NNE 1	SSE 1	8	6	......
13..	58.52	56.21	24.9	34.9	92	47	SE 1	SE 1	3	7	......	56.76	55.09	25.8	30.2	95	74	ENE 1	NW 1	5	7	6.1
14..	58.06	56.69	24.7	27.4	94	76	E 1	SE 1	7	8	......	56.87	55.69	24.1	28.4	96	86	S 1	WSW 1	4	9	2
15..	57.45	56.07	24.1	35	95	51	ESE 1	W 1	8	3	......	57.46	56.47	24.5	31.2	96	67	SE 1	WSW 4	9	9	.8
16..	57.05	55.87	25	29.7	89	60	ESE 1	SSE 2	7	9	......	57.64	57.64	24.9	30.3	94	72	SE 1	NW 2	2	5	2.8
17..	57.34	55.86	24.4	30	97	59	SSE 1	SW 2	5	9	......	58.40	57.28	23.9	30.4	96	74	ENE 1	NW 1	1	7	......
18..	57.34	55.12	24.7	34	90	58	S 1	W 2	3	7	......	57.55	56.42	24.9	31.6	94	65	SE 1	NW 3	4	9	......
19..	57.55	55.21	25.2	35.4	92	45	ENE 1	N 2	9	7	9.9	57.15	55.45	24	31.9	94	65	S 1	W 1	9	6	6.6
20..	58.71	56.23	25.1	34.4	94	55	ESE 1	NW 2	9	6	......	57.62	56.58	24	29.9	96	72	SSE 1	W 1	9	9	4.3
21..	58.97	57.22	24.9	34.6	93	56	SSE 1	W 1	9	7	31.5	58.50	57.09	24.1	32.1	93	63	E 1	WSW 1	1	2	......
22..	59.26	56.87	25	34.1	94	57	SE 1	SSW 1	6	9	......	59.16	57.72	24.1	31.2	93	67	WNW 1	W 3	4	9	......
23..	59.05	56.50	25.2	35.3	92	48	SSE 1	NW 1	5	4	......	58.61	57.28	24.4	32.4	92	59	SSW 1	W 2	9	3	......
24..	58.70	56.89	25.7	30.2	93	67	SE 1	SE 1	6	9	......	58.32	56.99	24.8	30.6	93	70	S 1	W 2	7	8	5.1
25..	59.05	56.98	25.3	34.3	93	52	SE 1	WNW 1	6	9	......	57.95	56.05	25.4	27.1	89	87	S 1	SE 2	7	9	4
26..	58.05	56.19	25.6	30.6	93	65	SE 1	SE 1	9	9	......	56.61	55.61	24.6	25	93	95	S 1	NW 1	10	10	24.7
27..	57.19	55.56	25.4	29	95	76	SE 1	S 1	8	9	10.7	56.52	55.38	23.6	32.3	95	62	ENE 1	NNE 1	5	7	......
28..	56.64	54.98	24.9	32.7	92	60	SE 1	SE 1	6	7	56.9	59.02	57.55	24.3	33.2	94	56	ESE 1	S 1	1	2	2.5
29..	56.86	55.86	24.5	29.7	96	70	ESE 1	SW 2	8	9	2	59.95	57.67	24	32.6	95	68	E 1	NW 2	1	5	......
30..	57.35	56.39	26.6	31	75	61	SSE 1	ESE 2	9	7	.8	58.17	56.24	24.4	26.8	93	92	SSE 1	WSW 1	9	9	9.7
31..	58.55	57.84	24.9	30.9	88	64	SE 1	NE 3	9	9	......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	......
Mean	58.67	56.93	25	32.7	90.4	55.1	1	2.2	5.6	6.2	......	57.72	56.27	24.5	30.5	93.5	70.5	1	1.7	6.4	6.9	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	130.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	238.7

Day.	JULY.											AUGUST.										
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0-10*	*0-10*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0-10*	*0-10*	*mm.*
1..	55.37	53.30	24.8	29.3	95	72	S 1	W 1	10	10	9.7	54.09	53.88	26.1	29.3	82	81	WSW 3	SW 5	4	10	5.1
2..	55.37	55.14	24	25.7	96	88	ESE 1	SW 1	10	10	46	55.37	54.51	25.5	27.5	95	91	WSW 1	SW 2	10	9	13.2
3..	58.56	59.17	22.2	26.7	96	85	WSW 1	W 1	10	10	37.6	55.52	55.47	24.5	25.7	98	93	S 1	W 3	10	10	2.8
4..	60.53	59.24	22.1	31.5	96	63	SSE 1	WNW 1	9	4	......	56.06	54.87	25.2	26.8	90	90	W 2	WSW 1	10	10	3.6
5..	60.50	59.30	23.5	31.8	94	64	SSE 1	NNE 1	9	8	......	55.96	55.67	24.2	25.1	94	91	W 1	W 1	10	10	62.9
6..	59.62	58.06	24.2	31.6	95	62	ENE 1	E 1	3	9	......	55.07	55.25	23.6	24.8	89	79	WSW 1	W 5	10	10	18.8
7..	60.64	59.40	23.5	30	95	74	SE 1	WSW 1	3	8	.5	52.59	52.37	25.8	26	85	92	WSW 4	W 2	10	10	72.7
8..	60.14	59.23	23.3	32.3	94	61	SE 1	ENE 2	3	7	......	53.08	52.72	25.1	26.9	95	85	W 3	WSW 3	10	10	18.5
9..	59.94	57.59	23.9	32.7	94	65	ESE 1	WNW 1	2	7	.8	53.60	54.22	24.6	24.9	95	92	WSW 2	W 5	10	10	46.9
10..	58.86	57.12	23.5	32.8	96	53	ENE 1	WSW 1	2	5	......	54.31	54.44	24.5	25	96	92	WSW 3	WSW 4	10	10	42
11..	58.85	57.43	23.1	32.9	94	64	SSE 1	WNW 1	2	6	......	53.64	53.39	25.3	25	89	92	WSW 4	WSW 4	10	10	86.4
12..	59.69	58.06	23.5	33.1	92	64	SSE 1	W 1	3	7	3.6	52.96	53.80	24.4	25.1	92	92	W 4	W 2	10	10	115
13..	59.41	58.12	23.4	33.2	94	47	SSE 1	S 2	2	3	......	54.37	54.81	24.2	25.5	94	92	W 2	W 1	10	10	53.8
14..	59.39	57.24	24	33.1	94	63	SSE 1	W 1	5	4	......	56.62	56.21	24.2	28.4	93	77	WSW 1	W 2	10	10	3.3
15..	58.31	56.52	23.4	33.1	92	60	SE 1	W 1	2	6	......	56.88	56.51	24.5	27	91	83	WSW 3	SW 3	10	10	20.8
16..	58.39	56.35	23.6	31	95	68	S 1	SW 1	6	7	......	57.78	58.51	22.8	26.4	95	82	SW 1	NW 4	10	10	4.1
17..	58.42	57.49	23.5	30.9	95	67	SSE 1	WSW 1	9	7	......	58.84	58.22	24	30.3	93	72	WSW 1	W 4	10	7	3.3
18..	58.51	57.01	23.5	30	96	81	SSE 1	WSW 1	8	9	3.3	58.93	57.44	24	31	94	65	SSE 1	W 1	9	7	.3
19..	57.88	56.47	22.5	32.9	96	54	SE 1	E 3	1	9	2.8	58.23	57.28	24.3	29.7	93	69	S 1	W 1	10	9	2.8
20..	56.53	56.47	23	27.4	97	81	SE 1	N 1	8	10	7.6	54.45	51.92	24.9	25.3	92	93	W 3	WSW 5	10	10	21.9
21..	56.61	55.51	23.2	29	97	79	S 1	NE 3	5	9	1.3	56.37	56.29	24.3	29.9	90	71	SSW 1	W 2	10	10	1.3
22..	56.51	55.64	24	27.6	91	86	SSE 1	S 1	7	10	5.6	58.78	57.48	23.6	32.6	90	58	SSW 1	W 2	7	6	14.2
23..	56.29	55.57	24	27.9	96	81	SE 1	NE 1	8	10	.3	58.76	57	23.4	30	94	70	SSE 1	W 3	6	9	.5
24..	56.16	54.55	23.3	25.6	94	97	S 1	S 1	9	10	24.9	56.38	55.10	25	28.9	92	75	SW 1	W 4	10	10	14.5
25..	56.29	55.60	23.6	29.9	98	72	SE 1	NW 1	9	10	4.1	55.50	54.77	24.7	25	94	91	W 1	W 1	10	10	83
26..	56.89	54.73	23.8	30.9	97	69	S 1	W 2	9	10	.8	56.11	57.59	23.6	25.5	95	87	N 1	WSW 2	10	10	14.5
27..	54.03	53.28	24.5	29.3	97	79	S 1	W 4	10	10	55.1	58.33	58.27	22.7	27	95	78	NNE 1	W 1	10	10	2
28..	54.51	54.21	23.6	24.9	97	96	SW 1	N 1	10	10	55.1	58.10	57.42	22.8	26.5	95	82	SSW 1	WSW 4	10	10	12.4
29..	54.29	54.44	24.4	24	97	97	W 2	W 1	10	10	114	57.24	55.16	22.9	28	96	80	SSW 1	W 1	10	10	4.1
30..	53.61	53.13	24	26.5	97	94	W 1	W 1	10	10	27.9	55.64	55.27	25	25.5	87	91	WSW 1	WSW 2	10	10	38.8
31..	53.65	52.81	24	31.9	92	70	W 1	WSW 5	9	6	7.1	56.07	55.23	24.5	25	86	88	W 2	W 3	10	10	20.5
Mean	57.54	56.39	23.6	30	95.1	72.8	1	1.5	6.5	8.1	......	55.99	55.52	24.3	27.1	92.2	83	1.7	2.7	9.5	9.6	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	408.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	804

SANTA CRUZ, LAGUNA

[φ=14° 18′ N; λ=121° 25′ E; barometer above sea, 3.8 meters; gravity correction not applied, —1.73 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	56.01	55.17	24.7	30.6	87	68	SW 3	WSW 4	10	10	5.1
2..	57.32	57.36	24	30.5	93	68	ENE 1	WNW 1	10	10	......
3..	59.23	59.20	22.5	30.6	91	62	S 1	WNW 2	9	10	......
4..	60.16	58.77	22.8	31.3	93	65	SSE 1	W 2	2	3	.3
5..	60.13	58.05	22.5	31.2	91	61	SSE 1	WNW 2	2	4	3.8
6..	59.04	57	24	31.8	98	61	SE 1	NNE 2	8	6	6.1
7..	57.51	56.71	24	28.8	94	76	SSE 1	SW 1	10	10	1
8..	57.46	56.27	23	31.1	95	58	SSE 1	NNE 2	9	10	......
9..	58.39	57.81	23.9	25.5	92	91	SSE 1	WSW 1	9	10	4.9
10..	58.20	55.85	22.6	29.4	94	71	SSE 1	N 2	9	9	3.8
11..	56.44	56.28	23.9	24.7	92	91	E 1	S 1	10	10	52.8
12..	55.79	54.17	23	27.9	95	81	SE 1	WSW 1	10	10	1.3
13..	55.22	54.40	24.5	26	95	85	Calm	W 2	10	10	16.3
14..	56.74	55.49	22.5	28.8	96	73	SSE 1	W 2	4	9	......
15..	57.41	56.43	23.7	28.7	90	71	SE 1	SSE 3	3	9	14
16..	58.64	57.19	24.1	27.1	94	79	E 1	NNE 2	10	10	20.8
17..	59.82	58.78	23.9	29.3	86	64	ESE 2	E 3	10	10	8.9
18..	61.07	59.62	23	28.5	95	68	NE 1	NNE 2	8	8	3
19..	60.59	59.31	24.2	29.9	85	64	SE 1	NE 3	7	6	......
20..	59.75	58.44	24	27.7	89	73	SSE 1	ENE 2	6	9	1
21..	59.96	58.37	25	28.2	83	69	SE 2	NE 4	9	9	.8
22..	60.15	58.89	25	28.8	83	71	SSE 1	NNE 4	9	7	......
23..	59.62	58.66	25.5	30.2	79	62	SSE 2	ENE 4	8	4	......
24..	59.80	58.87	22.4	30.4	89	63	SE 1	NE 4	2	4	......
25..	59.91	59.14	23.5	29.9	90	65	SSE 1	NE 4	1	7	2.3
26..	60.17	59.37	25	30.2	88	66	SE 1	E 4	6	5	.5
27..	59.77	58.67	23	30.8	95	58	S 1	NNE 4	9	7	......
28..	59.68	58.41	22.7	28.4	94	75	SSE 1	NNE 4	6	9	3.6
29..	59.81	57.67	23.5	31.1	94	58	SSE 1	SE 3	2	4	......
30..	59.92	57.71	22.5	30.7	95	59	SSE 1	NE 3	6	2	2
31..	.....	.....	.....	.....	.....	.....	....	....	....	....	......
Mean	58.79	57.60	23.6	29.3	91.2	69.2	1.1	2.6	7.1	7.7	......
Total	.....	.....	.....	.....	.....	...	....	....	....	....	152.3

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.19	57.88	21.7	29.9	95	67	SSE 1	NE 3	1	5	0.5
2..	58.44	56.14	22.5	31.8	94	60	SSE 1	W 1	1	4	....
3..	58.23	56.02	24.6	32.2	92	60	SSE 1	WSW 1	9	3	.5
4..	58.27	56.44	24.7	32.4	92	62	SE 1	WSW 2	7	7	......
5..	57.62	56	24.5	29.6	92	74	SE 1	SSW 3	6	10	15.5
6..	58.32	56.39	24.4	31.4	91	60	SSE 1	E 3	5	4	......
7..	59.11	57.48	24.2	29.3	94	72	S 1	NNE 1	7	9	27.7
8..	58.26	56.43	23.5	26.4	96	81	NW 1	S 1	10	10	30.2
9..	56.53	55.26	23.9	26	96	89	S 1	NNW 1	10	10	25.9
10..	56.47	55.02	23.5	28.1	95	79	S 1	SSE 2	9	9	21.3
11..	58.37	57.65	24.4	26.2	91	86	E 1	SSE 1	9	10	7.1
12..	60.67	58.76	24	30.8	95	68	SSE 1	E 3	10	9	5.1
13..	60.72	58.75	23.5	31	92	64	E 1	NE 3	7	9	......
14..	59.14	57.07	23.5	27.2	94	78	NE 1	NE 4	7	10	73.7
15..	56.44	55.21	24.6	27.8	94	79	S 2	E 5	10	10	40.9
16..	56.72	5[illegible].78	24.9	31.1	89	64	SE 1	SE 3	8	6	......
17..	58.24	56.38	24	31.6	95	59	S 1	W 2	9	4	9.4
18..	58.07	56.38	23.9	29.9	96	74	S 1	WSW 2	1	7	2.3
19..	58.50	56.23	25.2	30.7	94	63	SE 1	W 2	10	7	16
20..	59.07	57.95	24.4	28.4	93	72	SE 1	NE 2	10	10	2.8
21..	60.27	59.45	25.3	27.1	77	72	ESE 2	NNE 5	9	9	......
22..	60.73	59.49	22.7	25.1	94	86	S 1	NNE 2	6	10	7.6
23..	60.20	59.24	23.5	30.2	95	64	SSE 1	NE 3	4	4	......
24..	60.17	58.66	22.5	29	96	69	SSE 1	NE 3	3	8	1.6
25..	59.77	58.11	23.6	29	94	68	Calm	NE 4	5	7	19.3
26..	60.44	58.16	24	29.8	93	67	SE 1	S 3	8	6	54.1
27..	60.62	59.69	24	25.9	96	88	SSE 1	NNE 1	10	9	19.8
28..	60.15	58.42	24	28.7	96	73	SE 2	E 3	9	7	6.6
29..	59.76	58.59	24.6	26.5	92	87	ESE 1	SSE 1	10	9	22.1
30..	59.65	58.64	24.5	27	92	84	SSE 1	NE 3	9	10	23.2
31..	59.65	58.16	24.5	28.7	87	74	SE 1	E 3	9	8	12.7
Mean	58.96	57.41	24	29	93	72.4	1.1	2.5	7.4	7.7	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	445.9

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.46	59.24	24.9	25.2	86	90	E 3	NE 5	9	10	17.8
2..	60.30	59.40	24.3	28	91	77	E 1	ENE 2	9	9	2
3..	59.82	58.40	26	29.8	84	69	E 2	ENE 3	9	4	11.4
4..	60.01	58.38	24.8	29.6	85	70	SE 2	ENE 4	7	3	7.1
5..	59.52	57.94	25.4	30.2	88	60	ENE 1	ENE 4	10	3	1.5
6..	59.24	57.56	24	27.5	93	81	S 1	SSE 2	9	4	.5
7..	59.62	58.26	23.7	29.5	89	72	SSE 1	E 4	10	4	21.1
8..	59.87	58.15	22.7	29.4	93	65	E 1	E 4	2	4	......
9..	58.92	56.76	22	31.2	96	52	SSE 1	E 2	4	4	......
10..	58.24	56.13	23.5	30	95	65	SSE 1	W 1	9	9	6.9
11..	57.81	55.74	23	30.8	95	59	NE 1	ENE 3	7	6	.5
12..	58.36	56.75	23.5	31	90	63	Calm	E 2	9	7	......
13..	58.80	58.24	24.8	27.5	89	71	NE 2	NE 4	10	9	.3
14..	59.35	58.12	22.6	28.3	88	62	SSE 1	NE 4	9	9	......
15..	59.56	57.96	25.1	26.3	75	72	NE 3	NE 5	10	10	......
16..	58.67	57.06	23	28	91	73	Calm	ENE 4	9	9	......
17..	58.03	57.24	22.3	28	95	70	S 1	E 4	4	9	23.4
18..	56.30	55.79	24	25	92	85	N 4	NNE 3	10	10	15.3
19..	58.47	56.75	24.5	29.5	87	69	SE 2	E 3	7	5	30
20..	58.67	57.16	24.3	29.2	86	79	SE 2	N 2	7	4	1.8
21..	58.56	56.46	22.5	30.7	96	66	SSE 1	N 1	4	6	5.6
22..	59.25	58.61	24.5	26.8	82	67	SE 2	NE 3	10	9	......
23..	60.26	59.35	24.2	27	75	69	NE 3	NE 3	10	10	......
24..	60.47	59.70	23.5	26	81	65	SE 2	NE 4	10	9	6.1
25..	60.77	59.36	21.8	26	89	68	NE 2	E 4	9	9	......
26..	60.98	59.09	20.2	27.4	93	64	SSE 1	NE 3	4	5	2
27..	59.28	58.35	23	25.3	96	92	SSE 1	S 1	10	10	30.7
28..	59.30	58.90	25.3	29	86	74	E 1	SE 3	9	8	4.1
29..	60.63	59.14	24.5	27	90	80	N 2	E 4	10	8	52.1
30..	60.19	59.50	24.5	26.1	92	85	NNE 2	NE 2	10	9	56.6
31..	.....	.....	.....	.....	.....	.....	....	....	....	....	......
Mean	59.29	57.98	23.7	28.2	88.9	71.1	1.6	3.1	8.2	7.2	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	296.8

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	60.29	58.10	25.5	26	84	87	NE 2	NNE 1	8	9	11.7
2..	60.31	59.39	25.5	28.5	80	70	E 1	NNE 3	10	8	......
3..	59.27	58.12	25.1	25.7	81	86	E 2	SSE 1	7	10	18.8
4..	57.96	56.28	23.5	25.7	95	79	ESE 1	ESE 2	10	10	10.2
5..	56.44	55.46	25	27	87	87	E 2	ENE 2	9	9	7.4
6..	56.73	56.09	25.1	29.5	85	74	ESE 2	SSE 1	7	9	
7..	58.04	57.38	22.2	31	92	65	S 1	SE 2	2	5	.3
8..	58.93	57.61	23	30.5	96	62	Calm	E 2	3	3	......
9..	59.14	58.41	23.4	30	93	62	S 1	E 3	3	3	.5
10..	60.47	59.14	23.7	26.2	91	83	SSE 1	NE 1	5	9	21.6
11..	60.63	59.34	22.5	28.9	96	63	SSE 2	NE 4	5	3	1.3
12..	60.13	58.35	21.7	30.3	96	60	S 1	NE 3	9	4	......
13..	59.25	57.15	22	28.8	95	68	SSE 1	E 3	4	4	......
14..	58.61	57.10	24	26.6	86	72	NE 3	NE 4	10	9	......
15..	58.78	58.30	23.5	27.5	90	70	SSE 1	E 2	10	10	.5
16..	59.56	58.96	24	26.4	86	76	ESE 2	ENE 3	10	9	......
17..	60.54	60.20	24.5	27.1	79	73	E 3	NE 4	8	7	.8
18..	61.29	60.54	24	26.3	87	78	E 2	NE 4	10	9	.8
19..	61.93	61.39	24	24.9	82	81	ENE 3	E 3	10	9	......
20..	61.86	60.85	22	27.4	96	70	SSE 1	E 3	9	8	.5
21..	62.21	61.50	22.6	26.4	91	79	SE 1	NE 3	6	7	.5
22..	62.15	60.79	23.7	28	83	70	ENE 2	ENE 3	2	8	7.1
23..	61.[illegible]0	60.37	22.5	25.7	94	85	SE 1	NE 2	7	9	1.3
24..	60.73	58.70	22	30.4	97	59	S 1	SE 1	2	3	......
25..	59.62	59.25	22.3	28.4	95	68	SSE 1	NE 3	9	7	......
26..	60.50	59.29	23.8	27.5	91	76	SE 1	NE 3	9	9	.5
27..	60.26	59.25	22.5	28.8	96	69	S 1	SE 1	10	8	.6
28..	60.36	59.17	23.9	27.2	96	78	SSE 1	NE 3	10	10	2
29..	61.65	61.46	23	25	88	76	E 1	NNE 4	10	10	1.6
30..	62.57	62.52	22.5	23.6	74	66	NE 4	NE 4	10	10	......
31..	63.23	62.02	21.9	25.5	66	61	NE 3	NE 3	10	10	......
Mean	60.16	59.11	23.4	27.4	88.6	72.7	1.6	2.6	7.5	7.7	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	88

ANTIPOLO

[ϕ=14° 36′ N; λ=121° 10′ E.]

Day.	JANUARY.											FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	.....	.....	21.5	30.4	88	61	Calm	NE 1	3	8	.....	.....	.....	19.5	31.9	86	46	Calm	SE 2	3	2	.....
2	.....	.....	22.5	27.1	91	82	Calm	SE 1	2	10	8.9	.....	.....	20	29.7	91	54	Calm	NE 2	3	7	.....
3	.....	.....	21.4	30.7	95	59	Calm	E 2	4	5	7.6	.....	.....	19	31.5	87	42	Calm	NE 2	2	1	.....
4	.....	.....	22	26.5	96	86	Calm	SW 2	10	9	3.8	.....	.....	17.6	31.5	88	33	Calm	NE 2	1	1	.....
5	.....	.....	22	28.7	91	63	Calm	NE 2	10	10	1.3	.....	.....	20.2	28.3	90	55	Calm	E 4	10	8	.....
6	.....	.....	21.3	26.5	90	66	Calm	NE 3	10	9	.....	.....	.....	21.5	29	82	53	NE 1	NE 3	8	8	.....
7	.....	.....	23	28.6	87	63	NE 1	NE 3	8	7	.....	.....	.....	21	29.5	89	52	Calm	NE 3	8	7	.....
8	.....	.....	21	26.5	91	73	Calm	NE 3	10	10	1.3	.....	.....	21.3	28.4	88	66	Calm	SE 2	9	10	.....
9	.....	.....	21	30	95	59	Calm	E 2	8	7	.....	.....	.....	20.5	30.8	82	40	NE 1	NE 2	4	3	.....
10	.....	.....	19.3	30.9	92	57	Calm	S 2	10	3	.....	.....	.....	19	31.5	84	40	Calm	NE 2	1	2	.....
11	.....	.....	19	30.6	90	55	Calm	SE 1	8	3	.....	.....	.....	18.3	32.7	82	39	Calm	NE 2	3	2	.....
12	.....	.....	20.4	29.6	96	61	Calm	SW 1	6	7	.....	.....	.....	19.5	29.4	81	58	Calm	NE 3	2	3	.....
13	.....	.....	19.5	28.3	95	67	Calm	Calm	6	7	.....	.....	.....	22.3	32.5	88	44	Calm	NE 3	7	3	.....
14	.....	.....	19.5	29.1	90	64	Calm	SSE 1	8	8	.....	.....	.....	22.1	31.4	85	43	Calm	NE 2	4	3	.....
15	.....	.....	20.4	30.9	91	50	Calm	SE 2	8	4	.....	.....	.....	20	31.7	83	51	Calm	NE 1	2	7	.....
16	.....	.....	21	26.3	91	68	Calm	NE 1	10	8	.....	.....	.....	20.5	32	90	50	Calm	S 2	3	4	.....
17	.....	.....	20	30.5	87	47	Calm	NE 3	2	2	.....	.....	.....	21	31.2	91	53	Calm	SW 2	3	4	.....
18	.....	.....	19	30	90	48	Calm	NE 2	0	3	.....	.....	.....	20.5	31.8	93	48	Calm	SE 2	8	4	.....
19	.....	.....	19	28	86	56	Calm	E 1	1	8	.....	.....	.....	22	31	87	51	Calm	NE 2	7	3	.....
20	.....	.....	19.6	27	89	61	Calm	NE 3	2	8	.....	.....	.....	22	31.7	91	50	E 1	SE 2	8	6	0.3
21	.....	.....	20.5	29.5	82	54	E 1	NE 3	3	2	.....	.....	.....	20.3	33.8	90	36	Calm	S 1	4	2	.....
22	.....	.....	19	27.9	90	47	Calm	NE 2	3	8	.....	.....	.....	21.5	33.6	87	46	Calm	SE 2	10	3	.....
23	.....	.....	18.2	29.9	85	42	Calm	NE 1	2	1	.....	.....	.....	21	32.4	88	48	Calm	S 1	4	7	.....
24	.....	.....	19.6	30.3	77	45	Calm	SE 2	3	2	.....	.....	.....	21.5	31.5	85	51	Calm	SE 1	3	9	.....
25	.....	.....	19	32.4	86	46	Calm	SSE 2	1	3	.....	.....	.....	20.8	30.5	82	50	Calm	NE 2	8	9	.....
26	.....	.....	20	30.4	89	43	Calm	E 2	2	4	.....	.....	.....	21	31	79	50	NE 2	NE 2	10	10	.....
27	.....	.....	17.7	30.8	85	42	Calm	NE 2	4	2	.....	.....	.....	21.5	32.4	82	42	NE 1	NE 2	4	8	.....
28	.....	.....	19.2	29.3	88	66	Calm	NE 2	8	7	.5	.....	.....	20.3	31.4	82	42	Calm	SW 1	9	5	.....
29	.....	.....	20.5	29	91	59	SE 1	ENE 3	10	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	.....	.....	18.7	31.3	80	42	Calm	E 2	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	.....	.....	18.3	31.1	79	52	Calm	SE 2	1	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	.....	.....	20.1	29.3	88.8	57.5	0.1	1.9	5.3	5.8	.....	.....	.....	20.6	31.2	86.2	47.6	0.2	2.1	5.3	5	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.3

Day.	MARCH.											APRIL.										
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1	.....	.....	20	33.4	81	38	Calm	SE 1	6	4	.....	.....	.....	22.5	30	93	68	Calm	SE 2	2	4	.....
2	.....	.....	19.2	31.3	88	46	Calm	NE 1	3	4	.....	.....	.....	24.5	30.3	83	68	Calm	SE 2	3	9	15.7
3	.....	.....	21.8	30.2	74	47	Calm	NE 2	10	4	.....	.....	.....	24.2	33.5	90	50	Calm	SE 2	8	3	.....
4	.....	.....	20.5	31	84	45	Calm	SE 2	8	6	.....	.....	.....	23	32.8	87	51	Calm	SE 1	9	7	.....
5	.....	.....	21.5	33	74	39	Calm	NE 2	8	1	.....	.....	.....	23.3	32	80	52	Calm	S 1	3	6	.....
6	.....	.....	21	32.5	75	37	Calm	SE 2	2	1	.....	.....	.....	24.3	31.3	84	58	Calm	E 1	8	8	.....
7	.....	.....	22	32.7	78	42	Calm	NE 1	2	4	.....	.....	.....	22.4	31.5	82	56	Calm	SE 2	3	8	.....
8	.....	.....	20.4	33	80	40	Calm	SE 3	5	3	.....	.....	.....	24.5	34.1	79	41	E 1	NE 2	4	6	.....
9	.....	.....	22.8	31.5	78	52	E 1	E 2	4	5	.....	.....	.....	23.5	33.4	82	53	Calm	NE 1	6	8	.....
10	.....	.....	23.7	32.5	79	41	Calm	E 2	3	4	.....	.....	.....	24	35.2	86	39	Calm	NE 2	9	1	.....
11	.....	.....	22.3	33.4	74	41	NE 2	NE 3	2	2	.....	.....	.....	23.8	29.9	88	69	Calm	SE 1	8	9	.....
12	.....	.....	20.7	31	80	47	Calm	NE 1	1	7	.....	.....	.....	23.5	34.5	91	45	Calm	SE 2	5	4	.....
13	.....	.....	21	33.8	82	39	Calm	NE 2	2	3	.....	.....	.....	23.7	36	87	31	Calm	SE 2	2	3	.....
14	.....	.....	21.3	28	79	65	Calm	SE 3	1	9	.....	.....	.....	22.3	35.6	81	39	Calm	SE 1	2	2	.....
15	.....	.....	20.6	31.3	83	51	Calm	SW 1	2	6	.....	.....	.....	22.2	36	82	41	Calm	SSE 2	1	3	.....
16	.....	.....	22	33.8	76	33	NE 1	ESE 1	2	3	.....	.....	.....	24.4	36.6	78	33	Calm	NE 1	2	3	.....
17	.....	.....	19.9	34.9	79	32	Calm	NE 2	8	3	.....	.....	.....	23.5	34.7	71	35	N 1	SE 3	0	6	.....
18	.....	.....	21.5	33.3	79	37	Calm	NE 2	1	2	.....	.....	.....	23.8	35.9	77	39	Calm	SE 2	5	3	.....
19	.....	.....	21	31.3	82	53	Calm	Calm	4	7	0.8	.....	.....	24	36.6	79	38	NE 1	SE 3	4	3	.....
20	.....	.....	22.5	31.6	84	54	Calm	E 3	7	7	1.8	.....	.....	23.5	35	72	30	NE 1	ESE 3	1	3	.....
21	.....	.....	21.9	33.9	82	38	Calm	SE 3	1	2	.....	.....	.....	24.1	35.3	78	31	Calm	SE 2	3	1	.....
22	.....	.....	21.5	34	82	42	Calm	SE 2	7	2	.....	.....	.....	22.2	34.9	81	36	Calm	SE 2	2	3	.....
23	.....	.....	22.2	34.7	84	38	Calm	SE 2	1	2	.....	.....	.....	22.7	35.5	79	36	Calm	NE 1	2	3	.....
24	.....	.....	21.5	35.1	87	40	Calm	SE 2	1	3	.....	.....	.....	24.3	34.8	81	39	NE 1	NE 1	2	6	.....
25	.....	.....	22.5	36	86	27	Calm	SE 3	2	2	.....	.....	.....	22.5	35.2	78	36	Calm	SE 2	1	3	.....
26	.....	.....	23.8	33.5	77	35	Calm	NE 2	2	2	.....	.....	.....	23	33.8	79	48	Calm	N 2	2	6	.....
27	.....	.....	22.4	33.9	75	39	NE 1	NE 3	2	2	.....	.....	.....	22.9	35.6	82	40	Calm	SE 3	1	3	.....
28	.....	.....	21.8	35.5	79	33	Calm	SE 2	2	3	.....	.....	.....	23.3	33.5	76	47	Calm	SSE 2	2	3	.....
29	.....	.....	22.3	32.5	78	45	SE 1	NE 2	2	6	.....	.....	.....	24.5	37.4	75	32	Calm	E 2	4	2	.....
30	.....	.....	23.5	32.4	75	46	NE 2	SE 2	2	6	.....	.....	.....	24.9	37.4	70	33	Calm	SE 2	8	2	.....
31	.....	.....	22	29.4	86	68	Calm	SE 3	8	4	5.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	.....	.....	21.6	32.7	80	42.9	0.3	2	3.6	3.8	.....	.....	.....	23.5	34.3	81	43.8	0.2	1.8	3.7	4.4	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15.7

ANTIPOLO

[ϕ=14° 36′ N; λ=121° 10′ E.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1	.....	.....	23.7	35.8	73	30	Calm	SE 3	1	1	.....
2	.....	.....	23.5	37.8	77	33	Calm	NE 1	2	3	.....
3	.....	.....	24.8	30.5	75	64	NE 1	NE 3	8	6	1.5
4	.....	.....	23.9	31.9	79	58	Calm	NE 2	2	4	.....
5	.....	.....	24.2	35.2	67	38	Calm	NE 2	4	3	.....
6	.....	.....	23.8	36	82	40	Calm	NE 2	2	3	.....
7	.....	.....	24.7	35.9	75	36	N 1	ESE 2	2	3	.....
8	.....	.....	24	36	81	40	Calm	SE 3	8	6	.....
9	.....	.....	24.1	35.5	81	43	Calm	SE 3	2	4	.....
10	.....	.....	23.6	35.6	80	42	Calm	SSE 2	4	7	.....
11	.....	.....	23.8	36.3	82	38	Calm	SW 2	3	8	.....
12	.....	.....	24.6	35.1	90	47	Calm	SE 2	8	6	.....
13	.....	.....	24.8	34	85	48	Calm	SE 2	4	8	9.1
14	.....	.....	23.4	33.3	96	55	Calm	SSE 2	9	9	.....
15	.....	.....	24.4	35.4	95	38	Calm	NW 1	10	3	.....
16	.....	.....	24.9	35.3	92	47	Calm	SW 2	9	5	.....
17	.....	.....	24.8	34	92	52	Calm	SW 2	8	4	.....
18	.....	.....	24.5	34.7	90	46	Calm	SW 2	8	6	.....
19	.....	.....	25.8	33.3	89	49	Calm	SW 2	9	9	2.8
20	.....	.....	24.5	35.4	96	47	Calm	SW 1	10	6	.3
21	.....	.....	25	36.3	92	44	Calm	SE 2	10	3	59.2
22	.....	.....	24.4	30.9	94	66	Calm	NE 2	6	9	45.2
23	.....	.....	24.8	32.5	95	59	Calm	SW 1	8	7	.....
24	.....	.....	25.2	30	93	73	Calm	NE 2	8	9	6.6
25	.....	.....	24.4	32	96	63	Calm	SW 1	7	9	.....
26	.....	.....	25.2	34.5	97	46	Calm	SW 2	9	7	.....
27	.....	.....	24.3	28.4	96	80	Calm	NE 1	9	10	9.1
28	.....	.....	24.5	28.6	94	82	Calm	SW 1	8	7	55.4
29	.....	.....	24.5	27.7	96	83	Calm	SE 1	8	9	15.5
30	.....	.....	23.5	32.9	90	56	Calm	E 2	9	5	.....
31	.....	.....	24.5	31.3	92	64	Calm	SE 1	9	9	.....
Mean	.....	.....	24.4	33.6	87.8	51.8	0.1	1.8	6.6	6.1	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	204.7

JUNE.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1	.....	.....	24.4	34	90	53	Calm	ESE 2	10	5	.....
2	.....	.....	24	30.3	91	69	Calm	E 2	4	9	.....
3	.....	.....	23.5	28.5	91	80	Calm	Calm	3	7	29.2
4	.....	.....	23.3	33	96	54	Calm	SW 1	6	2	.....
5	.....	.....	25	33	95	58	Calm	SW 1	7	6	1.5
6	.....	.....	24	31.3	94	69	Calm	SW 1	6	5	.....
7	.....	.....	23.9	30.9	95	71	Calm	NW 1	9	8	.....
8	.....	.....	24	28.4	91	82	Calm	S 2	3	9	28.4
9	.....	.....	24	26	96	95	NW 1	NW 1	10	10	11.9
10	.....	.....	23.1	22.9	98	97	NNW 3	SE 2	10	10	127.8
11	.....	.....	23	25.4	97	92	E 1	SE 1	10	10	12.5
12	.....	.....	23.5	31.5	96	66	E 1	SW 2	8	6	.....
13	.....	.....	24.2	32.5	92	65	Calm	W 2	3	7	4.1
14	.....	.....	24	29.1	96	78	Calm	SW 1	6	4	5.4
15	.....	.....	24.6	28.9	93	76	Calm	W 2	9	8	.8
16	.....	.....	24.5	28.5	96	75	Calm	NW 1	8	7	2.5
17	.....	.....	24.8	30	94	68	Calm	SW 3	4	5	.....
18	.....	.....	25.5	30	93	70	Calm	WSW 4	9	9	1
19	.....	.....	24.2	30.5	97	74	Calm	SW 2	5	8	6.6
20	.....	.....	23.2	27.1	97	87	Calm	S 1	10	10	12.7
21	.....	.....	23.3	29.5	97	72	Calm	WSW 2	2	6	.....
22	.....	.....	23.6	29.8	97	73	Calm	WSW 3	3	6	.....
23	.....	.....	24.2	29.5	97	71	Calm	W 2	8	7	.....
24	.....	.....	24.8	29.1	96	74	Calm	SSW 2	8	6	1
25	.....	.....	24.7	28.8	95	73	Calm	SW 2	10	9	1.8
26	.....	.....	24.4	23.5	96	96	Calm	SW 1	10	10	22.9
27	.....	.....	22.6	31.3	97	64	Calm	SW 2	4	8	.....
28	.....	.....	23.3	33	93	65	Calm	S 2	1	3	42.7
29	.....	.....	23.3	27	96	84	Calm	NW 2	2	9	12.7
30	.....	.....	22.7	24.8	97	95	N 1	SE 2	6	9	13.7
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	.....	.....	23.9	29.3	95	74.5	0.2	1.7	6.5	7.3	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	339.2

JULY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1	.....	.....	23.5	28.5	91	77	Calm	W 2	10	10	65.3
2	.....	.....	22.8	23.2	98	96	Calm	NW 1	10	10	78.2
3	.....	.....	22.4	24	96	94	Calm	SW 2	10	10	21.5
4	.....	.....	22.5	30.4	96	68	Calm	Calm	10	6	.....
5	.....	.....	22.7	29.9	96	65	Calm	Calm	8	7	.....
6	.....	.....	22	28.2	96	79	Calm	SW 1	6	9	16
7	.....	.....	23	30.5	97	65	Calm	NW 1	8	7	.8
8	.....	.....	22	30.1	96	73	Calm	SW 1	3	8	35.6
9	.....	.....	22.8	26.7	97	88	Calm	N 2	6	9	.....
10	.....	.....	22.3	31.5	97	57	Calm	SW 1	3	3	.....
11	.....	.....	23.9	31.4	97	65	Calm	SW 2	3	4	.....
12	.....	.....	24	31.4	98	66	Calm	SW 1	3	7	.....
13	.....	.....	23.9	30.7	96	70	Calm	SSW 1	2	7	.....
14	.....	.....	24	25.5	95	84	Calm	NNE 2	8	7	5.6
15	.....	.....	23.3	31.3	95	60	Calm	SW 2	3	4	.....
16	.....	.....	23.6	32.4	96	60	Calm	SW 2	8	3	1.8
17	.....	.....	23.3	31.6	96	63	Calm	W 2	9	8	61.7
18	.....	.....	22.5	27	96	80	Calm	N 2	8	10	1.3
19	.....	.....	23	29.7	97	76	Calm	WSW 2	2	10	5.1
20	.....	.....	22.4	25.5	96	91	Calm	SW 1	9	10	8.6
21	.....	.....	22.9	30.4	97	69	Calm	S 1	7	9	7.6
22	.....	.....	23.5	26	96	88	Calm	Calm	8	10	9.9
23	.....	.....	23.2	25.7	97	89	Calm	SW 1	10	10	20.3
24	.....	.....	23.5	25.3	97	90	Calm	Calm	9	10	4.8
25	.....	.....	23.5	27.6	97	76	Calm	SW 2	10	10	.....
26	.....	.....	24.1	29	97	72	Calm	Calm	10	10	3.8
27	.....	.....	23.8	25.5	96	88	Calm	SW 1	10	10	52.3
28	.....	.....	23.2	23	97	98	Calm	N 2	10	10	196.1
29	.....	.....	23	23	98	97	NW 1	Calm	10	10	269.5
30	.....	.....	24	25.2	97	90	SW 2	SW 2	10	10	39.6
31	.....	.....	23.7	27.5	94	82	W 1	SW 3	9	10	15
Mean	.....	.....	23.2	28	96.3	77.9	0.1	1.3	7.5	8.3	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	920.4

AUGUST.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1	.....	.....	24.3	27	94	83	SSW 2	SW 5	10	10	10.6
2	.....	.....	24.3	27.3	96	81	SW 1	SW 4	10	10	81.3
3	.....	.....	24.1	25	97	96	SW 1	SW 3	10	10	39.1
4	.....	.....	23	25.9	98	88	SW 2	SW 2	10	10	34.3
5	.....	.....	23.3	23	96	97	Calm	SW 1	10	10	103.9
6	.....	.....	22.6	22.5	97	97	WSW 1	SW 3	10	10	71.9
7	.....	.....	24	22.6	97	97	SW 3	SW 6	10	10	192.3
8	.....	.....	23.5	26.2	97	90	SW 2	SW 4	10	10	133.6
9	.....	.....	23.8	24	98	98	SW 2	SW 3	10	10	120.7
10	.....	.....	23.9	25	97	98	WSW 3	SW 2	10	10	70.9
11	.....	.....	24.2	23.5	97	96	SW 2	SW 6	10	10	273.8
12	.....	.....	22.7	23	98	98	SW 2	SW 2	10	10	169.9
13	.....	.....	23	23.8	98	97	W 3	SW 2	10	10	51.8
14	.....	.....	23.7	25.5	97	92	S 2	SW 3	10	10	20.3
15	.....	.....	23.5	25	96	92	Calm	SW 3	10	10	53.8
16	.....	.....	22.5	23.5	96	93	Calm	W 1	10	10	22.6
17	.....	.....	23.3	27.5	97	84	Calm	WSW 2	10	9	.8
18	.....	.....	24.7	29	97	74	Calm	SW 3	10	7	.8
19	.....	.....	23.5	28.5	97	77	Calm	SW 2	10	9	3.8
20	.....	.....	22.7	24	97	98	WNW 1	SW 5	10	10	57.9
21	.....	.....	24	27.5	91	81	S 2	S 2	10	9	4.9
22	.....	.....	22.7	30.3	97	66	Calm	WSW 1	8	6	.....
23	.....	.....	23	26.1	96	89	Calm	NW 1	5	9	1.3
24	.....	.....	24.1	26.7	97	86	W 3	WSW 3	10	10	54.6
25	.....	.....	23.5	23.5	97	96	SSW 2	Calm	10	10	250.2
26	.....	.....	23.3	24	97	91	SE 1	S 1	10	10	38.9
27	.....	.....	22	24.9	96	87	Calm	Calm	10	10	19.8
28	.....	.....	22	25.4	97	88	Calm	SW 2	10	10	3
29	.....	.....	23.1	26.8	98	85	Calm	SW 1	10	10	50.8
30	.....	.....	23.5	23.4	96	97	WSW 1	SW 3	10	10	114.5
31	.....	.....	23.5	22.5	98	96	SW 2	SW 2	10	10	52.6
Mean	.....	.....	23.4	25.3	96.7	89.9	1.2	2.5	9.8	9.6	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,104.7

ANTIPOLO

[ϕ=14° 36′ N; λ=121° 10′ E.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0–12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1	.....	.....	23.4	23.8	97	97	SW 1	SW 1	10	10	28.9
2	.....	.....	22.3	28	96	77	Calm	SW 2	8	8	.5
3	.....	.....	21.8	28.9	97	64	Calm	WSW 2	8	10	.....
4	.....	.....	21.8	30.3	97	73	Calm	SW 2	5	4	15.2
5	.....	.....	21.3	30	97	61	Calm	SW 2	3	4	10.7
6	.....	.....	21.8	29.3	96	69	Calm	SW 1	7	8	7.4
7	.....	.....	23.2	27	97	83	Calm	Calm	8	9	1.3
8	.....	.....	21.7	29.7	97	70	Calm	SW 1	8	9	1
9	.....	.....	22.4	24	96	91	Calm	N 1	7	10	7.1
10	.....	.....	23.3	29	96	74	Calm	SW 1	10	10	2.3
11	.....	.....	23.3	25.6	97	91	Calm	SE 2	10	10	11.7
12	.....	.....	22.5	26.5	98	88	Calm	SW 1	10	10	15.7
13	.....	.....	23.5	27.6	97	83	Calm	SW 2	10	10	7.9
14	.....	.....	23.6	28.5	98	72	Calm	SW 1	7	8	.5
15	.....	.....	22.2	30	96	61	Calm	SW 2	4	8	7.4
16	.....	.....	23.4	26.5	97	88	Calm	Calm	10	10	3
17	.....	.....	22.2	29.1	87	70	ENE 1	SE 2	10	9	7.6
18	.....	.....	22.6	28.5	97	64	Calm	NE 2	10	7	8.1
19	.....	.....	22.5	29.8	90	69	Calm	NE 1	8	8	.....
20	.....	.....	21.5	24.6	95	92	Calm	W 1	6	10	24.3
21	.....	.....	23.6	30.2	89	65	Calm	SE 1	8	6	2.3
22	.....	.....	22.1	30	88	68	NE 1	NE 2	7	8	.....
23	.....	.....	23	30.7	87	64	E 1	NE 2	7	8	.....
24	.....	.....	20.3	30	83	65	Calm	SW 2	2	7	.....
25	.....	.....	21.4	30.6	92	65	Calm	ENE 2	6	7	.....
26	.....	.....	21.7	30.7	93	67	Calm	SW 1	2	8	.....
27	.....	.....	21.6	29.6	95	68	Calm	ESE 1	9	9	.....
28	.....	.....	20.7	25	91	92	Calm	SE 1	8	10	14
29	.....	.....	21.2	28	94	77	Calm	Calm	6	7	5.1
30	.....	.....	21.5	30.3	95	66	Calm	SW 1	1	4	2.5
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	.....	.....	22.2	28.4	94.2	74.5	0.1	1.3	7.2	8.2	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	184.5

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0–12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm
1	.....	.....	20.4	29.2	91	70	Calm	SW 1	1	6	17.3
2	.....	.....	21.4	30.4	94	64	Calm	SW 1	3	7	30.5
3	.....	.....	23.5	30.7	96	64	Calm	SW 2	9	4	18.3
4	.....	.....	22.3	30.5	96	65	Calm	W 2	8	8	2.8
5	.....	.....	23.5	27	96	88	Calm	Calm	7	7	2.3
6	.....	.....	23.1	28.7	97	75	Calm	N 2	10	9	20.8
7	.....	.....	22	27	96	83	Calm	Calm	7	9	33.1
8	.....	.....	22.4	25	96	92	Calm	Calm	10	10	39.4
9	.....	.....	22.8	24.5	97	96	Calm	Calm	10	10	5.9
10	.....	.....	22.9	27.8	97	79	Calm	SE 1	9	10	21.4
11	.....	.....	23.5	29	93	77	Calm	SE 2	10	9	5.3
12	.....	.....	22.3	30.8	97	67	Calm	SE 1	10	9	4.6
13	.....	.....	21.5	30.4	96	72	Calm	SW 1	9	8	.....
14	.....	.....	21.2	27.5	95	74	Calm	N 1	8	10	11.2
15	.....	.....	22.6	25.6	97	94	Calm	Calm	10	10	11.5
16	.....	.....	23.6	29.5	91	71	E 1	SE 2	10	8	.8
17	.....	.....	24.3	31.2	97	64	Calm	W 1	8	3	.....
18	.....	.....	23.5	30	96	65	Calm	WSW 2	3	7	.....
19	.....	.....	24	29	94	71	Calm	W 2	6	8	42.7
20	.....	.....	23	25	97	92	Calm	SW 1	8	10	8.1
21	.....	.....	22	27	96	72	Calm	NE 2	10	8	.....
22	.....	.....	22.6	28.5	95	71	Calm	ENE 1	9	10	.....
23	.....	.....	23	25.5	96	91	Calm	Calm	8	10	6.9
24	.....	.....	20.5	30.2	95	64	Calm	Calm	6	8	.....
25	.....	.....	22	25.6	96	90	Calm	W 1	7	9	5.6
26	.....	.....	22	31	96	62	Calm	SE 1	4	3	2.5
27	.....	.....	22.5	25.9	96	88	Calm	Calm	8	10	2
28	.....	.....	22	25.5	97	91	Calm	N 2	7	10	34.6
29	.....	.....	22	28.5	96	77	Calm	NE 1	7	8	1
30	.....	.....	22.7	27.6	97	80	Calm	Calm	9	10	15.7
31	.....	.....	22.7	27.5	97	87	Calm	Calm	10	8	2.8
Mean	.....	.....	22.5	28.1	95.7	77.3	0	1	7.8	8.3	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	347.1

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0–12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1	.....	.....	22.8	28.3	96	80	Calm	Calm	8	8	17.8
2	.....	.....	22	28.7	96	69	Calm	NE 2	9	9	.3
3	.....	.....	21.8	30.5	93	65	Calm	NE 2	4	8	.....
4	.....	.....	22.2	31.3	88	58	NE 1	NE 2	7	3	.....
5	.....	.....	21.8	31.5	97	57	Calm	NE 2	6	1	.....
6	.....	.....	20.5	27	91	84	Calm	Calm	3	8	3.8
7	.....	.....	21.1	30.7	95	64	Calm	SE 2	5	3	1.3
8	.....	.....	21.7	31.4	89	60	NE 1	NE 2	8	5	.....
9	.....	.....	20.8	29.3	95	76	Calm	SW 2	8	7	.....
10	.....	.....	22.2	29	95	75	Calm	SW 1	9	8	38.1
11	.....	.....	23.1	29.5	97	72	Calm	SW 1	9	9	3.6
12	.....	.....	21.8	29	97	74	Calm	SW 1	9	9	.....
13	.....	.....	22.8	29	96	72	Calm	NE 1	9	9	2.5
14	.....	.....	20.2	29	95	76	Calm	SE 1	8	9	2.8
15	.....	.....	21.3	28	95	69	Calm	SSW 2	9	10	.....
16	.....	.....	20.5	28.4	95	75	Calm	SE 1	10	9	.....
17	.....	.....	21.3	27	97	86	Calm	Calm	8	9	3.3
18	.....	.....	22	23.5	96	94	SW 1	NE 2	10	10	59
19	.....	.....	23	30.5	91	65	E 1	E 2	9	4	8.1
20	.....	.....	22.3	28.2	97	80	Calm	NW 1	8	8	15.8
21	.....	.....	22	29.5	97	68	Calm	Calm	4	8	.....
22	.....	.....	22.5	26.9	96	70	Calm	ENE 1	10	10	.....
23	.....	.....	21.5	26.3	91	78	Calm	ENE 2	10	9	.....
24	.....	.....	21.5	25	95	76	Calm	NE 2	10	9	.....
25	.....	.....	20	27.2	91	60	Calm	NE 4	10	5	.....
26	.....	.....	18.6	29.3	94	58	Calm	NE 2	6	3	14
27	.....	.....	22	26	96	87	Calm	Calm	9	10	16.5
28	.....	.....	23.1	28	96	77	E 1	NE 2	10	7	2.3
29	.....	.....	22.4	29.2	96	73	Calm	NE 2	7	8	9.1
30	.....	.....	22.6	28.7	98	73	Calm	ESE 1	10	9	14.8
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	.....	.....	21.7	28.5	94.7	72.4	0.2	1.4	8.1	7.5	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	213.1

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0–12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1	.....	.....	22.3	27.9	94	74	Calm	ESE 2	7	9	10.2
2	.....	.....	21	28.5	95	65	Calm	NE 4	7	7	.....
3	.....	.....	22.2	26.3	95	78	Calm	NE 2	9	10	2.6
4	.....	.....	22	25.5	96	86	Calm	NE 1	8	10	3.5
5	.....	.....	22.5	28.4	96	75	Calm	ENE 2	8	9	11.7
6	.....	.....	23	29.5	96	70	E 1	SE 1	8	7	.....
7	.....	.....	22.3	29.5	93	71	Calm	SE 1	7	6	.8
8	.....	.....	21.4	30.5	95	68	Calm	SE 2	2	3	.....
9	.....	.....	22.1	29.7	97	68	Calm	NE 1	5	3	.....
10	.....	.....	22.5	29	91	64	SE 1	NE 1	9	4	.....
11	.....	.....	21	29.5	91	55	Calm	NE 3	3	2	.....
12	.....	.....	19.8	29.6	93	67	Calm	SW 1	2	4	.....
13	.....	.....	20.6	28.6	94	77	Calm	W 1	3	4	.....
14	.....	.....	22.2	28.2	95	64	Calm	ENE 2	4	7	.....
15	.....	.....	21.2	26.6	95	77	Calm	Calm	9	10	.....
16	.....	.....	21.5	29	96	64	Calm	SW 1	8	8	.....
17	.....	.....	21.5	28.4	95	68	Calm	NE 2	6	6	.....
18	.....	.....	21	29.7	96	60	Calm	NE 4	8	4	.....
19	.....	.....	21	27.3	91	68	Calm	NE 2	9	9	.....
20	.....	.....	20.7	28.5	91	70	Calm	SSW 1	4	8	.....
21	.....	.....	22	26.5	91	83	Calm	SW 1	9	8	.5
22	.....	.....	22.5	28.5	82	64	N 1	NE 2	3	4	3.3
23	.....	.....	20.2	29.6	96	61	Calm	NE 1	6	4	.5
24	.....	.....	20.4	29.5	96	68	Calm	SW 1	2	7	.....
25	.....	.....	19.9	26.5	97	82	Calm	Calm	3	9	3.6
26	.....	.....	20.7	27.5	96	76	Calm	Calm	7	10	.5
27	.....	.....	21	28	95	75	Calm	SW 1	9	9	.....
28	.....	.....	21.4	27	96	85	Calm	Calm	6	10	2.8
29	.....	.....	21.3	26.4	97	68	Calm	NE 4	10	9	1.3
30	.....	.....	21.7	25.7	72	59	NE 4	NE 5	9	8	.....
31	.....	.....	19.5	26.9	77	58	NE 2	NE 2	8	3	.....
Mean	.....	.....	21.4	28.1	92.9	69.9	0.3	1.6	6.4	6.8	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	41.3

IBA

[ϕ=15° 20′ N; λ=119° 58′ E; barometer above sea, 4.8 meters; gravity correction not applied, —1.69 mm.]

Day.	JANUARY.											FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.08	60.50	21.6	31	94	63	Calm	WNW 3	1	5	......	62.02	60.98	18.1	31.6	97	54	Calm	NW 3	0	1	......
2..	62.12	60	20.3	32.9	94	60	Calm	NW 3	0	6	......	63.14	62.15	18.6	30.6	92	62	Calm	NW 3	0	2	......
3..	62.07	60.75	20.8	29.3	96	74	Calm	NW 3	0	9	......	64.20	61.97	18.2	30	93	60	Calm	W 3	0	1	......
4..	63.26	61.46	23	31	96	68	Calm	NW 3	10	8	......	64.72	62.90	18	30.4	95	65	Calm	NW 3	1	8	......
5..	63.46	62.20	22.8	28	97	74	Calm	WNW 1	10	10	......	64.70	62.77	19.6	29.5	94	58	Calm	NNW 2	1	8	......
6..	63.53	62.70	22.6	30.7	78	54	Calm	WSW 3	6	8	......	65.90	63.10	22.8	30.7	77	58	Calm	W 2	1	6	......
7..	62.48	61.62	23.5	28.7	74	66	NNE 2	WSW 2	1	9	......	65.55	62.61	20.2	31	85	49	Calm	WNW 2	1	2	......
8..	62.67	60.17	20.2	31.2	98	58	Calm	WSW 2	7	1	......	64.95	62.27	22.2	31	87	55	Calm	WNW 2	10	8	......
9..	61.23	60.02	20.7	30.6	98	39	Calm	WSW 3	0	3	......	63.60	62.02	23.4	31.6	77	54	NNE 1	WSW 3	10	5	......
10..	60.47	59.10	20.2	30	98	66	Calm	W 3	3	1	......	63.17	61.36	22	29.5	75	56	NE 1	NNW 3	0	1	......
11..	60.03	59.28	21	30	96	65	Calm	WSW 2	0	1	......	63.09	61.72	21.6	30.5	67	50	ESE 2	NW 3	0	1	......
12..	60.53	59.42	19.5	30.6	97	62	Calm	WNW 2	3	1	......	62.69	60.39	18.7	31.4	93	48	Calm	W 3	0	1	......
13..	60.92	59.66	19	30.3	99	62	Calm	W 2	3	1	......	62.61	61.30	21.1	29.6	90	61	Calm	W 2	1	6	......
14..	62.37	61.66	17	30	98	60	Calm	WSW 2	3	3	......	62.22	61.21	19.8	29.7	93	67	Calm	W 3	0	9	......
15..	63.11	61.97	20.3	29.3	97	69	Calm	W 2	1	9	......	63.18	61.50	18.9	30.7	92	58	Calm	W 2	0	1	......
16..	62.82	61.55	18.8	30.8	96	56	Calm	WSW 2	1	9	......	63.11	60.40	20.9	31.1	93	61	Calm	W 2	0	1	......
17..	63.63	62.77	19.8	30.6	94	62	Calm	NW 2	0	1	......	61.54	59.59	20.4	30.8	94	56	Calm	NW 3	1	1	......
18..	64.30	63.13	17.9	30	96	64	Calm	NW 3	0	2	......	60.47	59.30	19.8	29.3	94	61	Calm	W 2	0	1	......
19..	64.27	63.08	18.1	30.1	97	64	Calm	W 3	7	4	......	61.04	59.52	20.4	30.7	94	61	Calm	W 2	0	1	......
20..	63.82	61.82	19.8	28	85	67	Calm	NW 2	0	9	......	61.52	58.64	20.8	30.5	91	61	Calm	WSW 2	0	1	......
21..	63.54	62.42	21.6	29.2	81	58	Calm	W 2	0	7	......	61.07	59.22	20.3	31	96	60	Calm	WNW 2	0	1	......
22..	63.75	61.92	18.8	29.2	93	63	Calm	WNW 3	1	5	......	59.66	57.95	19.7	31.2	97	55	Calm	WNW 2	0	1	......
23..	62.69	61.11	16.8	29.5	92	52	Calm	WNW 3	0	0	......	59.63	58.41	20	30.6	98	63	Calm	NW 2	1	6	......
24..	62.69	60.45	16.4	30.6	96	54	Calm	WNW 2	0	0	......	61.14	59.12	20.2	29	96	64	Calm	W 2	3	9	......
25..	62.25	60.51	16.5	31.6	93	47	Calm	W 3	0	1	......	60.92	58.87	21.1	30.8	94	60	Calm	W 2	6	3	......
26..	62.59	61.13	17.7	30.6	93	51	Calm	NW 3	0	1	......	60.62	60.06	23.2	31.5	66	56	ESE 2	W 2	1	1	......
27..	62.99	61.28	17.6	29.5	97	53	Calm	W 3	0	1	......	61.83	60.25	20	31.4	92	53	ESE 1	NW 2	3	6	......
28..	62.94	60.81	16.6	29.8	96	65	Calm	WNW 3	0	8	......	61.01	60.05	20.4	31.6	86	54	Calm	NW 2	9	3	......
29..	62.57	60.82	18.9	28.4	93	66	Calm	W 2	0	6	......	......	......	......	......	......	......	......	......	......	......	......
30..	62.36	60.92	18.6	30.1	98	56	Calm	WNW 2	0	1	......	......	......	......	......	......	......	......	......	......	......	......
31..	61.20	60.56	15.2	30.2	98	58	Calm	NW 3	0	1	......	......	......	......	......	......	......	......	......	......	......	......
Mean	62.51	61.12	19.4	30.1	93.8	60.5	0.1	2.5	1.8	4.2	......	62.48	60.70	20.4	30.6	89.2	57.9	0.2	2.4	1.8	3.4	......
Total	......	......	......	......	......	......	......	......	......	......	0	......	......	......	......	......	......	......	......	......	......	0

Day.	MARCH.											APRIL.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.27	59.56	19	31	95	57	S 1	WSW 2	1	1	......	59.67	58.66	21.5	31.9	93	61	ENE 1	W 2	3	3	......
2..	60.89	60.15	18.8	32.1	94	53	Calm	NW 2	10	1	......	60.10	59.30	22.7	32.5	92	55	Calm	WSW 3	1	3	......
3..	61.34	60.35	23.8	32.2	60	52	Calm	W 2	1	2	......	60.30	58.56	24	32	95	61	Calm	WSW 2	6	10	......
4..	61.97	61.15	18.4	31	96	56	Calm	WNW 2	3	1	......	59.30	58.30	24.8	32.1	92	60	SSW 1	SW 3	10	9	......
5..	61.79	61.07	17.8	30.5	94	54	NE 1	W 2	3	1	......	60.26	60.05	23.5	32.4	91	64	Calm	WSW 3	9	4	......
6..	61.47	60.65	18.8	31.2	88	50	ESE 1	W 2	0	1	......	60.29	59.45	25.9	32.7	85	50	Calm	WSW 3	8	5	......
7..	61.63	60.52	20	31.6	94	53	NNE 1	WNW 2	3	3	......	60.32	58.51	25.3	33.4	81	62	NNE 3	W 3	10	9	......
8..	60.98	60.26	21.4	31.6	82	51	E 2	WSW 3	3	3	......	59.26	57.67	24.3	32.4	87	69	Calm	WNW 3	6	7	......
9..	61.06	60.07	20.4	30.2	87	64	ESE 1	W 2	1	10	......	58.44	57.11	24.8	32.1	83	62	Calm	WNW 3	9	10	......
10..	61.51	60.22	22.5	30.9	75	62	ENE 1	W 2	5	10	......	57.85	56.40	24	33.2	90	62	Calm	W 2	9	5	......
11..	61.81	60	20.6	31.8	91	58	SE 1	NW 3	1	3	......	58.17	56.77	25.1	33	91	68	SE 1	WNW 3	10	7	......
12..	61.77	60.87	22.4	32	91	53	Calm	WSW 2	7	3	......	58.06	56.80	25.2	33.2	90	67	Calm	WSW 3	2	2	......
13..	62.07	60.59	21.7	31	89	65	Calm	WSW 2	1	6	......	58.18	57.15	24.3	33	90	67	ESE 1	W 3	1	9	......
14..	61.68	60.71	22.1	32	91	49	Calm	WSW 2	1	3	......	58.91	57.99	23.5	33	89	54	SW 1	WSW 2	1	1	......
15..	62.48	60.82	20.3	31.4	95	61	Calm	NW 2	0	8	......	60.51	58.38	22.5	33.1	92	60	Calm	WSW 3	1	2	......
16..	61.90	60.21	23.7	31.5	89	57	Calm	WSW 2	10	3	......	60.22	58.34	26.5	33.6	86	61	SE 1	WNW 3	10	8	......
17..	60.91	60.37	20.2	32.4	81	48	Calm	WNW 2	1	1	......	59.09	58.16	22.5	34	89	49	Calm	WNW 3	0	1	......
18..	61.67	61.04	21.9	31.4	86	52	Calm	WSW 2	0	1	......	59.12	57.75	21.9	32.6	88	62	Calm	WSW 3	0	2	......
19..	62.80	61.37	20	32.1	91	53	Calm	WNW 2	1	5	......	59.85	59.23	26.9	33.6	80	59	ESE 1	WSW 2	4	4	......
20..	62.43	60.36	22.1	31.6	90	60	NE 1	WSW 1	1	6	......	61.01	59.60	25	33.5	77	56	ESE 1	WSW 2	1	1	......
21..	60.77	59.81	21	33	95	56	WNW 2	NW 2	1	8	......	61.21	58.81	24	35.2	71	48	ESE 2	W 3	1	1	......
22..	60.50	59.04	21.6	31	95	55	ESE 1	WSW 2	1	1	......	60.62	58.98	21.8	34	80	53	ESE 1	WNW 2	0	0	......
23..	60.62	59.36	22.6	31.4	94	59	Calm	SW 2	1	5	......	60.77	59.43	23.5	33.5	85	54	Calm	WSW 2	1	3	......
24..	60.50	59.39	21.6	32	87	61	Calm	WSW 2	1	10	......	61.10	59.63	25.5	33.2	89	61	NE 1	WSW 2	1	3	......
25..	60.06	58.92	22.9	32.2	94	59	WNW 1	NW 1	6	2	......	60.81	58.80	25.1	34.4	75	45	ESE 2	W 2	1	6	......
26..	60.87	59.29	23	31	92	59	Calm	NW 2	8	2	......	59.77	58.29	24.5	33.5	88	57	Calm	W 2	1	3	......
27..	60.38	58.89	20.1	32	90	47	ESE 1	WSW 2	0	1	......	59.02	57.14	25	34	96	55	Calm	WNW 2	1	3	......
28..	60.88	58.74	20.8	32.5	91	58	NE 1	WNW 3	2	3	......	58.72	57.13	24.2	33.4	91	57	Calm	W 2	1	1	......
29..	60.27	59.17	21.9	31.8	93	62	NE 1	WSW 2	1	9	0.3	58.82	57.45	24.7	33.4	89	55	Calm	WSW 2	3	2	......
80..	59.36	57.60	24.2	32	90	54	Calm	WSW 2	8	10	8.4	59.05	57.18	24	35	93	47	Calm	WNW 2	3	1	......
31..	59.22	57.81	23.5	31.2	96	58	ESE 1	SW 2	10	10	......	......	......	......	......	......	......	......	......	......	......	......
Mean	61.19	59.95	21.3	31.6	89.5	56	0.6	2	3	4.3	......	59.63	58.23	24.2	33.2	87.3	58	0.6	2.5	3.8	4.2	......
Total	......	......	......	......	......	......	......	......	......	......	8.7	......	......	......	......	......	......	......	......	......	......	0

IBA

[φ=15° 20′ N; λ=119° 58′ E; barometer above sea, 4.8 meters; gravity correction not applied, —1.69 mm.]

Day.	MAY.											JUNE.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.22	57.50	24.8	34.3	75	54	Calm	WSW 2	1	1	......	59.30	57.19	24.5	32.1	97	73	Calm	W 3	10	6	......
2..	59.66	57.85	22.8	33.6	86	64	Calm	WSW 2	1	3	......	57.70	56.50	25.5	31	88	69	Calm	W 2	6	8	1.1
3..	58.90	57.70	26.1	34.4	77	53	SE 2	W 3	3	9	......	57.61	56.33	25.2	27.8	94	79	Calm	ESE 1	10	10	......
4..	59.51	58.20	23.9	35	80	47	Calm	WNW 2	3	4	......	56.81	56.86	25.2	29.5	90	79	Calm	W 1	9	10	......
5..	60.15	59.01	24.5	34.6	80	54	Calm	W 2	4	3	......	57.91	57.18	25.5	31	92	73	ESE 1	SSW 2	5	9	......
6..	60.10	58.60	26	34.5	84	52	SE 2	W 2	1	3	......	58.76	57.26	26	32	87	69	E 1	SW 2	3	2	......
7..	59.62	58.04	25.2	35	78	49	Calm	W 2	1	3	......	59.27	57.42	25	29.5	92	85	ENE 1	WNW 2	3	8	2.3
8..	58.77	57.86	26.2	34.7	76	55	Calm	WSW 2	3	3	0.3	58.47	56.92	25.8	31.4	93	72	Calm	NW 2	9	10	5.3
9..	59.16	57.65	26.4	34	76	52	SE 1	WSW 2	1	2	......	56.40	54.07	24.2	31.7	94	70	ESE 1	WNW 2	9	10	9.7
10..	58.75	57.70	25.6	33.4	87	53	E 1	N 3	10	10	......	52.89	49.81	25.1	29.7	94	84	NE 1	N 1	10	10	272.9
11..	57.75	56.70	25.5	33.1	89	54	ESE 1	SSW 2	10	10	......	52.76	53.44	24.5	26	93	88	SSE 3	SSE 2	10	10	61.5
12..	57.60	56.83	24	31	87	70	Calm	WSW 2	8	10	......	54.22	54.54	25	29	88	81	SE 2	S 3	10	10	26.2
13..	57.70	56.95	24.1	31.5	91	66	Calm	SW 2	3	10	5.1	56.02	55.21	25.5	30.6	88	74	SSE 2	S 3	8	6	34.6
14..	57.52	56.38	25.5	32.5	80	65	SE 2	WSW 2	5	4	......	55.22	55.92	25.5	25.3	92	94	SE 2	S 1	10	10	49.1
15..	57.10	56.45	24.2	32.4	94	62	Calm	W 2	6	6	......	56.78	56.74	25.1	27.3	96	90	SE 1	S 1	10	10	62.4
16..	56.65	56.09	24.1	32.6	97	64	Calm	WSW 1	1	2	......	57.74	58.61	24.7	25.8	97	92	SSE 1	SE 1	10	10	71.7
17..	57.06	56.04	24.5	33.5	89	61	Calm	SSW 2	2	5	......	58.19	57.39	24.7	27.8	94	83	ESE 1	SE 1	10	10	60.9
18..	56.71	55.79	24.5	32.8	91	62	ESE 1	SW 2	2	6	52.1	57.29	57.09	24.6	28	97	91	Calm	NNW 2	6	10	32
19..	56.82	56.10	25.6	30.5	91	72	SE 1	SSW 2	10	10	17.5	56.80	55.82	23.7	28.2	93	88	ENE 1	WSW 2	2	10	12.2
20..	57.72	57.32	25	30	90	72	SE 1	SSW 2	10	10	6.1	57.03	56.78	24	26	96	89	SSE 1	S 1	3	10	32.7
21..	58.30	57.70	25	32	90	71	ESE 1	SW 2	10	2	......	58.02	57.18	23.8	29.2	93	75	SSE 1	S 2	10	1	18.5
22..	58.67	57.61	25.4	30.8	92	70	Calm	NW 1	3	10	......	58.62	58.03	24	30.5	97	73	ESE 1	S 2	2	7	......
23..	58.54	57.66	25	29.5	93	78	ESE 1	NNE 1	2	10	......	58.37	57.92	24.6	30.5	95	78	ESE 1	SSW 1	9	5	1.3
24..	58.24	57.39	24.8	34	93	64	Calm	WNW 2	2	5	......	58.03	57.14	24.9	31.5	94	71	ESE 1	SW 1	8	8	4.4
25..	58.64	57.55	25	34.1	95	58	Calm	WNW 2	8	10	......	57.64	56.22	25	29	95	75	E 1	S 1	10	7	1.8
26..	58.06	56.29	24	31	93	72	Calm	WSW 2	2	10	......	55.12	54.37	24.1	26.5	97	90	ESE 1	SSE 3	10	10	23.9
27..	56.77	55.97	25.5	30.4	94	76	Calm	SW 1	10	10	7.9	55.35	55.67	24.1	27.9	95	82	SSE 2	S 3	10	10	4.4
28..	56.30	55.67	24.9	30	93	73	ESE 1	W 2	9	10	......	57.97	57.95	24.7	29.7	90	69	SSE 2	S 2	10	7	......
29..	56.42	56.37	25.4	28.9	87	75	SE 1	N 2	10	10	2.3	59.71	58.52	23.6	30.6	93	74	SSE 1	SW 2	5	9	10.4
30..	56.47	55.95	25.5	31.5	88	69	ESE 1	SSW 2	10	10	34.3	58.02	56.17	24.2	30.3	95	73	E 1	N 2	10	10	......
31..	58.27	57.04	25	32.5	92	68	ESE 1	WSW 2	10	9	11.9	.....	.....	.....	.....	.....	.....	....	....	.....	.....	......
Mean	58.10	57.10	25	32.5	87.4	63.1	0.6	1.9	5.2	6.8	......	57.13	56.34	24.7	29.2	93.3	79.4	1	1.8	7.9	8.4	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	137.5	.....	.....	.....	.....	.....	.....	....	....	....	....	799.3

Day.	JULY.											AUGUST.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	55.32	53.70	23.8	29.9	95	77	Calm	NNW 3	10	10	7.9	53.24	53.62	27.4	29.3	93	87	SSW 3	SW 3	10	10	8.1
2..	53.89	54.40	24.1	24	97	95	NNE 1	ESE 1	10	10	37.6	54.63	54.27	27.6	30.8	94	78	WNW 1	WSW 2	10	7	20.6
3..	57.10	58.13	23	26.8	89	87	SE 1	S 3	10	10	34.8	55.04	55.02	25.4	25.1	98	96	ESE 1	SW 2	10	10	49
4..	59.21	59.42	23.1	25.2	91	87	SE 2	WSW 4	10	10	2.9	55.27	54.44	24.5	25.1	97	94	ESE 1	S 1	10	10	154.4
5..	60.34	58.22	22.6	31	95	65	ESE 1	SSW 1	10	10	......	55.45	55.78	24	23.8	97	95	Calm	SW 1	10	10	104.3
6..	59.10	58.41	23.1	31	89	65	Calm	W 2	2	10	8.1	54.42	53.84	25.5	26.3	93	90	WSW 1	Calm	10	10	89.5
7..	59.97	59.46	22.7	31	94	65	ESE 1	W 1	10	10	.8	52.16	51.63	26.1	27.1	93	87	W 3	WSW 1	10	10	73.4
8..	60.18	59.77	23.2	31.5	93	70	Calm	SSW 2	7	5	......	51.98	52.19	26.7	27.7	93	91	WNW 2	WNW 2	10	10	28.5
9..	59.62	59.12	24.1	27.8	95	83	Calm	NNE 2	1	10	......	52.33	53.03	27.2	26.9	84	89	SW 2	W 2	10	10	40.9
10..	58.12	57.90	23.8	30.6	91	71	ESE 1	W 2	1	6	......	53.71	53.19	26.6	24.8	87	97	WSW 2	SW 2	10	10	196.1
11..	58.57	57.91	23.6	31.7	90	71	Calm	WSW 2	3	3	......	53.44	52.89	25.2	25	97	92	WSW 2	WSW 2	10	10	146
12..	59.41	58.66	23.8	31.6	97	65	ENE 1	WNW 2	0	4	......	52.31	52.83	25.1	25.7	98	96	SW 2	WSW 2	10	10	91.7
13..	59.26	58.06	24	32.5	93	67	Calm	WNW 2	1	7	1	53.15	54.07	23.8	25.2	97	97	NW 2	SW 2	10	10	64.3
14..	58.86	57.97	24.8	27.5	92	85	Calm	NNE 1	2	8	17.4	55.18	55.34	24.5	26.2	97	94	S 1	SSE 2	10	10	197.1
15..	57.60	56.86	25.2	28.9	93	78	Calm	SSW 1	2	9	......	56.34	56.50	23.2	25.1	96	95	SW 1	S 2	10	10	70.9
16..	57.92	56.30	23	32	93	69	Calm	WNW 2	2	2	......	56.42	57.54	24.3	25.2	87	95	SE 1	SSW 1	10	10	37.9
17..	57.81	57.56	24.7	31.2	95	68	Calm	S 1	7	10	......	57.92	57.64	24.9	28.7	94	80	Calm	SSE 1	10	10	2.8
18..	57.68	57.59	25.1	29.3	92	79	NNE 1	N 2	7	10	......	57.90	57.02	25.2	26.1	97	94	SSE 1	Calm	10	10	21.5
19..	57.69	56.55	24	30.5	95	71	Calm	WNW 2	1	9	1.8	57.63	57.47	23.5	27.9	97	82	SE 1	W 2	10	10	23.6
20..	56.48	56.01	25	29.3	95	72	Calm	SE 2	10	10	2	55.69	52.43	24.2	25.8	94	91	NNW 1	W 4	10	10	116.8
21..	56.32	54.99	24	32	95	63	Calm	WNW 2	8	7	9.9	52.99	54.51	26	27.6	87	87	SSW 3	S 3	10	10	44.2
22..	55.93	55.45	24	26.6	96	90	Calm	N 2	10	10	38.9	57.33	57.42	24.1	27	94	88	SE 1	S 1	10	10	16
23..	55.94	55.21	24	24.6	96	97	Calm	Calm	10	10	28.2	58.03	57	24	30.4	98	67	SE 1	S 1	10	9	58.2
24..	55.26	54.30	24	26.8	96	86	Calm	Calm	10	10	50.9	56.44	56.15	24.1	24.5	97	96	WSW 1	W 2	10	10	98.1
25..	55.31	54.91	24	26.4	96	93	SE 2	S 2	10	10	87.6	54.69	53.88	25	24	98	97	WNW 1	WSW 2	10	10	300
26..	55.52	53.92	24.2	29	96	76	SSE 2	SSE 2	10	10	32.7	54.97	56.02	26	25	89	97	SW 2	S 2	10	10	68.8
27..	53.13	52.69	24.6	24.1	95	97	SE 1	SE 1	10	10	105.9	57.39	57.74	23.3	23.2	97	90	S 1	S 1	10	10	89.7
28..	53.83	53.50	23.8	24.8	97	98	SE 1	ESE 1	10	10	186.6	57.34	56.87	23.5	27.9	97	85	S 1	SSE 1	10	10	6.8
29..	53.84	53.60	23.8	24.1	97	97	Calm	E 1	10	10	77	56.84	55.87	24.4	28.4	97	82	Calm	S 1	10	10	3.3
30..	52.76	52.47	27.4?	28.5	86?	85	SSW 2	S 1	10	10	45.2	55.52	54.89	25	25.4	97	93	W 1	Calm	10	10	95
31..	52.79	52.52	27.6?	28.8	86?	84	SSW 3	S 3	10	10	58.9	55.64	54.54	23	26.6	98	92	SSE 1	Calm	10	10	30.8
Mean	56.93	56.31	24.1	28.7	93.5	79.2	0.6	1.7	6.9	8.7	......	55.21	55.02	24.9	26.4	94.6	90.1	1.3	1.5	10	9.9	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	836.1	.....	.....	.....	.....	.....	.....	....	....	....	....	2,348.3

IBA

[ϕ=15° 20′ N; λ=119° 58′ E; barometer above sea, 4.8 meters; gravity correction not applied, —1.69 mm.]

Day.	SEPTEMBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	54.74	54.60	24.8	28.4	98	85	Calm	S 2	10	10	16.5
2..	56.37	57.07	25.2	27.1	98	91	S 1	Calm	10	10	21.3
3..	58.77	59.27	23.4	29.5	92	72	Calm	S 1	10	3	......
4..	59.82	59.32	23.2	27.6	97	86	Calm	NW 1	10	9	......
5..	59.62	58.50	22.4	30.5	96	71	Calm	W 2	3	3	......
6..	58.47	57.55	22.5	31.7	96	68	Calm	NW 2	3	10	38.4
7..	56.78	56.68	23	27	97	90	Calm	Calm	2	10	23.4
8..	56.87	56.22	22.7	30	97	71	Calm	NW 2	6	9	......
9..	56.95	56.92	24	29.4	97	74	Calm	WSW 1	3	10	3.6
10..	57.59	55.72	23.6	30	95	78	Calm	SW 1	10	8	4.3
11..	55.92	55.20	23.3	29.5	95	77	Calm	WSW 1	7	10	.5
12..	55.19	53.97	24.6	27.9	97	88	Calm	Calm	10	10	......
13..	54.38	53.91	24.1	29.5	94	72	Calm	SW 2	10	10	18.3
14..	56	55.27	24	29.2	95	76	Calm	S 2	10	7	......
15..	56.72	56.19	24	30.1	92	73	SE 1	S 2	2	7	......
16..	57.49	56.85	23.9	28.5	92	81	S 1	S 1	8	10	22.6
17..	58.35	57.98	23.8	29.8	93	71	SE 1	SW 2	10	10	......
18..	59.88	58.77	24.4	30	88	68	SSE 1	S 2	9	10	......
19..	59.45	58.37	24	31.1	97	70	Calm	W 2	6	3	10.7
20..	58.90	58	23.1	30.8	94	65	Calm	W 1	5	9	......
21..	58.80	57.63	24.9	31.9	89	58	SSE 1	W 2	5	9	35.6
22..	59.27	57.95	24.1	30.6	89	65	Calm	W 1	4	10	2.8
23..	58.52	58	24.2	31	83	65	Calm	NNW 1	7	3	......
24..	58.65	58.42	23.8	31	85	67	ESE 1	NW 2	3	9	......
25..	59.36	58.69	22.3	31.6	90	65	Calm	WNW 2	2	2	......
26..	59.85	58.71	23.4	31.8	95	67	Calm	WSW 2	1	6	......
27..	59.32	58.52	24.3	29.4	96	74	Calm	SW 1	10	10	......
28..	59.28	58.17	23.4	30.6	95	67	Calm	WSW 1	10	10	......
29..	59.45	58	23.2	31.1	97	71	E 1	WNW 2	1	5	......
30..	59.36	57.77	24.4	30.8	90	71	Calm	W 2	1	6	......
31..	.....	.....	.....	.....	.....	.....	....	....	....	....	......
Mean	58	57.27	23.7	29.9	93.6	73.2	0.3	1.4	6.3	7.9	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	198

Day.	OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	58.74	57.64	22.6	31.1	96	69	Calm	WSW 2	1	3	0.5
2..	57.56	57.40	24	31.1	93	65	Calm	W 2	1	6	......
3..	57.94	56.14	23.3	31.7	94	70	ESE 1	W 2	1	3	......
4..	57.82	56.12	23.2	32	93	70	Calm	NW 2	5	3	......
5..	57.77	56.42	23.9	31.1	85	73	Calm	NNW 1	3	9	24.4
6..	58.27	56.50	24.1	30.6	94	73	Calm	SW 2	10	9	1.5
7..	58.77	57.10	25.1	31	91	72	ESE 1	NW 2	5	10	51.3
8..	57.84	55.83	23.6	28.6	95	75	Calm	Calm	10	10	......
9..	56.24	54.98	23.9	29.1	94	75	ESE 1	Calm	10	10	25.9
10..	55.72	54.47	24	29.6	93	77	E 1	SE 1	10	10	45.2
11..	56.47	56.54	24.5	29.1	91	76	SE 2	SE 1	10	10	12.2
12..	59.43	58.55	24.6	30.1	93	73	SE 1	S 2	10	10	......
13..	60.32	59.12	23.6	31.5	97	64	Calm	SSW 1	2	10	.8
14..	59.40	57.16	23.4	31.5	95	67	Calm	NE 1	10	6	....
15..	56.16	54.51	24.8	31	94	69	SE 1	SE 1	10	10	......
16..	55.97	54.73	26.1	32.4	87	65	SSE 1	SE 2	5	10	......
17..	57.81	56.37	25.4	30.6	88	73	SE 2	S 2	5	5	......
18..	57.67	56.31	24.1	30.3	91	68	SE 2	S 1	1	7	......
19..	58.32	56.67	24.2	30.9	94	71	SE 1	SW 2	10	8	1
20..	58.47	57.71	25.1	27	94	92	ESE 1	Calm	10	10	3
21..	59.37	58.27	24.1	31.2	84	70	E 1	WNW 1	5	9	......
22..	60.08	58.44	23.1	30.8	90	71	SE 1	N 2	3	2	......
23..	60.11	59.17	23.6	31.5	93	66	Calm	WNW 2	5	5	3.8
24..	59.80	58.12	23.6	31.1	93	65	Calm	NNW 1	1	2	......
25..	59.88	58.24	23.7	30.1	98	79	Calm	ENE 1	5	10	1.3
26..	59.95	58.62	23	29.4	95	75	ESE 1	W 2	1	6	11.9
27..	60.23	59.21	23.1	29	92	81	SE 1	N 2	5	6	......
28..	59.56	58.12	23.4	31.1	97	69	ENE 1	W 2	6	6	2.8
29..	59.45	57.71	23	31.4	95	66	Calm	WNW 2	1	5	......
30..	59.20	57.85	25	31.3	88	67	Calm	WSW 2	5	6	......
31..	59.18	57.65	23.7	29.5	96	77	Calm	ESE 1	9	9	......
Mean	58.50	57.15	24	30.5	92.7	71.7	0.6	1.5	5.6	7.3	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	185.6

Day.	NOVEMBER.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.05	58.16	24.8	32.5	85	65	ESE 1	NNE 1	10	7	......
2..	59.95	58.50	24.6	31.6	87	65	ESE 2	N 1	10	7	......
3..	60.10	58.05	21.8	31.9	96	69	Calm	WNW 2	1	3	......
4..	59.25	57.85	22.4	31.6	96	68	ESE 1	WSW 2	3	2	......
5..	58.76	57.31	22.6	31.2	95	69	Calm	WSW 2	1	2	......
6..	58.60	57	21.1	31.7	94	63	Calm	WNW 2	0	2	......
7..	58.66	57.80	22.2	31.9	91	59	Calm	NW 2	1	8	2.8
8..	59.46	57.37	22.8	31.8	95	64	ESE 1	WNW 2	1	2	......
9..	58.51	56.71	22.8	31	93	68	ESE 1	WSW 2	1	5	......
10..	58.17	56.21	22.3	30.9	96	70	Calm	W 2	1	4	......
11 .	57.48	56.12	21.9	29.8	97	70	ENE 1	NNW 2	2	5	......
12..	57.79	56.85	22.2	31.4	96	68	N 1	W 2	3	5	2.3
13..	58.23	57.45	22.4	30.7	96	71	E 1	SW 2	10	5	.5
14..	59.06	57.88	23.2	29.6	93	69	ESE 1	WNW 1	10	10	......
15..	59.33	57.66	23.1	29.4	87	68	ESE 1	WNW 1	10	10	......
16..	58.88	56.78	21.4	30.8	98	63	ENE 1	WNW 2	4	1	......
17..	58.52	57.07	22.4	27.5	96	84	Calm	N 2	1	10	.6
18..	57.67	55.88	21.8	28.9	95	75	Calm	ESE 1	10	10	.4
19..	57.33	56.51	24.6	30.4	77	72	ESE 2	ESE 1	10	10	......
20..	57.69	57.09	24.1	31.8	82	64	ESE 2	W 2	2	9	......
21..	57.80	57.27	23.4	26.2	95	79	S 1	N 2	3	10	2.3
22..	58.77	57.13	23.2	30.6	90	68	NE 1	WNW 2	3	6	42.9
23..	59.41	58.55	23	28.2	88	72	ESE 1	S 1	10	10	......
24..	59.92	58.47	23.3	28.6	85	63	ESE 2	SSW 2	10	9	......
25..	59.77	58.77	22.1	29.6	86	59	SE 2	NW 2	5	2	......
26..	60.22	58.50	20.6	30.1	83	58	E 1	NNW 2	1	1	......
27..	59.11	58.34	22.6	27.6	90	74	ESE 1	ESE 2	10	10	2.8
28..	59.02	58.60	23.4	30.2	95	70	ESE 1	ESE 2	10	10	......
29..	59.50	58.86	24.2	30.2	85	73	ESE 1	NNW 1	10	10	......
30..	60.23	58.70	23.6	28.2	90	76	E 1	ESE 1	10	10	3.6
31..	.....	.....	.....	.....	.....	.....	....	....	....	....	......
Mean	58.87	57.58	22.8	30.2	91.1	68.5	0.9	1.7	5.4	6.5	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	58.2

Day.	DECEMBER.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.57	58.27	23.7	30	85	71	SE 1	W 2	6	7	......
2..	59.90	58.62	22.8	31.4	93	68	ESE 1	W 2	6	4	......
3..	59.44	57.77	21.3	30.2	88	69	ENE 1	SW 2	5	5	......
4..	58.22	55.63	22.4	30.6	91	68	ESE 1	SE 2	5	10	0.3
5..	56.19	55.46	24.3	27	92	84	E 1	SE 1	10	10	2.8
6..	56.12	56	23.9	29.7	92	77	ESE 1	ESE 1	10	10	.5
7..	57.72	57.21	22.2	30.4	96	72	ESE 1	WSW 2	4	10	......
8..	58.92	57.91	23.3	29.1	94	73	ESE 1	SW 2	2	10	......
9..	59.22	57.86	23.2	29.4	97	75	SW 1	WSW 2	9	9	......
10..	59.92	58.81	20.6	29.1	91	68	ENE 1	WNW 2	6	7	......
11 .	60.53	59.06	20.7	30.3	89	66	Calm	WNW 2	1	2	......
12..	59.93	58.62	20.8	30.1	89	68	Calm	WNW 2	1	1	......
13..	59.14	57.02	20.4	30.1	94	74	Calm	W 1	1	10	10.7
14..	58.25	56.66	22.5	30.1	92	67	Calm	WNW 2	1	9	1.5
15..	58.86	57.67	21.9	28.4	94	77	Calm	WNW 2	2	10	5.3
16..	59.27	58.77	20.7	29	97	73	Calm	W 2	1	8	......
17..	60.43	59.65	21.5	30.1	95	73	Calm	W 2	1	7	......
18..	61.18	59.80	21.6	30.2	92	69	ESE 1	W 2	1	6	......
19..	61.57	60.27	22.2	30.4	89	64	Calm	W 2	10	4	......
20..	62.29	60.80	21.1	29.8	94	69	ESE 1	NW 2	5	2	1.8
21..	62.08	61.35	21.4	29.7	96	71	Calm	NW 2	2	7	......
22..	61.77	60.45	21.3	28.6	93	73	ESE 1	W 2	3	9	......
23..	61.17	60.35	20.7	28.5	90	81	ESE 1	WNW 2	5	10	.2
24..	60.37	58.53	20.1	28.6	94	78	E 1	WNW 2	2	9	......
25..	59.97	58.66	21.6	29.5	95	77	Calm	WNW 2	1	9	......
26..	60.23	58.90	21.6	30.4	93	69	Calm	W 2	6	4	......
27..	60.57	59.15	21.7	30.1	94	73	Calm	WNW 2	6	2	......
28..	60.74	59.01	21.6	31.4	95	65	Calm	NW 2	1	2	......
29..	61.20	59.83	23.1	28.9	96	71	Calm	WNW 2	10	10	......
30..	61.97	60.66	22.6	28.8	65	63	SE 2	WSW 2	5	7	......
31..	62.42	60.80	21	30.3	85	51	ESE 3	ESE 1	2	1	......
Mean	59.97	58.70	21.9	29.7	91.6	70.9	0.6	1.9	4.2	6.8	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	**23.1**

BOLINAO

[ϕ=16° 24′ N; λ=119° 53′ E; barometer above sea, 7.06 meters; gravity correction not applied, —1.65 mm.]

Day.	JANUARY.											FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.97	59.56	23.5	29.9	81	65	SE 3	NNE 3	4	3	......	60.98	60.53	19.5	28.7	97	71	SE 1	N 3	2	3	......
2..	60.31	59.25	26.5	29	82	74	NNE 4	N 4	7	6	......	61.55	61.31	22.4	29.4	96	70	SSE 1	NNE 3	6	4	......
3..	60.31	59.95	25.8	28.7	88	71	NNE 4	N 4	5	7	......	62.33	61.99	24.4	32.1	95	58	SE 1	NNE 2	7	3	......
4..	61.21	60.39	25.3	26.7	89	83	N 4	N 4	10	10	......	63.43	63.11	25.5	27.7	93	85	N 3	N 4	7	6	......
5..	61.78	60.78	21.8	29.2	95	70	SE 1	N 3	1	10	......	63.73	62.23	21.7	29.3	94	70	SSE 1	N 3	3	4	......
6..	63.49	62.16	23	29.4	91	62	SE 1	NW 2	8	7	......	64.51	62.53	21.8	30	90	64	SE 2	NNE 3	1	2	......
7..	62.28	61.05	22.7	29.5	79	59	SE 2	NNE 3	1	2	......	63.99	62.07	19.8	32	95	62	SE 1	NNE 2	1	3	......
8..	61.98	59.82	21.8	29.7	94	63	SE 2	NNE 3	1	1	......	63.73	62.08	21.4	29	96	63	SE 1	NW 2	5	3	......
9..	60.44	59.52	20.7	29.4	94	64	SE 1	NNE 3	1	1	......	62.56	61.86	20.5	32	92	59	SE 1	NNE 2	5	2	......
10..	59.07	58.25	22.7	29.8	94	66	SE 2	W 3	1	1	......	62.09	62.05	20.7	29.4	90	70	SSE 1	NW 3	1	2	......
11..	58.55	58.35	22.2	30	96	65	SE 1	NNE 3	7	2	......	62.28	61.11	20.7	30.4	88	59	SE 2	NNE 3	4	3	......
12..	58.91	59.18	20.8	28.8	94	67	Calm	NNE 2	5	6	......	61.60	59.56	21.4	32.8	83	52	SSE 3	W 3	1	2	......
13..	59.50	59.53	21	28.5	89	65	SE 1	NNE 2	7	5	......	61.24	60.76	24.3	29	88	71	SE 1	N 3	8	2	......
14..	61.03	60.93	19.7	30.1	93	57	SE 1	NW 2	3	4	......	61.48	60.90	23.8	28.8	85	69	SE 1	N 3	3	4	......
15..	61.85	61.22	20.3	28.9	94	67	SE 1	NNE 3	6	6	......	61.77	60.70	22.2	31.2	89	48	SSE 1	N 3	8	4	......
16..	61.71	61.27	25	29.7	85	63	SE 1	NNE 3	6	1	......	61.91	60.63	25.1	28.5	84	77	N 3	NNW 4	5	7	......
17..	62.32	62.36	22.4	30.2	90	62	SE 1	NNE 2	1	1	......	60.69	59.58	24.4	28.2	77	62	N 4	N 3	6	6	......
18..	62.93	62.72	22	30.4	83	58	SE 1	NW 2	2	2	......	59.24	58.63	24	28.3	80	67	NNE 2	NW 2	6	3	......
19..	63.40	62.65	23.8	29.1	93	60	SE 2	NNE 2	8	3	......	59.85	58.85	21.1	29.5	95	68	SE 2	W 2	2	3	......
20..	63.04	61.43	19.8	28.8	90	61	SSE 1	N 3	2	4	......	60.49	57.81	20.5	29.6	93	66	SE 1	N 2	4	7	......
21..	62.60	61.93	21.8	30	80	57	SSE 3	NNE 2	1	2	......	59.57	58.55	22.2	30.1	89	65	SE 1	NW 2	5	4	......
22..	62.70	61.78	20.5	28.8	87	61	SE 2	N 2	1	2	......	58.36	57.73	22.2	29.1	89	68	SE 1	NNE 3	6	2	......
23..	61.46	60.50	20.4	30.1	84	57	SSE 2	NNE 3	1	1	......	58.58	58.35	20.6	30.1	94	65	SSE 1	NW 2	2	2	......
24..	61.54	60.18	20	29.7	89	54	SE 2	W 3	1	1	......	59.83	59.71	21.8	29.5	93	64	SE 1	NNE 2	5	4	......
25..	61.08	60.58	19.7	27.9	93	60	SE 1	N 3	2	2	......	59.54	58.58	25.2	29.4	80	66	NNE 3	N 3	7	3	......
26..	61.19	60.42	19.8	29.8	92	63	SE 1	NW 2	1	2	......	59.62	59.44	23.2	30.2	76	65	SE 3	W 2	6	4	......
27..	61.55	60.35	19.8	30.4	88	54	SSE 2	NNE 2	2	1	......	60.59	59.54	22.5	31.5	80	40	SE 3	E 2	6	6	......
28..	61.85	60.31	20.8	28.2	94	70	SE 1	NE 3	2	1	......	60.60	59.31	24.5	31.7	75	43	SE 2	SE 2	6	8	......
29..	60.80	60.28	20.9	30	93	63	SSE 1	NW 3	2	4	......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	......
30..	61.15	60.35	21.4	29.1	96	73	SE 1	NNE 3	7	5	......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	......
31..	60.20	59.60	20.4	29.5	91	66	SE 1	NW 2	2	2	......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	......
Mean	61.30	60.54	21.8	29.3	89.7	63.9	1.6	2.7	3.5	3.4	......	61.29	60.34	22.4	29.9	88.4	63.8	1.7	2.6	4.6	3.8	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0

Day.	MARCH.											APRIL.										
	mm.	mm	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.33	58.31	23.8	33.2	88	35	SE 1	E 2	7	4	......	58.45	57.47	23	30.7	95	65	S 1	NW 2	4	4	......
2..	59.98	59.11	20.7	30	91	56	SE 2	N 2	3	2	......	59.53	58.52	24.6	31.4	95	63	SE 1	W 2	6	2	......
3..	60.45	59.77	21	31	83	58	SE 2	NW 3	2	3	......	59.01	57.32	23.8	30.7	93	65	SE 1	W 2	6	5	......
4..	61.18	59.91	22	31.5	88	54	SE 2	N 3	5	3	......	57.41	57.41	23.7	31.7	92	60	SSE 2	NW 3	4	4	......
5..	61.08	60.06	21.8	29.8	84	60	SE 2	W 3	7	3	......	58.59	58.25	25.2	31.2	90	71	SSE 1	NW 3	8	5	......
6..	60.98	59.95	22.3	30	82	60	SE 2	W 3	8	3	......	59.36	58.07	24.8	31.5	93	70	SSE 1	NW 3	4	5	......
7..	60.48	59.52	23.2	31.2	95	60	SE 2	NW 2	5	4	......	58.93	57.93	25	29.7	89	79	SE 2	SE 2	8	8	25.4
8..	60.18	59.77	22.3	30.3	84	60	SSE 2	N 2	3	8	......	57.94	57.09	24.4	31	97	72	SSE 2	NW 2	4	5	......
9..	60.14	59.25	22	30.4	96	58	SE 2	NW 3	4	2	......	57.43	56.67	25.5	31.3	94	73	E 1	NW 3	6	6	......
10..	60.59	59.19	24.6	32.3	87	57	SE 2	N 2	4	6	......	56.89	55.52	25.2	36	96	56	S 1	NE 2	7	5	28
11..	60.47	58.91	24.8	31.8	81	59	SE 3	N 3	7	3	......	56.95	55.76	27	30.8	90	82	NE 2	NW 2	7	4	1.3
12..	61.15	60.04	23.8	31	89	64	SSE 2	NW 2	3	3	......	56.79	56.14	25.6	31.6	97	77	SE 1	W 3	5	4	......
13..	60.94	59.12	24.7	31	94	65	SE 2	N 2	7	2	......	56.95	56.34	25.4	31.4	88	71	SE 1	NW 3	3	2	1.3
14..	60.10	59.79	22.8	30.5	90	65	SSE 2	N 3	4	3	......	57.80	56.99	25.2	32	96	67	SE 1	NW 2	8	3	......
15..	61.27	60.25	22.8	29.5	93	69	SSE 1	N 3	7	2	......	58.25	57.79	24.8	32	96	69	SE 1	W 3	3	4	......
16..	60.81	59.70	25.8	30.4	84	64	N 2	N 3	8	4	......	58.90	57.99	25.5	31.4	93	72	E 1	N 3	7	4	......
17..	60.11	59.64	20.5	30.4	92	67	SSE 2	W 3	1	2	......	57.84	57.29	25.4	32	84	72	SE 2	NW 2	1	3	......
18..	60.78	59.84	22.5	30.7	85	60	SSE 2	NNE 2	2	1	......	57.53	56.58	26.4	34.5	91	58	SE 2	W 3	4	4	......
19..	61.73	60.84	22.2	30.7	94	72	SE 2	NW 2	5	2	......	58.67	58.35	28	31.7	85	66	NE 2	N 3	7	5	......
20..	61.08	59.45	24.4	30.4	88	64	SSE 2	W 3	4	4	......	59.69	58.63	26	32.8	84	62	SE 2	W 3	3	3	......
21..	59.58	58.77	24	31	90	67	SE 2	NW 2	7	4	......	59.81	58.38	25.3	32.1	76	63	SE 3	W 2	6	1	......
22..	59.02	58.35	24	31.2	94	66	SE 1	W 3	4	3	......	59.34	58.01	24	31.6	87	61	SE 2	W 3	2	1	......
23..	59.15	58.49	23.8	31	93	67	SSE 1	W 3	8	4	......	59.57	59.04	24.8	31.8	93	67	NE 2	N 3	4	4	.3
24..	58.81	58.31	23.5	31.3	94	66	SSE 1	W 3	4	2	......	59.99	58.65	26.3	32.8	93	60	SE 2	NW 3	8	3	......
25..	58.71	58.56	23.8	31.8	93	69	SSE 1	W 3	7	4	......	59.58	58.23	26.4	32.4	81	68	SE 2	W 3	7	3	......
26..	59.81	58.08	25.2	31.5	85	72	SE 1	W 3	3	3	......	58.65	57.68	24.5	31.5	92	69	SE 1	NW 3	2	3	......
27..	59.01	57.93	24.7	31.8	70	59	SE 2	W 3	1	1	......	57.86	56.45	27.2	31.8	89	66	NE 3	NW 3	7	3	......
28..	59.63	58.35	24.6	31	89	65	SSE 1	N 2	8	3	......	57.28	56.28	25.4	32.7	93	61	SE 1	W 3	4	2	......
29..	58.91	58.16	27.1	31.2	86	66	N 3	NW 2	8	2	......	56.68	56.88	27.8	32	82	68	NE 1	N 3	4	2	......
30..	57.96	56.72	26	30.4	72	68	SE 2	W 3	8	7	24.6	58.29	56.92	27	34.8	90	49	SE 1	SE 3	6	4	......
31..	57.45	57.16	24.1	29.3	93	72	SE 2	W 3	7	8	......	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	......
Mean	60.06	59.07	23.5	30.9	88	62.7	1.8	2.6	5.2	3.4	......	58.33	57.42	25.4	32	90.5	66.7	1.5	2.7	5.2	3.7	......
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	24.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	56.3

BOLINAO

[$\phi = 16°\ 24'$ N; $\lambda = 119°\ 53'$ E; barometer above sea, 7.06 meters; gravity correction not applied, —1.65 mm.]

Day.	MAY.											JUNE.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	57.88	56.86	25.7	32.5	78	62	SE 2	W 4	4	2	......	57.96	56.19	25.5	34.5	....	....	SE 1	SE 2	8	7	5.6
2..	58.11	57.05	28.5	32.5	81	65	NE 2	N 3	5	3	......	56.85	55.44	25.4	33	....	....	SE 1	E 2	6	5	5.6
3..	57.96	57.37	26.7	33.4	86	58	SE 2	W 3	6	4	......	56.49	55.05	25	31.8	....	....	SSE 1	NW 2	7	6	5.1
4..	58.39	57.94	24.4	32.4	86	60	SE 1	N 2	4	3	......	56	55.40	26.3	32	....	....	SE 1	W 2	9	6	......
5..	58.96	58.04	23	34.7	93	56	SSE 1	W 3	6	6	......	56.88	56.34	26.4	32.4	....	....	SE 1	W 3	5	6	1.5
6..	59.15	57.67	25	37.5	80	....	SE 2	N 3	3	2	......	57.65	56	26	33.7	....	....	SE 1	E 2	5	6	1.8
7..	58.63	57.20	24.4	33.5	87	61	SE 2	W 3	3	3	......	58.08	56.41	26.2	32.7	....	....	SE 1	N 2	3	5	25.7
8..	57.78	57.22	25.8	33.2	95	67	SE 1	W 3	5	5	......	57.28	56.21	25.5	31.6	....	....	SE 1	NW 3	6	6	23.1
9..	57.78	57.32	25.4	32.8	93	67	SE 1	W 3	2	4	......	55.34	53.61	24.4	31.7	....	....	Calm	NW 3	4	7	.8
10..	57.40	56.34	25.5	32.7	94	68	SE 1	W 3	8	5	......	52	50.96	27	32.2	....	....	SE 1	N 2	10	10	12.8
11..	56.59	56	26.8	32.5	90	63	SE 2	W 3	9	7	4.4	50.71	51.62	24.8	27	....	....	SE 5	SSE 5	10	10	20.6
12..	56.53	55.85	25.2	32.7	94	64	SE 1	W 3	8	8	13.5	53.08	52.60	25.5	31.7	....	....	SE 4	S 4	9	8	2
13..	56.68	56.06	25.4	31.7	92	69	SE 1	W 3	6	6	8.2	53.67	53.52	25.5	31	....	....	SE 3	SW 4	7	9	......
14..	56.50	55.61	24.8	31.4	95	72	SE 1	W 3	7	6	2	53.97	54.23	26	28.4	....	....	SE 3	SSE 3	6	10	10.4
15..	56.05	55.91	25.5	32.3	94	75	SE 2	W 3	6	6	......	55.46	55.06	25.7	29	....	....	SE 3	SW 3	10	10	20.6
16..	55.35	55.48	25.5	31.4	94	77	SE 1	W 3	5	7	16.8	56.02	56.94	25	27	....	....	SSE 2	SSE 4	10	10	7.8
17..	55.54	54.84	25.7	32.5	97	67	SE 1	SW 3	5	8	......	56.27	56.11	24.8	29.5	....	....	SSE 3	SE 2	9	9	8.6
18..	55.09	54.20	25.5	34.3	94	57	SE 2	SW 3	7	6	......	55.88	55.99	25.3	26.5	....	....	SE 2	SE 1	6	10	48
19..	55.19	55.78	26	29.4	90	76	SE 2	SW 2	9	10	18.5	55.78	54.60	25.5	31	....	....	SE 1	W 3	3	4	58.4
20..	56.11	56.03	25.4	32.3	93	66	SE 2	SW 4	10	9	4.1	55.67	55.46	24.4	30.5	....	....	SE 2	NW 3	8	8	27.4
21..	57.43	57.04	25.4	32.7	93	66	SSE 1	W 3	10	6	......	56.32	55.63	24.3	32.5	....	....	SSE 2	SSW 4	5	7	......
22..	57.68	56.40	26.6	32.1	94	70	SE 1	NW 2	7	6	......	57.27	55.71	24.8	31.6	....	....	SE 2	SSW 3	6	7	.5
23..	57.59	56.48	26.2	32	95	70	SE 1	NW 3	7	7	......	56.68	56.60	25.8	31.7	....	....	SE 2	NW 3	4	8	......
24..	57.11	56.76	25.6	32.4	95	73	SE 1	NW 3	4	7	......	56.73	55.83	25.6	32.2	....	....	SE 2	SW 3	7	7	......
25..	57.39	56.89	26.2	31.4	94	75	SE 1	NW 3	7	8	......	55.80	54.63	25.5	32	....	....	SE 2	W 3	9	9	......
26..	56.51	55.59	25.1	32.1	94	69	SE 1	W 3	4	7	1.3	53.77	52.95	25.6	27.8	....	....	SE 2	NW 2	9	10	28
27..	55.57	54.49	26.8	32.2	94	71	SE 1	W 2	8	8	......	54.08	53.74	25	29	....	....	SE 3	SE 3	8	9	2.5
28..	54.68	54.91	26.1	27.6	94	93	SSE 1	SW 2	8	10	7.9	56.85	56.45	25.1	32.7	....	....	SE 2	S 3	3	6	......
29..	55.65	55.39	26.3	31.7	95	68	SE 1	SW 2	9	10	2.8	58.70	57.23	25	31.3	....	....	SE 2	W 3	5	4	6.1
30..	55.98	55.68	25.8	34.5	94	58	SE 1	SE 3	9	9	1	57.20	55.42	25.5	31	....	....	SE 1	NW 3	8	6	7.6
31..	57.33	56.06	26	35	95	59	Calm	SE 3	9	8	7.4	.....	.....	.....	.....	....	....	....	....	....	....	......
Mean	56.92	56.27	25.7	32.6	91.7	67.4	1.3	2.9	6.5	6.3	......	55.81	55.06	25.4	31	....	....	1.9	2.9	6.8	7.5	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	87.9	.....	.....	.....	.....	....	....	....	....	....	....	325.5

	JULY.[a]											AUGUST.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	51.18	51.72	25.2	30.8	96	76	SW 3	SW 5	9	8	8.4
2..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	53.08	52.77	26.4	31.6	94	73	SW 2	SW 4	6	7	3.6
3..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	53.91	53.55	25.8	27.4	97	91	SSE 1	W 2	9	10	48
4..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	53.70	53.23	25.2	27.4	96	84	SW 2	SW 3	10	10	22.3
5..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	54.39	53.50	24	27.3	97	88	SSE 2	SW 2	10	10	66.6
6..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	52.89	52.67	24.1	25	97	93	SW 3	SW 2	10	10	25.4
7..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	49.91	50.26	27.5	26	92	94	SW 4	SW 4	10	10	86.8
8..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	49.98	50.13	27	25.5	94	91	SW 4	SW 4	10	10	44.1
9..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	50.34	51.27	27	25.7	95	96	SW 3	SW 3	10	10	66.6
10..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	51.87	51.65	25.6	25.5	97	95	SW 2	SW 3	10	10	102.4
11..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	51.65	51.28	25	24.5	98	97	SW 3	SW 3	10	10	110.5
12..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	51	51.33	25	26.1	98	95	SW 2	SSW 2	10	10	87.2
13..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	52.04	53.11	24.4	25.4	97	97	SSW 2	S 1	10	10	66.1
14..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	53.71	54.19	24.2	24.7	98	97	SSE 3	SSE 2	10	9	82.3
15..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	54.70	54.90	23.5	25.7	97	93	SSE 2	SW 2	10	10	27.2
16..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	55.61	56.85	24.1	25.1	97	96	SSE 3	SSE 2	9	10	89.4
17..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	57.29	56.53	24.4	29.9	98	82	SSE 1	SW 2	10	9	57.1
18..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	56.65	55.61	24	27.2	98	91	SSE 2	SSE 2	9	10	7.1
19..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	56.52	56.09	24.5	31.4	96	71	S 2	SW 2	9	9	3.8
20..	55.92	55.26	24.8	30.8	97	75	SE 3	SE 3	8	9	......	54.60	49.65	26.5	26.8	90	92	WNW 3	WNW 5	10	10	221.9
21..	55.40	54.40	25.2	31.7	92	66	SE 1	N 2	8	8	0.3	49.50	51.60	25.2	27	92	89	SW 4	SSE 3	10	10	68.3
22..	54.95	54.52	25.4	29.5	93	78	SE 1	W 2	8	9	25.2	55.65	55.96	24.4	29.4	98	81	SSE 3	SSE 2	10	8	35
23..	54.70	54.07	24.5	32.4	96	62	SE 1	ESE 2	10	9	6.9	56.89	56.06	24.5	31	97	75	SE 1	SW 3	10	8	48.8
24..	54.27	53.03	25	30.1	96	71	SE 1	NNE 2	9	8	6	55.32	54.65	25.2	26.8	97	89	W 3	W 4	10	10	49
25..	53.77	53.85	25.4	26.5	92	90	SE 3	SE 3	9	10	26.4	53.60	51.80	25.6	29.7	94	80	WSW 4	SW 3	10	10	51.8
26..	53.80	52.75	24.8	27	96	90	SE 3	SE 2	10	9	26.9	53.78	54.74	24.5	25.5	96	93	S 2	SE 3	10	10	75.4
27..	51.67	50.78	25.5	30	93	82	SE 4	S 2	9	9	15.8	56	56.06	23.7	25.5	98	93	SE 4	SE 3	10	10	50
28..	51.89	51.89	24.4	29.5	97	78	S 2	S 4	10	9	7.2	56	55.58	23.4	28.7	98	84	SSE 2	SE 1	10	10	2.8
29..	52.27	52.38	24.6	28	96	88	S 2	SSW 2	10	10	32.5	55.91	54.64	24.4	29.8	94	76	W 2	W 2	10	8	3
30..	51.18	50.76	25.4	27.5	95	90	SW 3	SW 2	10	10	68.8	54.02	53.43	26.2	28.6	94	85	WNW 3	W 3	10	10	16.3
31..	51.06	50.14	26.2	29.6	94	79	SW 3	SW 5	9	9	36.8	53.70	53.28	26.3	29.7	95	77	W 2	WNW 2	9	9	8.1
Mean	.....	.....	.....	.....	.....	.....	....	....	....	....	......	53.72	53.49	25.1	27.4	96	87.5	2.5	2.7	9.7	9.5	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	......	.....	.....	.....	.....	....	....	....	....	....	....	**1,635.3**

[a] Temporarily closed from 1st to 19th.

BOLINAO

[ϕ=16° 24′ N; λ=119° 53′ E; barometer above sea, 7.06 meters; gravity correction not applied, —1.65 mm.]

Day.	SEPTEMBER.											OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	53.19	52.63	24.4	30.4	97	75	WSW 1	SW 3	9	8	3.6	57.51	56.72	23.6	30.8	91	72	SE 2	W 3	4	5	......
2..	54.91	55.49	24.5	28.5	98	88	SE 2	SW 2	10	9	21.3	56.65	55.41	24.8	31.5	93	68	SE 1	W 2	5	4	......
3..	57.30	57.83	24.1	31.8	97	67	SSE 1	SW 2	8	7	......	56.30	55.64	23.7	31.4	93	67	SE 1	W 2	8	6	......
4..	58.67	58.68	24.7	30.7	96	77	E 1	W 3	8	8	......	56.69	55.99	27.7	30.6	76	71	N 3	N 3	8	7	0.3
5..	58.18	57.91	26.4	30.2	94	78	NW 2	NW 3	7	7	......	56.33	55.63	27.8	30.8	82	71	NE 3	N 3	7	5	11.4
6..	57.73	56.83	25	29.4	95	78	SSE 1	NW 3	6	8	3.6	52.30	55.50	25.2	31.5	92	72	SSE 1	W 3	9	6	3
7..	55.80	55.55	24.5	29.3	96	79	SE 1	NW 4	6	8	11.7	57.45	56.55	24.8	31	93	71	S 2	W 3	7	7	......
8..	55.74	55.68	24	30.2	96	75	S 1	NW 2	6	4	......	56.70	55.36	24.4	29.7	94	78	SSE 1	NE 2	7	9	......
9..	56.36	55.97	24.5	31.4	97	74	Calm	W 2	5	7	2	55.06	54.56	25	29.5	93	77	SE 1	N 3	8	9	1.8
10..	56.40	55.12	24.4	30.4	97	76	SE 2	W 3	8	5	......	54.70	53.49	24.6	33.7	93	61	SE 2	SSE 3	8	8	13
11..	54.80	54.17	25.2	31.3	95	73	E 1	W 3	8	8	3.3	55.25	55.36	25	29.9	90	75	SE 3	SE 1	8	10	.8
12..	54.17	52.84	25.4	30.5	95	70	SE 1	NW 3	10	9	......	58.06	57.56	24.7	29.5	90	77	SE 3	SE 3	9	9	......
13..	53.17	52.82	24.9	30.9	92	69	SSE 1	W 3	9	9	2.5	59.26	58.53	24.3	31.1	94	70	SE 1	NW 2	7	8	......
14..	54.70	53.91	24.6	30.2	92	70	SE 1	W 3	8	7	.8	58.05	56.46	25	31.2	94	70	SE 1	W 2	8	8	......
15..	55.34	55.29	25	25	95	93	SE 2	SW 2	4	10	65.5	55.54	54.37	25.1	30	95	68	Calm	NE 2	9	9	......
16..	56.36	56.30	24.2	25.8	93	92	S 1	SE 2	6	10	35.1	54.84	54.01	25.5	32.6	88	64	SE 2	SE 3	9	8	......
17..	57.65	57.46	23.5	31.8	94	64	SE 1	E 2	9	8	......	56.39	55.55	25.5	31.2	88	63	SE 2	W 3	9	8	......
18..	58.96	58.17	24.6	31.7	88	63	SE 1	SE 3	8	8	......	56.70	55.46	24.4	30.8	94	65	SE 1	N 2	7	7	.3
19..	58.66	57.65	24.2	31.5	87	68	SE 1	E 2	8	5	10.4	56.90	55.62	24.9	29.9	94	71	SE 1	W 3	7	8	.3
20..	58.09	57.07	24	31.1	93	71	SE 1	W 3	8	7	4.8	57.30	56.58	25.2	28.7	94	75	SE 1	W 2	8	8	15.2
21..	57.66	57.69	24.8	24.2	95	91	SE 2	SW 2	7	10	81.8	58.45	57.47	23.7	32	92	59	SE 1	SE 2	8	7	3
22..	58.44	57.28	24.1	30.8	91	71	SSE 2	W 2	6	6	.3	59.20	58.07	24.5	30.6	92	67	E 1	N 3	8	3	......
23..	57.54	57.41	24.8	32.6	80	60	SE 2	SE 2	8	5	......	58.85	58.53	23.8	30.8	93	68	Calm	N 2	4	5	......
24..	57.85	57.75	24.1	31.2	88	61	SE 1	N 2	8	6	......	58.65	57.78	24.7	29.8	94	71	SE 1	N 3	7	4	......
25..	58.39	58.13	23	32.4	90	60	E 2	E 2	3	2	......	58.52	57.46	23.6	31	95	67	SE 1	N 2	8	6	......
26..	59.01	57.71	23.9	31.4	92	63	Calm	NE 2	2	6	......	58.96	57.95	24	31.3	91	69	SE 1	N 2	4	5	......
27..	58.40	57.40	24.6	31.8	87	64	SE 1	N 2	6	4	2.3	58.96	58.62	23.8	31	91	69	SE 1	SE 2	8	8	......
28..	58.28	57.43	24.7	31	92	64	SE 2	NW 2	9	7	......	58.60	57.72	24.2	30.7	93	65	SE 2	N 2	4	5	......
29..	58.51	57.22	24.8	30.6	92	71	Calm	NW 2	9	4	.8	58.25	57.34	24.4	31.7	90	65	SE 2	N 2	7	4	......
30..	58.30	56.96	25	30.8	92	68	SE 1	NW 3	7	4	1.5	58.50	57.34	24.5	31.2	92	69	SE 1	N 2	5	6	5.8
31..	.....	.....	....	....	....	....	....	....	....	....	......	57.95	56.94	24	31.2	93	64	Calm	N 2	8	8	......
Mean	56.95	56.41	24.5	30.3	92.9	72.4	1.2	2.5	7.2	6.9	......	57.35	56.44	24.7	30.9	91.5	69	1.4	2.4	7.2	6.8	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	251.3	.....	.....	.....	.....	.....	.....	....	....	....	....	54.9

Day.	NOVEMBER.											DECEMBER.										
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	57.76	57.76	24.5	30.8	86	65	SE 3	N 2	8	9	6.9	59.02	57.57	23.5	29.6	89	67	SE 2	N 2	8	8	......
2..	58.53	58.78	25	30.8	83	69	SE 2	NE 2	9	9	......	59.21	57.73	22.7	30.6	91	65	SE 1	NE 3	8	8	......
3..	59.01	57.83	24.9	30.7	84	75	SE 1	N 2	8	3	......	58.57	57.53	21	30.1	93	61	E 1	N 2	6	3	......
4..	58.50	57.63	23.8	33.5	93	53	SE 1	E 2	7	3	......	57.56	55.36	21.5	29.7	93	70	E 1	N 2	7	8	......
5..	57.86	56.96	23.2	31.8	94	64	SE 1	NE 2	7	2	......	55.65	54.74	24.7	30	90	75	ESE 1	E 2	9	9	0.3
6..	57.45	56.52	23.2	32.4	86	55	SE 1	N 2	4	2	......	55.94	55.43	24.2	30.8	94	68	SE 2	E 2	9	9	......
7..	57.76	57.56	22.8	31.3	88	64	E 2	NE 2	4	2	......	56.93	56.38	25.4	29.5	88	72	ESE 3	N 2	7	7	2
8..	58.26	57.36	24	30.8	91	71	SE 2	N 3	5	4	......	57.62	57.29	23.5	28.5	92	76	SE 1	W 2	8	7	......
9..	57.30	56.35	25	31.2	95	66	E 1	NE 2	7	5	......	57.91	57.44	23.4	29	93	75	Calm	NNE 2	7	8	......
10..	57	55.70	23.8	31	95	68	SE 1	N 2	5	4	......	59.20	58.41	23	30.4	91	66	E 1	NE 2	6	7	......
11..	56.10	55.30	24	30.5	96	68	SE 1	N 2	7	4	......	59.85	58.92	22.4	29.7	92	68	SE 1	NNE 2	5	4	......
12..	56.64	56.26	26.2	29.9	92	72	NE 3	N 3	9	6	3.8	58.95	58.31	24	29.6	90	69	NE 1	NW 2	5	4	......
13..	57.04	56.88	23.2	30.5	95	66	SE 1	N 2	8	8	......	58.29	56.69	26	28.5	85	70	NE 3	N 4	8	6	......
14..	58.36	57.47	23.1	30	90	68	SE 1	N 3	8	7	......	57.28	55.86	23.4	29.4	90	71	NE 1	N 2	3	3	2
15..	58.05	56.78	22.2	29.6	89	61	SE 2	N 2	8	8	......	57.63	57.80	24.4	27.3	92	75	E 2	N 3	8	7	3.6
16..	57.51	56.23	21.7	29.8	94	69	SE 1	N 2	8	4	......	58.15	58.22	24.8	29.5	87	68	ENE 1	NE 2	8	3	......
17..	57.22	56.08	23	30.5	96	67	E 1	NW 2	8	4	......	58.75	59.17	22.1	29.4	91	65	SE 1	N 2	4	3	......
18..	57.01	55.78	27.3	29.6	86	75	N 4	N 3	9	8	.3	60.37	59.62	22	28.9	93	71	E 1	NNE 3	4	7	......
19..	.....	56.26	....	30.6	....	68	....	NE 2	....	7	......	60.69	59.76	23.7	30.8	82	57	SE 2	ENE 3	7	7	......
20..	57.13	56.40	24.5	31.2	89	66	SE 2	N 2	7	6	22.9	61.07	60.55	22.7	29.2	83	67	SE 1	NE 3	8	7	......
21..	57.03	56.18	26.3	27.5	90	77	NE 3	N 4	8	9	......	61.16	60.71	25.5	29	82	71	NE 3	NE 2	8	6	......
22..	57.70	56.51	25.3	30.4	90	56	NE 2	NE 2	8	7	2.5	61.23	60.47	23	29.5	83	63	SE 2	NE 2	7	7	......
23..	58.52	.....	22.8	....	91	....	SE 2	....	9	....	9.7	60.94	59.55	21.2	29.5	92	64	E 1	N 2	7	7	......
24..	59.27	58.75	22.8	26.2	93	69	Calm	NE 3	9	10	7.7	59.50	58.47	21.5	28.7	94	75	ENE 1	N 3	8	8	......
25..	59.42	58.62	21.1	28.1	81	61	SE 2	N 3	7	3	......	58.58	58.23	25	29	88	70	SE 1	N 2	6	7	......
26..	59.92	58.43	18.6	28.2	94	66	SE 1	NE 2	8	3	......	59.31	58.13	22.5	30.1	92	61	SE 1	NNE 2	5	5	......
27..	58.47	57.91	23.5	29.4	91	72	E 1	N 3	8	9	......	59.44	59.03	22.5	29.5	91	67	E 1	NNE 2	7	8	......
28..	58.15	58.63	24	28.7	91	80	SE 1	E 2	9	9	......	60.21	59.54	25.6	27.5	81	73	NNE 2	N 4	8	5	......
29..	59.51	58.44	21.8	29.2	95	74	SE 1	N 3	8	8	......	60.22	59.93	24	26.8	91	70	NNE 1	N 4	8	8	......
30..	59.01	58.64	23.2	29.8	93	74	SE 2	SE 2	8	9	......	61.15	59.51	23	27.8	73	62	SE 1	NE 4	9	5	......
31..	.....	.....	....	....	....	....	....	....	....	....	......	61.40	60.56	20.3	29.7	69	45	SE 3	E 3	6	5	......
Mean	57.98	57.17	23.6	30.1	90.7	67.6	1.6	2.3	7.5	5.9	......	59.09	58.29	23.3	29.3	88.2	67.6	1.4	2.5	6.9	6.3	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	53.8	.....	.....	.....	.....	.....	.....	....	....	....	....	7.9

SAN FERNANDO, LA UNION

[φ=16° 37′ N; λ=120° 19′ E; barometer above sea, 3 meters; gravity correction not applied, −1.65 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.03	60.66	21.5	29.5	95	66	Calm	W 1	5	4	......
2..	62.02	60.90	23.6	29.6	86	67	Calm	N 3	8	4	......
3..	61.83	61.26	21.8	29.4	95	64	Calm	NNW 2	8	4	......
4..	62.46	61.76	23.8	29.2	89	68	Calm	NNW 2	10	4	......
5..	62.71	62.46	22.7	27.8	94	75	Calm	NW 2	6	10	20.6
6..	64.22	63.09	22.8	28.8	97	63	Calm	WNW 1	8	7	......
7..	63.06	61.94	20.5	28	95	68	Calm	NW 2	6	3	......
8..	62.79	60.77	21	29	95	68	Calm	NW 2	6	3	......
9..	61.43	60.01	20.8	28.8	96	68	Calm	NW 1	4	2	......
10..	60.02	58.68	20.6	30.3	96	61	Calm	WSW 1	4	3	......
11..	59.48	58.96	20.6	29.2	96	64	Calm	NW 1	6	2	......
12..	59.69	59.43	19	28.2	97	66	Calm	WNW 3	5	3	......
13..	60.22	60.03	17	28.3	94	62	Calm	NW 2	4	4	......
14..	61.69	61.62	19	28.4	95	62	Calm	WNW 1	8	5	......
15..	62.58	62.06	20	28	95	70	Calm	Calm	10	10	......
16..	62.28	61.84	19.8	28.9	96	62	Calm	NW 2	8	3	......
17..	63.16	62.99	19.4	29.7	92	58	Calm	W 1	6	4	......
18..	63.81	63.45	18.8	28.5	92	62	Calm	W 1	2	3	......
19..	64.18	63.47	19.4	27.8	92	66	Calm	WNW 1	7	6	......
20..	63.71	62.39	19.9	28.4	95	66	Calm	W 2	8	6	......
21..	63.36	62.72	19.3	28	93	63	Calm	WNW 1	7	3	......
22..	63.41	62.33	18.5	28.1	95	65	Calm	WNW 2	6	3	......
23..	62.37	61.53	17.6	27.6	94	64	Calm	WNW 1	4	4	......
24..	62.38	60.73	16	29.5	94	53	Calm	NW 1	5	4	......
25..	61.90	61.16	17.8	27.8	92	65	Calm	WNW 2	8	5	......
26..	62.11	61.13	18.8	29.9	94	49	Calm	Calm	8	10	......
27..	62.37	61.36	19.4	28.5	94	54	Calm	W 1	10	8	......
28..	62.59	61.01	17.8	28.3	92	62	Calm	W 2	5	5	......
29..	61.53	60.97	19	29.3	94	62	Calm	NW 2	9	6	......
30..	61.92	60.94	21.2	29	95	63	Calm	W 1	7	6	......
31..	61.14	60.38	17.3	28.5	93	64	Calm	W 2	6	6	......
Mean	62.18	61.36	19.8	28.7	93.9	63.5	0	1.5	6.6	4.8	......
Total	.....	.....	....	....	....	....	....	....	....	....	20.6

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.79	61.31	18	29	94	58	Calm	WNW 2	6	5	......
2..	62.46	62.16	21	28.3	93	66	Calm	NNW 1	8	8	......
3..	63.31	61.91	19.6	30.4	94	54	Calm	W 1	9	6	......
4..	64.10	63.21	22.2	29	89	68	Calm	NW 1	10	5	......
5..	64.28	63.04	20.6	29	94	57	Calm	NNW 1	8	5	......
6..	65.49	63.55	19.5	28.6	93	61	Calm	W 1	6	3	......
7..	64.86	63.04	18.8	29.7	94	51	Calm	W 1	6	3	......
8..	64.71	62.61	20	28.8	92	64	Calm	W 1	5	3	......
9..	63.41	62.30	20.8	28.7	93	70	Calm	WNW 1	8	3	......
10..	62.96	61.99	19.8	28.7	90	59	Calm	NW 2	6	5	......
11..	62.87	61.97	20.8	28.8	93	60	Calm	NW 2	6	4	......
12..	62.23	60.42	19	30.3	94	51	Calm	W 1	7	4	......
13..	62.06	61.51	20	29	92	64	Calm	NW 1	5	5	......
14..	61.80	61.32	21.2	28.7	93	64	Calm	NW 2	10	6	......
15..	62.33	61.72	21	28.7	91	63	Calm	NW 1	8	6	......
16..	62.21	61	19.8	29.3	92	64	Calm	NW 4	7	2	......
17..	61.26	59.84	22.2	28.5	82	58	Calm	NbyW 3	6	3	......
18..	59.91	59.19	18.4	29	92	59	Calm	NW 1	6	4	......
19..	60.61	59.39	20.5	30	90	57	Calm	NW 2	8	4	......
20..	61.09	58.81	21	30	91	54	Calm	NNW 1	4	6	......
21..	60.37	59.15	21.5	30.1	91	64	Calm	NW 2	10	2	......
22..	58.71	58.33	19.2	29.5	94	63	Calm	NNW 2	5	4	......
23..	59.76	58.86	20.4	29.8	87	66	Calm	NW 2	6	4	......
24..	60.48	59.41	19.8	28.8	89	67	Calm	N 3	8	6	......
25..	60.07	59.07	20.8	29.2	93	58	Calm	NW 2	8	5	......
26..	60.45	59.97	23.8	30.8	73	46	Calm	NW 1	10	4	......
27..	61.59	60.49	20.2	31	89	45	Calm	W 1	7	4	......
28..	61.26	60.45	22	29.4	91	50	Calm	NW 1	10	10	......
29..	.....	.....	....	....	....	....	....	....	....	....	......
30..	.....	.....	....	....	....	....	....	....	....	....	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	62.02	60.93	20.4	29.3	90.8	59.3	0	1.6	7.2	4.6	......
Total	.....	.....	....	....	....	....	....	....	....	....	0

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	60.76	59.42	23.8	30	88	55	Calm	NW 1	10	4	......
2..	60.49	60.11	20	30	91	59	Calm	NW 1	7	4	......
3..	61.01	60.91	20	29.9	91	59	Calm	NW 1	10	4	......
4..	61.81	61.24	21.5	29.5	88	61	Calm	NW 1	9	4	......
5..	61.49	60.96	20.7	31.5	91	50	Calm	NNW 1	10	6	......
6..	61.37	60.67	21.5	31.2	90	48	Calm	NW 1	10	6	......
7..	61.38	60.44	20	30	94	56	Calm	NNW 2	10	8	......
8..	60.83	60.69	21	30.5	91	58	Calm	WNW 2	9	8	......
9..	60.71	60.09	21.2	29.9	94	63	Calm	NW 1	7	6	......
10..	61.26	60.05	23.3	30.5	92	65	Calm	NW 1	10	10	......
11..	61.45	59.94	24	31.3	79	53	Calm	WNW 1	10	10	......
12..	61.81	60.80	22.8	30.8	90	59	Calm	NW 1	8	8	......
13..	61.70	60.06	23.5	30.8	85	60	Calm	WNW 1	10	6	......
14..	60.89	60.31	23.8	32.7	78	52	Calm	NW 1	9	6	......
15..	61.96	61.04	22	30	91	66	Calm	WNW 2	10	7	......
16..	61.31	59.94	24	30.9	90	60	Calm	WNW 2	10	9	......
17..	60.93	60.36	21	31.8	91	58	Calm	W 1	9	6	......
18..	61.71	60.79	23	30.4	91	63	Calm	W 2	10	9	......
19..	62.48	61.64	21.7	30.5	94	65	Calm	WNW 1	9	6	......
20..	61.65	59.95	23.8	32.7	93	59	Calm	WNW 1	7	6	......
21..	60.51	59.30	22	32.6	91	55	Calm	NW 1	8	5	......
22..	59.75	58.98	23.2	32	93	58	Calm	WNW 1	6	10	......
23..	59.81	58.94	24.2	31	90	65	Calm	WNW 2	9	6	......
24..	59.61	59.03	25	31.9	88	61	Calm	NW 1	6	5	......
25..	59.67	59.16	....	32.7	....	62..	Calm	NW 1	7	6	......
26..	60.46	58.69	25.7	33	78	56	Calm	NW 1	8	8	......
27..	60.04	58.59	23.5	32.6	74	50	Calm	WNW 1	10	6	......
28..	60.52	59.08	22.8	31.4	84	65	Calm	NNW 1	10	10	......
29..	59.45	58.75	23.8	32.3	89	54	SE 1	W 2	4	6	......
30..	58.68	57.13	25.8	33.5	77	44	SSE 1	WNW 2	10	8	29.2
31..	58.21	57.71	22.9	31.5	92	62	Calm	NW 2	9	7	......
Mean	60.76	59.83	22.7	31.3	88.3	58.1	0.1	1.3	8.7	6.8	......
Total	.....	.....	....	....	....	....	....	....	....	....	29.2

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.12	58.34	23.6	31.4	94	66	Calm	W 2	4	1	......
2..	60.21	59.41	24	31.2	92	66	E 1	WNW 2	6	1	......
3..	59.52	57.90	23.9	31.2	93	66	ESE 1	NW 2	5	3	......
4..	58.93	57.95	23	32.4	92	60	SE 1	NW 3	2	1	......
5..	59.91	58.90	24.5	32.4	91	58	Calm	SW 2	9	9	......
6..	60.07	59.36	24.8	32.4	88	60	SE 1	NW 3	3	1	......
7..	59.79	58.19	25.9	32	83	63	SSE 1	W 2	6	2	......
8..	58.70	57.81	25.5	32.2	88	55	S 1	NW 2	5	2	......
9..	58.14	57.18	26.3	33.6	82	53	Calm	NW 2	10	7	......
10..	57.43	56.49	25.6	33	87	57	Calm	NW 2	5	5	1
11..	57.96	56.59	24.5	30.6	95	72	Calm	N 2	6	7	10.7
12..	57.83	56.33	23.3	33.5	96	60	Calm	W 2	2	3	......
13..	57.89	56.75	24	34	93	51	Calm	SW 2	9	4	6.4
14..	58.43	57.85	25.5	32	94	58	Calm	WNW 1	10	5	......
15..	59.14	58.29	24.7	32.2	92	60	Calm	WNW 2	7	6	......
16..	59.80	58.46	26.2	33	95	63	Calm	NW 2	9	4	.....
17..	58.71	58.04	24.3	34.2	86	48	Calm	WNW 1	5	3	......
18..	58.48	57.61	23.4	33.8	88	59	Calm	WNW 1	6	2	......
19..	59.57	59	24.7	33.9	87	60	Calm	NW 1	6	8	......
20..	60.34	59.35	25.5	35.4	83	45	Calm	W 2	9	4	......
21..	60.74	58.67	25.3	35.6	83	43	E 1	SW 2	6	4	......
22..	60.17	58.58	25.2	34	85	49	Calm	W 1	5	3	......
23..	60.65	59.58	25.3	32.3	86	64	Calm	W 1	10	7	1.5
24..	60.80	59.48	24.4	34	88	55	Calm	WNW 1	8	3	......
25..	60.35	58.57	24.3	34.8	81	50	Calm	WSW 2	5	3	......
26..	59.47	58.39	24.9	33.2	87	62	Calm	WNW 2	7	3	......
27..	58.86	56.78	25.7	33.9	88	59	Calm	W 2	5	4	......
28..	58.12	56.54	27.2	34.6	84	56	Calm	WNW 1	10	2	......
29..	58.25	57.42	26	34	88	62	Calm	NW 2	5	4	......
30..	59.28	57.44	27	34.8	84	58	Calm	NW 2	6	3	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	59.23	58.04	25	33.2	88.4	57.9	0.2	1.8	6.4	3.8	......
Total	.....	.....	....	....	....	....	....	....	....	....	19.6

SAN FERNANDO, LA UNION

[ϕ=16° 37′ N; λ=120° 19′ E; barometer above sea, 3 meters; gravity correction not applied, —1.65 mm.]

Day.	MAY.											JUNE.[a]										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a.m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a.m.[b]
	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.		6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	6 a.m.	2 p.m.	
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0-10*	*0-10*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0-10*	*0-10*	*mm.*
1	58.81	57.28	25	35.4	83	53	Calm	WSW 2	5	4	......	58.91	56.90	25	33.5	97	64	Calm	W 1	9	8	3.8
2	59.37	57.84	26	34.3	92	60	Calm	NNW 2	6	3	......	57.74	56.40	24.6	31.3	97	70	Calm	NW 2	8	10	......
3	58.81	58	24.5	34	89	59	Calm	WNW 1	8	4	0.3	57.23	55.29	25.1	33	94	64	Calm	W 1	5	4	.3
4	59.36	58.48	24.5	34	89	58	Calm	WNW 2	5	5	......	56.73	55.83	25.2	33.3	94	60	Calm	WSW 2	6	4	......
5	60.12	59.13	23.8	34.1	90	55	Calm	WNW 1	4	4	......	57.63	56.66	25	34.2	96	56	Calm	W 1	4	8	.5
6	60.01	58.79	24.5	34	79	54	Calm	NW 2	3	4	......	58.33	56.68	25.8	33.8	93	64	Calm	SW 1	5	3	2.3
7	59.49	57.84	24.6	36	83	38	Calm	W 1	3	2	......	58.97	.....	26	....	96	....	Calm	....	4	....	......
8	58.56	57.69	25.7	36.4	81	40	Calm	W 2	4	4	......	.....	.....	....	....	....	....	....	....	....	....	40.9
9	58.55	57.62	25.3	34.3	81	59	Calm	WbyN 2	3	5	13.1	.....	.....	....	....	....	....	....	....	....	....	5.6
10	58.16	56.65	26.4	34.5	86	56	Calm	WNW 1	4	5	......	.....	.....	....	....	....	....	....	....	....	....	6.4
11	57.59	56.06	26	33.8	85	58	Calm	W 2	10	6	......	52.54	51.80	24.3	29.7	96	69	SE 2	SSE 4	10	10	.8
12	57.13	56.13	24.5	34.5	87	59	Calm	WNW 2	5	5	37.1	52.94	53.10	27.5	32.5	96	60	SSW 2	SSW 3	10	10	.5
13	57.48	56.10	24.5	33.6	96	59	Calm	W 2	4	5	.9	53.73	53.38	27.3	34.5	75	56	SW 2	SW 3	8	7	2
14	57.30	56.22	24.3	33.7	93	60	Calm	SW 1	6	5	......	54.02	54.81	27	30.6	77	71	Calm	S 3	5	10	27.9
15	56.86	56.31	24.6	33.8	92	60	Calm	WNW 2	4	5	......	55.98	56.36	26	26	87	90	Calm	Calm	10	10	11.9
16	56.33	55.90	24.7	33.3	94	65	Calm	WSW 2	6	7	......	56.62	57.76	25.8	28.5	93	73	SSE 2	S 2	10	10	2.3
17	56.26	55.68	25.5	34.5	91	58	Calm	W 2	6	7	7.6	56.73	56.65	26	31	84	65	Calm	SW 2	7	7	2.5
18	55.94	54.89	26.7	32.9	80	51	Calm	SW 1	7	10	......	56.78	56.95	25.7	28.2	88	80	Calm	SW 1	10	10	.3
19	55.99	56.01	26.5	30.8	80	71	S 1	Calm	10	10	24.1	56.61	55.10	23.8	32.8	93	65	Calm	WSW 1	6	3	31.5
20	56.86	56	24.8	33	90	64	Calm	SW 2	10	10	.6	56.47	56.21	24	28.3	96	80	Calm	Calm	8	10	3.6
21	58.18	57.69	25.3	34.2	94	55	Calm	W 2	10	4	......	56.98	55.99	24.3	31.8	94	69	Calm	S 2	6	4	......
22	58.49	57.01	26	33.5	92	61	Calm	W 2	5	4	......	57.93	57.47	24.9	30.6	84	69	Calm	SW 2	8	10	1.3
23	58.52	56.90	25.7	33.1	93	65	Calm	WNW 2	6	5	......	57.54	57.37	25.5	32.6	80	64	Calm	SSW 1	9	8	3.8
24	57.91	57.34	25.4	34.5	92	59	Calm	NW 2	7	6	......	57.28	56.65	25.2	31.3	92	70	Calm	WSW 1	8	10	14.5
25	58.13	57.48	25.2	33.3	92	66	Calm	NW 2	8	8	......	56.53	55.34	25	30.6	95	69	Calm	WSW 2	8	10	15.7
26	57.46	56	25	34	90	63	Calm	WNW 2	4	4	3	54.36	53.56	24.9	30.6	89	72	Calm	SW 1	6	10	26.9
27	56.29	55.40	26	32	92	69	Calm	Calm	10	10	.5	54.48	53.65	25	33	88	55	Calm	SW 3	10	2	......
28	55.43	56.12	25.5	28	94	82	Calm	Calm	8	10	1.3	57.03	56.48	27.2	33.6	70	64	Calm	SW 4	2	2	......
29	56.31	55.66	24.8	33	93	62	Calm	NW 1	9	9	87.9	59.51	57.84	26	32.3	90	68	Calm	SW 2	9	3	3.3
30	56.84	57.10	24.3	30	97	73	Calm	SSW 1	8	10	18	57.80	55.76	25	32	96	66	Calm	WNW 2	9	6	14.8
31	58.09	56.86	24.4	33.5	97	64	Calm	W 1	10	8	1.5	.....	.....	....	....	....	....	....	....	....	....	......
Mean	57.76	56.84	25.2	33.5	89.3	59.9	0	1.5	6.4	6.1	......	56.57	55.77	25.4	31.5	90	67.4	0.3	1.8	7.4	7.3	......
Total	.....	.....	....	....	....	....	....	....	....	....	195.9	.....	.....	....	....	....	....	....	....	....	....	223.4

Day.	JULY.											AUGUST.										
	mm.	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0-10*	*0-10*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*			*0-10*	*0-10*	*mm.*
1	54.84	53.42	24	31.6	97	68	Calm	NWbyN 2	10	10	26.9	52.40	52.68	25.2	28.4	94	88	SSE 2	S 2	10	10	26.2
2	52.54	53.95	25.2	23.5	97	94	NEbyE 2	SSE 2	10	10	77	53.81	53.83	26	29	92	88	S 1	SW 2	10	10	19.3
3	56.22	56.62	23.5	28.5	84	70	SE 2	SSW 2	10	10	15.2	54.47	53.94	25.1	30	94	82	Calm	SW 2	10	10	7.4
4	58.22	58.84	24	31.2	83	67	SSW 2	SW 2	10	9	.9	54.27	53.82	24.8	28.8	92	79	Calm	SW 2	10	10	34.3
5	59.48	58.32	22.8	31.8	93	65	Calm	SW 1	10	10	......	55.16	53.81	24 1	30	94	71	Calm	SSW 2	10	10	35.8
6	58.58	58.25	23.6	31.6	97	63	Calm	NW 1	9	10	1.3	53.93	53.39	23.5	24.4	96	95	SW 1	SW 2	10	10	94.5
7	59.58	59.57	22	31.6	95	61	Calm	WNW 1	10	9	......	50.47	51.34	27 ?	24.5	92	92	WSW 3	SSE 2	10	10	73.4
8	59.91	59.90	23.6	31.6	97	65	Calm	WNW 1	4	3	......	50.85	51.02	24.6	27.9	97	91	SE 2	WSW 2	10	10	93.3
9	59.29	58.40	24	32.4	96	71	Calm	NW 1	2	8	......	51.09	52.20	26	25.5	92	94	SW 2	S 2	10	10	166.5
10	57.52	57.55	23.5	33.3	96	56	Calm	WNW 1	5	4	......	52.89	52.37	25	26.8	96	90	SW 2	S 2	10	10	117.1
11	58.16	57.54	24.5	33	94	60	Calm	WNW 1	4	5	......	52.46	52	24.8	24.3	98	97	SW 2	WSW 2	10	10	159
12	59.07	58.60	24	33	95	62	Calm	WNW 1	2	3	......	51.70	52.05	24.6	26.5	95	86	SE 1	S 2	10	10	91.9
13	59.15	58.09	24.5	33.8	92	64	Calm	WNW 2	4	4	......	53.03	53.73	24.1	26	95	94	SE 2	S 1	10	10	26.9
14	58.63	57.61	24.5	33.8	94	63	Calm	NW 2	5	3	......	54.38	54.98	24.5	26.5	96	88	S 1	SSW 2	10	10	8.6
15	57.51	57.04	23.9	33.2	94	61	Calm	WNW 2	4	4	......	55.27	55.51	25	27	87	84	SSE 2	S 2	10	10	35.8
16	57.38	56.49	24	32.8	93	62	Calm	NNW 2	6	3	......	56.48	57.31	24	27	93	87	S 1	SE 2	10	10	32
17	57.76	57.39	24.3	32.5	93	65	Calm	NW 1	10	9	......	58.15	57.28	24.3	28.8	97	73	Calm	WSW 1	10	10	29.2
18	57.71	56.99	25	33.7	92	60	Calm	NW 1	10	4	......	57.23	56.32	24	27.5	93	85	Calm	SbyE 1	8	10	.3
19	57.16	56.19	25.2	33.8	88	59	Calm	WNW 2	3	8	......	57.12	56.88	23.8	29.3	97	76	Calm	Calm	7	10	3.8
20	56.31	56.45	24.6	26.7	92	90	Calm	Calm	6	10	11	54.97	48.56	24.5	26.6	96	92	NE 1	NW 5	10	10	110.2
21	56.08	55.10	23.7	32	97	66	Calm	WbyN 1	10	8	2.3	50.55	53.30	25.6	27.3	79	75	SSE 5	SSE 4	10	10	7.6
22	55.66	54.86	23.8	31.5	95	65	Calm	SSW 1	10	10	19	56.47	56.37	25	30.4	87	74	S 2	S 3	10	10	......
23	55.73	54.61	23.5	30.5	96	74	Calm	WNW 1	10	10	9.7	57.94	56.46	25.2	31.4	93	67	SW 2	SW 1	10	6	33
24	54.96	53.68	24.5	30.1	96	73	Calm	W 1	10	10	11.9	55.91	55.21	24.5	25.7	96	93	Calm	WSW 2	10	10	58.7
25	54.31	53.83	24.5	28.5	91	85	Calm	SSW 2	10	10	1	53.53	52.32	24.3	28.3	96	88	SSW 2	SSW 3	10	10	33
26	54.01	53.05	26.6	28.8	78	76	Calm	SSE 2	10	10	......	54.78	55.26	24.5	26.6	87	91	SSE 2	SSE 1	10	10	27.3
27	52.38	51.16	25.2	30.5	93	78	Calm	SW 4	10	10	35.4	56.43	56.58	24.9	27.4	84	84	SE 2	S 1	10	10	3.8
28	52.48	52.57	24.5	30	92	71	sbyw 2	SW 2	10	10	.8	56.38	56.48	24	29.5	87	72	Calm	S 1	10	10	......
29	52.82	52.79	25	29	96	74	Calm	Calm	10	10	22.6	56.46	55.28	24.5	30.1	96	71	Calm	wbys 1	10	10	8.9
30	52.12	51.87	25.4	25.5	90	94	SW 2	SSE 2	10	10	162.8	54.62	53.72	24.5	29	96	81	Calm	WNW 2	10	10	69.9
31	52.40	51.08	25.5	29.4	93	76	SE 2	SSW 3	10	10	18.8	54.13	54.08	23.5	29.5	97	78	SW 1	WSW 1	10	10	.8
Mean	56.39	55.86	24.3	30.9	92.9	69.6	0.4	1.5	7.9	7.9	......	54.43	54.13	24.7	27.7	93	84.1	1.3	1.9	9.8	9.9	......
Total	.....	.....	....	....	....	....	....	....	....	....	416.6	.....	.....	....	....	....	....	....	....	....	....	1,408.5

[a] Station temporarily closed from 8th to 10th.

[b] The amounts of rainfall for the 8th, 40.9 mm., 9th, 5.6 mm., and 10th, 6.4 mm. were involuntarily omitted in the "Monthly Bulletin," page 128: hence the monthly total, page 129, should be 223.4 mm. instead of 170.5 mm.

SAN FERNANDO, LA UNION

[ϕ= 16° 37′ N; λ=120° 19′ E; barometer above sea, 3 meters; gravity correction not applied, —1.65 mm.]

Day.	SEPTEMBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	54.04	53.45	24	31.5	91	69	Calm	SSW 2	10	8	9.1
2..	55.42	56.61	24.1	29.5	94	73	Calm	SW 3	8	10	15.3
3..	57.86	58.57	24.2	31.9	90	65	Calm	SW 2	8	9	......
4..	59.39	59.02	24.5	30	96	71	Calm	WNW 2	9	10	......
5..	58.84	58.50	23.8	30.7	97	69	Calm	NW 2	6	2	......
6..	58.03	57.26	23.4	31	97	69	Calm	NW 2	2	7	49.8
7..	56.36	55.71	24	31.3	97	73	Calm	WNW 2	3	9	57.2
8..	56.45	56.06	22.5	30.5	96	71	Calm	WNW 2	3	4	......
9..	56.91	56.52	24.4	31.8	97	67	Calm	NW 2	6	5	7.1
10..	57.01	55.74	23.5	31.5	96	66	Calm	NW 1	8	7	......
11..	55.51	54.60	24.5	31.5	96	69	Calm	WNW 1	6	7	11.3
12..	54.76	53.22	24	30.8	97	73	Calm	wbyN 1	10	10	......
13..	53.89	53.31	23.5	31.8	94	65	ESE 1	W 1	10	8	6.4
14..	55.36	54.50	24.5	31.3	96	71	Calm	SW 2	6	5	10.7
15..	56.21	55.30	24.4	31.8	92	70	Calm	SW 3	6	6	57.9
16..	56.94	56.35	23.5	31.6	96	66	Calm	WSW 2	6	5	37.6
17..	58.57	58.52	24	30	97	70	Calm	Calm	10	10	......
18..	59.74	59.12	24.4	28.4	95	80	Calm	Calm	10	10	6.1
19..	59.40	58.40	23.5	30	96	71	Calm	WNW 1	10	10	......
20..	58.57	57.82	25	31.5	96	66	Calm	NW 1	10	6	......
21..	58.21	57.55	24.2	31.7	90	68	Calm	W 2	8	6	......
22..	58.71	57.90	23.8	31.8	93	66	Calm	SW 2	6	5	2.5
23..	58.36	58.25	24.8	31.4	97	66	Calm	W 2	10	4	......
24..	58.64	58.37	23.3	31.6	94	62	Calm	W 2	6	3	......
25..	59.25	58.80	23.2	31	94	69	Calm	NW 1	6	3	......
26..	59.71	58.38	24.2	32	94	67	Calm	wbys 1	6	5	......
27..	59.34	57.91	23.6	32.4	95	60	Calm	WNW 1	10	3	13.2
28..	59.02	57.95	24.8	31	93	65	Calm	WNW 1	10	10	.5
29..	59.44	57.75	24.6	32.1	93	66	Calm	NW 1	8	3	......
30..	59.08	57.34	24.5	31.7	92	65	Calm	W 1	6	3	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	57.63	56.96	24	31.2	94.7	68.3	0	1.5	7.4	6.4	......
Total	.....	.....	....	....	....	....	....	....	....	....	284.7

Day.	OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	58.21	57.36	23.4	32.5	97	59	Calm	W 1	6	3	......
2..	57.34	55.85	24	31.8	96	70	Calm	W 1	6	3	......
3..	56.92	55.94	23.5	32.5	96	65	Calm	NW 1	6	4	......
4..	57.33	56.34	23.5	31.9	96	64	Calm	NNW 2	7	5	0.5
5..	57.13	55.85	24.8	30.8	97	69	Calm	N 3	10	6	......
6..	57.77	55.71	26	32.6	90	66	Calm	SW 2	10	5	2.8
7..	58.42	57.56	23.5	29.4	96	71	Calm	NNW 1	10	10	.5
8..	57.39	55.81	23.5	29.3	96	79	Calm	Calm	10	10	......
9..	55.97	54.93	24.8	26.4	93	89	Calm	Calm	10	10	9.2
10..	55.67	54.41	23.8	28	97	82	Calm	SE 2	6	10	2
11..	55.92	56.05	24	27.4	96	84	Calm	SSE 3	9	10	......
12..	58.79	58.01	25	31	85	71	Calm	S 2	10	10	1.3
13..	59.96	58.98	23.2	31.8	97	67	Calm	WSW 1	6	6	......
14..	58.73	56.90	23.5	31.8	96	61	Calm	W 1	6	6	......
15..	56.51	54.77	24.8	29.4	97	78	Calm	SSW 1	10	10	......
16..	56.26	54.76	23.6	32	92	66	Calm	SW 1	10	10	......
17..	57.31	55.87	24.5	31.8	96	66	Calm	W 1	10	10	......
18..	57.63	55.90	23.8	32.1	97	66	Calm	W 1	10	5	.5
19..	57.63	56.24	24.4	31.6	95	70	Calm	W 1	9	8	......
20..	58.14	57.14	25	31.1	92	67	Calm	S 1	10	5	51.6
21..	59.58	58.51	23.8	30.2	97	66	Calm	W 1	8	10	.5
22..	59.76	58.55	24.4	31.2	95	69	Calm	NW 1	10	5	......
23..	59.66	59.08	23.4	31.3	97	66	Calm	W 1	6	4	......
24..	59.67	58.35	23	31	96	68	Calm	wbys 1	8	6	......
25..	59.66	58.20	23.8	31.4	97	72	Calm	W 1	10	9	......
26..	59.91	58.27	23	32.2	97	65	Calm	wbys 1	8	5	......
27..	60.11	59.30	23.2	28.5	97	77	Calm	E 1	9	10	3.3
28..	59.52	58.34	22.6	31.3	97	66	Calm	W 1	10	5	......
29..	59.26	58.07	23.5	29.3	96	77	Calm	W 1	8	6	.8
30..	59.47	57.87	22.8	32.2	97	68	Calm	WNW 1	9	4	......
31..	58.88	57.35	23.7	31.4	97	66	Calm	NW 1	7	9	......
Mean	58.21	56.98	23.9	30.8	95.5	70	0	1.2	8.5	7.1	......
Total	.....	.....	....	....	....	....	....	....	....	....	73

Day.	NOVEMBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	58.92	58.69	23.4	30.4	97	72	Calm	WSW 1	8	10	0.8
2..	59.89	59.04	23	29	97	78	Calm	Calm	10	10	......
3..	59.77	58.29	22.5	32	96	70	Calm	NW 1	6	5	......
4..	59.34	58.06	22.5	31.8	96	64	Calm	WSW 1	6	4	......
5..	58.90	57.41	22	31.9	96	64	Calm	W 1	6	3	......
6..	58.37	57.03	21.5	32.1	95	57	Calm	W 1	5	3	......
7..	58.73	57.97	22.3	31.1	94	70	Calm	NW 2	4	4	......
8..	59.16	57.65	23.5	31.8	96	70	Calm	WSW 2	5	4	.3
9..	58.09	56.32	22.5	32	96	59	Calm	WSW 1	8	2	......
10..	57.60	55.92	23	31.6	97	65	Calm	NW 1	6	3	......
11..	56.94	55.83	22.8	32.2	95	65	Calm	NW 1	5	4	......
12..	57.40	56.67	22.8	31.9	97	61	Calm	NW 1	8	4	......
13..	58.04	57.42	22.8	31.1	97	71	Calm	NW 1	10	10	......
14..	59.44	58.17	22	31.7	96	69	Calm	NW 1	10	6	......
15..	59.06	57.05	21.5	31	95	63	Calm	W 1	10	8	......
16..	58.18	56.72	21.5	30.4	95	68	Calm	WNW 2	8	6	......
17..	58.21	56.80	23	30.6	95	67	Calm	NE 2	10	8	......
18..	57.64	55.77	24.4	31	93	69	NE 1	NW 1	10	10	......
19..	57.48	56.80	24.5	30.5	94	71	Calm	WSW 1	10	9	......
20..	57.98	56.87	22.8	31.3	97	64	Calm	WNW 1	10	4	......
21..	57.47	56.21	22.5	30	96	67	Calm	NW 3	5	4	3.3
22..	58.22	57.26	23.8	30	95	66	Calm	W 1	10	4	1.8
23..	59.16	58.28	23.1	28.8	94	69	Calm	Calm	10	10	4.6
24..	59.79	59.19	23.1	27	96	72	Calm	Calm	10	10	1
25..	60.01	59.26	20	29	96	59	Calm	NW 1	6	4	......
26..	60.43	59.04	19.4	29.4	96	71	Calm	W 1	8	4	......
27..	59.28	58.37	20.8	29.5	96	68	Calm	SW 1	6	8	.3
28..	59.13	59.36	22.8	27.7	97	82	Calm	SSW 1	10	10	......
29..	60.16	59.03	21.5	29.5	95	71	Calm	NNW 1	6	10	......
30..	60.08	59.03	21.5	29.3	95	70	Calm	NW 1	6	10	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.76	57.65	22.4	30.5	95.7	67.7	0	1.1	7.7	6.4	......
Total	.....	.....	....	....	....	....	....	....	....	....	12.1

Day.	DECEMBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.83	58.28	24	30.7	96	64	Calm	W 1	10	8	......
2..	59.91	58.61	22.3	31	96	65	Calm	W 2	6	5	......
3..	59.30	58.13	21	30.9	96	66	E 1	W 2	6	5	......
4..	58.23	55.73	21	30.1	96	68	E 1	WSW 1	7	6	......
5..	56.31	55.36	24	29.5	95	72	Calm	S 1	10	10	......
6..	56.83	56.06	25	30.4	93	73	Calm	WNW 1	10	9	3.6
7..	57.58	56.86	23.5	30.6	96	72	Calm	NW 2	9	6	......
8..	58.31	57.72	22.4	30.8	96	67	Calm	WNW 1	9	6	1
9..	58.41	58.18	22.6	30	95	68	Calm	Calm	8	10	......
10..	60.11	58.88	21.8	30.6	96	65	Calm	W 2	6	4	......
11..	60.76	59.46	21.4	30.4	96	69	Calm	WNW 2	6	6	......
12..	59.61	58.82	21	30.5	96	68	Calm	W 1	9	3	......
13..	58.83	56.91	22.3	30.5	96	63	Calm	NW 2	8	2	......
14..	58.07	56.46	22	29.5	95	68	E 1	W 2	7	3	......
15..	58.52	57.85	23	29	95	65	Calm	NNW 4	10	4	......
16..	59.02	58.54	20.6	30	96	61	Calm	W 2	6	4	......
17..	60.50	59.67	21.2	30.3	96	67	Calm	W 1	8	4	......
18..	61.26	60.19	22.3	30.4	94	64	Calm	NW 2	9	4	......
19..	61.67	60.49	22	29.8	95	62	Calm	NW 1	8	6	......
20..	61.75	61.02	21.6	28.8	95	65	Calm	NW 2	9	9	......
21..	61.75	61.41	21.6	29.4	95	68	Calm	NW 2	8	8	......
22..	62	61.02	22	28.5	96	70	Calm	NW 1	9	10	......
23..	61.61	60.15	21.9	30	96	65	Calm	W 1	9	8	......
24..	60.13	58.78	21.9	29.5	96	64	Calm	NNW 3	8	6	......
25..	59.34	58.72	22.7	30.6	96	64	Calm	WNW 3	8	6	......
26..	60.05	58.71	21.4	30.5	96	62	Calm	NW 1	7	3	......
27..	60.25	59.36	21.8	30	96	70	Calm	NNW 3	6	4	......
28..	60.88	59.62	23	28.4	83	66	NE 2	N 5	9	4	......
29..	61.11	60.24	21.5	29.6	91	59	Calm	NW 3	10	6	......
30..	61.91	61.04	22.8	28.4	84	68	Calm	WSW 3	10	6	......
31..	62.63	61.43	20.5	28.3	69	55	SSW 2	WNW 2	9	2	......
Mean	59.89	58.83	22.1	29.9	93.8	65.9	0.2	1.9	8.2	5.7	......
Total	.....	.....	....	....	....	....	....	....	....	....	4.6

ECHAGÜE

[ϕ=16° 42′ N; λ=121° 39′ E; barometer above sea, 56.1 meters; gravity correction not applied, −1.64 mm.]

Day.	JANUARY.											FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	62.77	60.69	20.5	29.2	97	60	SW 1	Calm	8	7	......	62.29	60.31	16.3	31.5	95	47	Calm	SSE 1	0	4	......
2..	63.10	61.10	19.2	28.6	98	73	Calm	SE 1	10	7	3.3	62.93	61.04	17.3	31.3	95	51	S 1	S 1	10	2	......
3..	63.22	61.64	21.6	26.7	95	77	NE 1	E 1	10	9	2.1	64.02	61.77	20.7	30.3	88	59	S 1	SE 1	10	8	......
4..	63.79	62.19	21.5	27.3	95	75	NE 1	E 2	10	9	5.1	64.55	62.97	18.2	29.7	91	59	S 1	SE 1	10	7	0.3
5..	64.59	63.79	20.8	23.3	97	95	NNE 2	NE 2	10	10	13.3	67.85	65.89	18.8	24.1	96	68	Calm	N 2	10	10	2.8
6..	68.28	66.14	18.3	23.6	97	77	NNE 1	NNE 1	10	10	......	68.23	65.70	17.9	25.3	96	70	Calm	SE 1	10	8	1.5
7..	65.98	63.57	19.5	24.7	95	75	S 1	NE 1	10	10	4.3	66.71	64.19	19.5	27.7	95	65	S 1	ESE 1	10	9	......
8..	64.38	61.81	20.3	26.6	97	79	Calm	SE 1	10	10	......	64.99	62.06	18	32.1	98	49	Calm	SE 1	10	6	......
9..	61.47	59.54	20.8	28.3	98	71	SSW 1	SSE 1	10	6	......	64.45	62.21	18.6	31.5	96	48	Calm	SSE 1	10	3	......
10..	60.12	57.96	20	31.7	95	54	S 1	SE 1	10	1	......	63.30	61.26	18.3	30.7	95	42	S 1	NE 2	10	5	......
11..	59.52	57.89	18.3	30.8	94	54	S 1	S 1	10	1	......	64.33	61.14	17.5	31.7	95	34	S 1	SE 1	10	2	......
12..	59.83	58.31	19.6	29.3	92	63	S 1	ENE 1	10	5	......	63.49	60.62	17.5	31.7	93	44	Calm	SE 1	0	1	......
13..	60.53	59.65	20.2	28.5	95	55	Calm	E 1	10	2	......	62.08	59.95	18.2	33.3	96	47	Calm	SSE 1	0	0	......
14..	62.80	62.16	20	26.3	95	67	Calm	SE 1	10	10	.1	62.78	61.28	22.5	31.2	87	55	S 1	S 1	10	8	......
15..	63.11	61.11	21.5	30.1	95	63	Calm	ESE 1	10	8	......	63.76	61.37	21.1	32.3	95	46	SSE 1	S 1	10	5	......
16..	62.90	60.97	19.5	30.6	97	53	Calm	SW 1	10	3	......	62.40	59.93	17.5	31.3	95	51	S 1	SE 1	2	4	......
17..	63.90	63.19	19.3	29.8	94	58	Calm	SSE 1	10	6	......	61.46	58.52	22	30	85	48	Calm	E 1	10	3	......
18..	64.48	63.08	18.5	29.7	95	59	SSW 1	S 1	9	1	......	60.97	58.61	20.8	29.8	90	49	Calm	E 1	10	7	......
19..	65.02	63.96	18.5	25.2	95	76	S 1	N 1	3	10	1.6	61.89	59.12	19.5	29.8	92	52	Calm	SE 1	2	5	......
20..	65.47	63.53	19.4	24.2	96	83	N 1	NE 1	10	10	2.5	61.72	58.25	21.5	31.5	91	51	S 1	S 1	10	8	......
21..	65.40	62.96	19.5	28	95	60	Calm	E 1	10	4	......	59.55	56.68	18	34.2	95	42	Calm	E 1	8	3	......
22..	64.18	62.34	18.7	28.7	97	51	Calm	Calm	10	4	......	59.29	57.05	22.7	33.1	90	47	Calm	SSE 1	10	3	......
23..	63.55	61.44	16.7	29.7	98	48	S 1	S 1	10	2	......	59.58	57.48	21.5	34.3	94	44	SSW 1	S 1	2	3	......
24..	62.71	60.09	15.6	30.2	91	48	Calm	S 1	0	0	......	60.81	58.05	21.8	33.3	91	44	Calm	SE 1	10	2	......
25..	62.54	60.61	17.2	29.8	95	50	S 1	E 1	2	0	......	61.69	60.44	21.2	25.6	94	66	Calm	NE 2	10	10	......
26..	63.37	62.06	15.8	27.8	94	55	Calm	NE 1	9	8	......	62.98	60.78	20	29.3	86	48	Calm	SW 1	10	5	......
27..	63.70	61.56	16.3	29.5	97	47	Calm	NE 1	3	3	......	62.28	59.90	20	31.2	91	40	Calm	ESE 1	10	7	......
28..	63.12	61.21	19.8	28.8	90	54	Calm	NE 1	10	6	......	61.93	59.93	17	31.1	95	41	Calm	SSE 1	10	10	......
29..	62.62	60.72	19.8	30.8	94	59	SSE 1	S 1	10	6	......	.....	.....	.....	.....	.....	.....	....	....	....	....	......
30..	61.85	60.49	17.8	30.5	95	43	ESE 1	S 1	0	3	......	.....	.....	.....	.....	.....	.....	....	....	....	....	......
31..	61.93	59.72	16.7	31	95	41	S 1	ESE 1	2	1	......	.....	.....	.....	.....	.....	.....	....	....	....	....	......
Mean	63.23	61.47	19.1	28.4	95.3	62	0.6	1	8.3	5.5	......	62.94	60.59	19.4	30.7	92.9	50.2	0.4	1.1	8	5.3	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	32.3	.....	.....	.....	.....	.....	.....	....	....	....	....	4.6

Day.	MARCH.											APRIL.										
	mm	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.28	59.21	19.2	30.2	90	50	Calm	SSE 1	10	6	......	59.64	57.22	23.9	32.9	97	65	Calm	E 1	10	7	17.3
2..	60.81	59.91	18	30.5	92	44	Calm	WSW 1	10	6	......	60.62	58.66	24	32.4	98	67	Calm	Calm	10	10	13.7
3..	62.50	61.34	17	29	95	58	Calm	ESE 1	10	10	......	60.31	56.67	23.4	33.9	96	63	Calm	ESE 1	10	7	6.1
4..	62.70	61.18	18.1	29.8	95	58	S 1	SE 1	6	10	......	59.25	56.77	23	33.4	96	67	Calm	WSW 1	10	6	1.5
5..	62.05	60.05	19.3	33.3	95	39	SSW 1	SSE 1	8	5	......	60.10	56.92	23.5	34.8	97	62	Calm	E 1	10	5	108
6..	61.83	59.54	17.3	33.8	95	50	SSW 1	SE 1	10	0	......	60.53	57.90	23	32.8	98	67	Calm	SE 1	10	4	27.4
7..	61.84	59.84	17.4	34	92	41	Calm	ESE 1	3	5	......	60.65	57.23	23.2	33.2	97	63	S 1	SE 1	7	6	......
8..	62.36	59.74	16.8	32.4	96	44	Calm	SE 1	3	3	......	59.29	55.79	23.5	34.8	90	60	SSW 1	E 2	10	4	1
9..	61.77	59.65	18.3	33	92	50	S 1	E 1	1	8	......	58.33	55.61	23.7	35	91	60	Calm	ESE 1	3	8	......
10..	62.01	59.55	21.7	32.5	92	43	Calm	E 2	9	8	......	57.88	55.37	23.4	34.4	95	67	S 1	S 1	7	9	......
11..	62.49	59.50	21.2	33.6	89	42	Calm	E 2	6	8	......	58.21	56.42	24.8	27.9	97	91	SbyE 1	E 1	10	10	35.3
12..	62.16	59.55	20.6	34.4	90	40	Calm	SE 1	5	7	......	58.13	56.06	23.5	30.5	98	85	SE 1	E 1	8	8	......
13..	62.13	59.44	22.2	34.6	81	38	S 1	E 1	10	3	......	58.24	55.43	23.2	33.4	90	66	Calm	S 2	0	7	......
14..	61.46	59.48	21	34.2	86	33	Calm	SW 1	10	8	......	59.20	56.72	22.5	34.4	89	59	SSW 1	SE 1	5	4	......
15..	61.32	59.24	20	34.6	90	38	Calm	N 1	0	7	......	59.02	56.63	23.4	35	95	63	Calm	E 1	3	4	......
16..	62.43	59.48	23.5	34.5	86	34	Calm	SE 1	10	6	......	59.81	57.17	24.8	34.3	90	64	S 1	SE 1	2	4	......
17..	61.72	59.50	20.5	34.6	90	31	S 1	ESE 1	2	3	......	58.88	56.87	21.2	34.5	88	62	S 1	SW 1	0	3	......
18..	62.25	59.13	18	35.5	89	33	Calm	E 2	0	4	......	58.83	56.36	22.5	35	89	67	S 1	SW 1	9	8	......
19..	62.52	60.14	19	35.3	91	35	Calm	E 1	2	7	......	59.92	58.12	23	34.6	87	65	S 1	E 1	3	3	......
20..	62.49	59.85	21.5	32	91	52	Calm	E 2	5	8	......	61.08	58.74	20.1	34.9	90	65	S 1	NW 1	0	3	......
21..	60.35	57.67	20.5	36.3	91	38	Calm	S 2	2	7	......	61.29	58.03	20.2	35.4	91	63	S 1	S 1	0	3	......
22..	59.93	56.66	22	36.3	86	36	SSE 1	SE 2	0	6	......	60.23	56.86	20.3	35.5	91	63	S 1	E 1	0	3	......
23..	59.85	56.84	24.5	37	82	36	SE 1	SE 1	10	7	......	60.87	58.12	21.4	35.6	92	59	SW 1	E 1	2	5	......
24..	59.71	57.17	22.5	36.3	83	39	Calm	E 2	6	8	......	61.14	57.99	22.4	34.5	92	66	S 1	SE 1	2	4	......
25..	59.66	57.29	25.4	36.6	84	43	S 1	ESE 1	10	8	......	60.68	57.22	21.9	35.7	90	63	SSW 1	SW 1	0	4	......
26..	61.87	58.54	23.7	35.4	82	48	ENE 1	wNw 1	5	7	......	59.45	56.63	21.8	35.2	90	65	S 1	NW 1	0	4	......
27..	60.98	58.15	19.5	33	91	61	S 1	E 1	2	8	......	58.95	55.13	24	35.6	94	59	S 1	E 1	5	5	......
28..	60.62	57.73	20.5	35.4	94	53	Calm	Calm	2	7	......	58.08	55.04	23	35.7	90	59	Calm	SE 1	3	4	......
29..	60.17	58.04	21.6	35.6	95	54	S 1	S 1	0	9	......	58.20	55.87	25.4	36.9	90	57	S 1	ENE 1	9	5	......
30..	59.90	56.68	24.5	34.4	84	56	Calm	SE 2	10	8	......	59.32	56.50	22.5	36.9	95	51	Calm	SSW 1	3	3	......
31..	59.13	56.25	23.5	35.5	95	50	Calm	ENE 1	10	9	1.3	.....	.....	.....	.....	.....	.....	....	....	....	....	......
Mean	61.36	58.91	20.6	34	89.8	44.1	0.4	1.2	5.7	6.6	......	59.54	56.80	22.9	34.3	92.8	64.4	0.6	1	5	5.3	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	1.3	.....	.....	.....	.....	.....	.....	....	....	....	....	210.3

[a] The barometric readings of this station are too low by about 0.50 mm.

ECHAGÜE

[ϕ=16° 42′ N; λ=121° 39′ E; barometer above sea, 56.1 meters; gravity correction not applied, —1.64 mm.]

Day.	MAY.											JUNE.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	59.25	56.52	23.1	36	90	53	S 1	E 1	5	3	......	58.80	56.44	25	33.6	93	66	SSE 1	ESE 1	6	6	......
2..	59.77	56.85	23	35.9	84	53	SSW 1	ENE 1	9	4	3.8	57.91	54.98	24	34.2	95	62	SSE 1	SE 1	3	5	......
3..	60	57.58	24.3	35.6	93	56	Calm	ESE 1	6	9	......	57.02	54.43	25.1	34.2	95	64	S 1	ESE 1	7	5	50.8
4..	60.19	58.19	23.6	33.4	93	62	Calm	ENE 2	7	7	......	57.12	54.62	24.4	33.5	93	68	Calm	Calm	3	3	......
5..	61.04	58.62	22.9	34.9	92	61	S 1	E 1	4	9	......	57.79	55.44	25.2	34.2	90	69	S 1	E 1	2	3	......
6..	60.72	58.33	23.2	35.9	94	58	S 1	SE 1	7	7	......	58.76	55.94	25	33.9	94	64	SSW 1	W 1	4	5	......
7..	60.01	56.66	22.6	36.5	94	56	S 1	SE 1	2	6	......	59.34	56.28	25.6	34.5	91	66	SSE 1	E 1	7	4	5.7
8..	58.66	56.21	24.6	37.2	86	53	S 1	W 1	3	8	......	58.36	55.71	24.6	34.2	95	70	SSE 1	E 1	8	9	......
9..	58.98	56.32	24	36.6	91	57	S 1	E 1	1	7	......	57.21	53.99	25.2	29.8	97	84	Calm	E 1	3	9	......
10..	58.18	55.25	23.5	35.6	92	62	SSW 1	SE 1	5	9	......	54.06	52.49	25.4	32	97	76	Calm	SSE 1	10	10	5.6
11..	57.30	54.31	24.5	36	91	58	S 1	SE 1	4	9	8.9	53.42	51.97	24.4	27.6	97	91	Calm	SE 1	10	10	6.9
12..	58	55.08	24	36	96	57	Calm	SSE 1	10	8	......	53.57	51.78	24.4	34	96	70	SW 1	S 2	9	7	......
13..	58.14	55.41	25.4	33.9	93	67	Calm	SSE 1	5	6	......	54.46	52.44	24.6	34.8	95	68	SW 1	S 1	2	5	......
14..	57.52	54.25	24.1	36	95	58	Calm	S 1	9	7	5.6	54.59	52.89	25.5	34.8	92	66	S 1	SE 2	2	6	......
15..	56.52	54.46	23.7	35.2	94	66	Calm	ENE 1	3	5	52.3	55.06	52.91	25.3	35.5	93	64	S 1	SE 2	7	5	......
16..	56.56	53.98	23.2	34	97	72	Calm	E 1	9	7	35.1	55.85	54.56	23.9	28.8	96	80	Calm	S 1	4	9	......
17..	56.43	53.57	23	33.5	99	75	Calm	NE 1	5	7	9.1	56.36	54.42	23.5	35.2	94	66	Calm	ENE 1	2	8	3.6
18..	55.94	52.76	23.6	35	97	67	S 1	SE 1	5	8	.3	55.89	53.44	23.5	35	94	63	Calm	E 1	2	3	4.1
19..	56.43	54.54	23.2	32.5	97	79	Calm	NE 1	9	10	1.5	56.38	53.45	23	33.6	98	72	Calm	ENE 1	9	7	......
20..	56.93	54.76	24.5	34	97	73	Calm	S 1	10	9	......	56	54.29	25.5	31.7	95	78	S 1	E 1	10	10	6.6
21..	57.92	55.73	25.5	33.6	93	74	Calm	Calm	8	6	30.5	56.71	54.34	24.4	34.4	97	70	Calm	Calm	2	5	24.1
22..	58.38	56.09	24	32.5	97	78	Calm	E 1	9	9	67.1	57.32	54.76	25.2	34.2	95	71	S 1	N 1	3	5	18
23..	58.33	55.86	23.3	33.5	97	74	Calm	Calm	10	7	......	57.33	55.11	22.8	32.5	98	73	S 1	SE 1	10	6	2.5
24..	57.80	55.04	24	34.4	97	70	S 1	SE 1	5	7	8.4	56.65	54.65	23.9	32.2	96	74	Calm	E 1	7	10	1.5
25..	58.04	55.76	24.5	32.5	96	78	Calm	WNW 1	10	7	32.8	56.17	53.13	24.6	33.6	97	73	Calm	SE 1	3	7	1
26..	57.63	54.57	23.8	33.9	97	74	SSE 1	SE 1	7	6	.8	54.06	52.28	25	32.4	97	76	SW 1	SE 1	10	10	8.8
27..	56.72	53.86	24.2	32.5	97	78	S 1	SE 1	6	7	42.7	54.88	53.34	24.8	33.4	97	66	S 1	SE 2	6	5	......
28..	56.02	54.21	23.9	31.4	98	86	SE 1	S 1	10	9	2.5	57.71	56.21	24.3	34.5	95	65	S 1	S 2	3	3	......
29..	56.58	54.74	25	33.1	96	77	Calm	SE 1	9	7	4.6	59.30	56.26	24.6	34	92	65	Calm	NNE 1	2	4	......
30..	57.72	56.36	24.5	31.6	97	81	Calm	E 1	10	10	.5	57.61	54.55	24.5	33.2	96	70	S 1	E 1	9	10	......
31..	58.71	56.79	24	29.6	95	88	SSE 1	E 1	7	9	......	.....	.....	....	....	....	....	....	....	....	....	......
Mean	58.08	55.57	23.9	34.3	94.4	67.8	0.5	1	6.7	7.4	......	56.52	54.24	24.6	33.3	95	70.3	0.6	1.1	5.5	6.5	......
Total	.....	.....	....	....	....	....	....	....	....	....	306.5	.....	.....	....	....	....	....	....	....	....	....	139.2
	JULY.											AUGUST.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	54.61	51.46	25.1	31	95	76	Calm	SE 1	10	10	17.2	50.04	49.63	26.5	34.6	86	69	SE 1	SSW 2	4	7	......
2..	49.29	50.52	23.8	22	97	96	Calm	SSE 2	10	10	42.3	52.08	51.26	24.6	33.4	95	76	S 1	ESE 1	7	10	......
3..	54.36	55.39	23	30.4	95	74	SSW 2	S 2	10	10	......	53.75	51.53	24	32.4	96	79	S 1	ESE 1	6	10	29
4..	58.18	57.12	23.5	30.6	92	76	Calm	SE 2	10	10	......	54.03	52.89	24.5	27.4	97	92	Calm	E 1	10	10	1.9
5..	59.16	57.55	23.7	33.4	96	71	Calm	ESE 1	8	9	......	54.02	52.73	24.5	27.2	97	89	Calm	E 1	10	10	6.4
6..	59.11	56.99	22.2	31.8	96	74	S 1	E 1	3	9	17.5	51.12	50.16	24.6	27	99	89	SSE 1	S 1	10	10	1.8
7..	59.71	58.40	23.2	31	95	76	Calm	E 1	10	8	1.3	46.67	46.28	24.4	28.1	92	83	NW 1	S 1	10	10	1.4
8..	60.20	58.45	23.1	32.5	96	73	S 1	WSW 1	2	9	......	47.04	47.98	26	28.2	84	79	SSW 1	ENE 1	10	10	.8
9..	59.38	56.80	24	33.4	92	69	SSE 1	E 1	3	5	......	49.58	48.84	23.6	33	99	77	Calm	SW 1	8	10	.5
10..	57.67	55.57	22.8	33.6	93	73	SSW 1	ENE 1	2	6	......	51.43	50.35	24.6	30.8	98	81	SSE 1	Calm	10	10	......
11..	57.63	55.69	22.1	34.4	96	69	Calm	E 1	1	9	......	50.53	49.02	25.5	28.8	88	90	S 1	S 1	10	10	1.8
12..	59.16	56.83	24	34.4	93	69	S 1	S 1	10	4	6.4	49.45	48.70	23.6	31.5	98	84	S 1	Calm	8	10	......
13..	59.24	56.64	24.5	34	95	70	Calm	WSW 1	10	3	......	49.93	49.63	24	33.5	96	73	Calm	S 1	9	9	.5
14..	58.84	56.10	26	34	95	71	SSE 1	W 1	10	5	......	52.65	51.57	23.8	33.5	97	74	Calm	SW 1	7	10	......
15..	57.32	55.18	24.5	34.5	96	69	Calm	ENE 1	3	4	......	53.44	52.08	24.6	33	95	77	Calm	SSW 2	10	6	......
16..	57.12	54.87	25.1	34.5	96	68	Calm	ESE 1	3	6	......	54.58	54.27	24.3	32.8	96	77	SE 1	SSW 1	9	10	......
17..	57.39	55.44	24.5	34.2	94	70	Calm	ENE 1	7	7	......	56.63	55.43	24.2	33	95	70	Calm	SSE 1	10	6	24.6
18..	57.96	55.48	24.5	34.2	92	66	S 1	N 1	5	5	......	56.88	54.04	23.4	34.2	97	69	Calm	E 1	6	7	7.7
19..	57.22	55.46	24.2	34.8	94	66	S 1	SE 1	9	10	......	57.52	55.50	22.1	30.8	99	80	Calm	E 1	10	8	7.4
20..	56.71	56.76	24	26	96	94	Calm	Calm	8	10	18.3	51.13	37.37	24.4	26.2	93	87	NNW 2	NNW 7	10	10	89.4
21..	56.91	54.90	23.5	30.5	97	80	Calm	NE 1	10	10	5.6	52.53	53.83	24.2	29	95	81	Calm	SSE 1	10	10	......
22..	56.03	54.39	23.5	31	98	81	Calm	E 1	7	8	10.2	56.73	55.03	23.1	33.2	97	74	W 1	WSW 1	10	6	40.6
23..	56.18	54.61	23.6	31.2	98	80	S 1	E 1	10	7	14.5	56.96	54.30	23.6	32.5	99	78	Calm	Calm	6	5	2.8
24..	55.18	53.49	24	25.9	97	96	Calm	SSE 1	10	10	14.5	54.11	50.64	23.5	33.3	96	74	E 1	ENE 1	10	5	......
25..	55.58	53.78	24.2	31.5	97	79	S 1	SE 1	10	10	7.6	48.98	48.83	26.4	32.2	78	77	Calm	SW 2	10	10	......
26..	55.11	52.65	24.2	32	97	78	S 1	ESE 1	10	10	3.3	52.64	53.58	24	31.6	93	77	Calm	SW 2	6	9	.3
27..	52.93	50.34	23.5	33.1	97	74	S 1	ESE 1	10	6	41.2	55.86	55.17	24.5	29.6	94	81	Calm	SSE 1	10	10	1.3
28..	51.90	51.57	24.9	29.6	97	84	SE 1	Calm	10	10	22.6	56.37	55.07	23.6	32.5	99	72	WSW 1	NNW 1	10	7	.3
29..	52.05	51.29	23.5	28	97	88	ESE 1	E 1	10	10	.6	56.23	53.82	23.6	30.6	98	77	Calm	NNW 1	10	9	.5
30..	50.90	49.91	24.6	27.6	99	91	Calm	SSE 1	10	10	18.5	52.63	50.42	23.9	30	97	81	Calm	WNW 1	10	10	3.9
31..	49.94	48.27	24.1	33.2	99	76	Calm	SW 2	8	5	......	50.85	50.36	23.6	28.6	99	79	Calm	NE 1	10	10	.6
Mean	56.22	54.58	23.9	31.6	95.7	76.7	0.5	1.1	7.7	7.9	......	52.79	51.30	24.2	31	94.9	78.9	0.5	1.2	8.9	8.8	......
Total	.....	.....	....	....	....	....	....	....	....	....	241.6	.....	.....	....	....	....	....	....	....	....	....	223.5

ECHAGÜE

[ϕ=16° 42′ N; λ=121° 39′ E; barometer above sea, 56.1 meters gravity correction not applied, −1.64 mm.]

Day.	SEPTEMBER.											OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	51.52	50.29	20.6	33.5	99	71	Calm	SW 1	10	6	......	58.93	56.62	22.4	31.8	96	77	Calm	E 1	8	9	......
2..	54.03	53.68	24.9	33.1	91	74	WSW 1	S 1	5	7	......	57.50	54.95	25	33.2	95	69	Calm	ENE 1	10	6	......
3..	57.61	56.47	23.2	33.8	97	71	Calm	E 1	5	4	......	57.11	54.88	23.5	32.1	97	75	SSE 1	SE 1	6	7	......
4..	59.11	57.19	23.1	33.2	96	72	S 1	WNW 1	7	6	59.7	57.42	55.08	24.5	32.1	96	61	SSE 1	E 1	10	5	......
5..	59.40	56.67	22.6	31.9	98	77	Calm	E 1	3	4	......	57.39	54.34	25	33.5	93	57	S 1	E 1	10	4	0.8
6..	57.94	55.60	24.1	32.8	96	75	S 1	ENE 1	4	7	......	57.71	55.20	24.6	33.8	95	57	Calm	SSE 1	8	6	......
7..	56.31	54.40	25	31.4	97	80	Calm	SE 1	8	8	1	58.78	57.24	23.8	28.7	94	80	Calm	SW 1	7	9	7.9
8..	56.17	55.01	23.8	33.4	97	72	S 1	NNE 1	9	5	......	58.11	57.07	23.5	24.3	96	90	Calm	SW 1	10	10	38.1
9..	56.96	54.87	25	34.3	96	67	S 1	ENE 1	7	4	......	56.60	55.56	23	25	97	95	Calm	ENE 1	10	10	10.6
10..	57.25	54.88	23.6	32.5	97	70	Calm	E 1	7	7	......	56.50	54.83	23.8	29.5	97	78	Calm	ENE 1	10	10	1.1
11..	55.81	54.22	24.2	31	95	77	SSE 1	ENE 1	8	9	1.3	57.33	56.59	23	27.8	96	86	Calm	SE 1	10	10	1
12..	54.96	52.67	22.8	30.5	97	79	Calm	ESE 1	10	9	10.2	58.94	57.59	23.4	32	96	66	SSE 1	SE 1	7	7	......
13..	53.75	52.55	22.8	30.5	97	78	SbyE 1	E 1	10	10	......	60.30	58.27	22.2	32.5	95	60	SSE 1	NE 1	3	6	......
14..	55.76	53.68	23.5	31.9	97	74	SSE 1	ENE 1	10	7	36.1	59.64	57.02	22.8	31.5	97	63	Calm	NNE 1	7	7	13.2
15..	57.03	55.77	22.6	27.8	98	84	Calm	SE 1	10	10	3	58.09	56.33	23.2	25.5	95	92	Calm	SSW 1	10	10	7.6
16..	58.32	56.37	21.6	31.1	98	75	NNE 1	SSW 1	10	7	......	57.42	56.10	23.5	25.8	97	89	Calm	NNE 1	10	10	6.1
17..	59.65	58.22	23.2	29.4	95	79	Calm	E 1	8	10	8.1	57.39	55.17	22.2	31	98	71	Calm	E 1	9	7	3.3
18..	61.17	58.99	22.9	28.8	97	83	Calm	ENE 1	10	10	3.3	57.20	54.74	23.4	31.5	97	68	S 1	E 1	10	7	1.8
19..	60.67	58.62	22.2	30	98	81	Calm	E 1	5	10	......	57.12	55.04	24.8	31.4	97	68	Calm	WNW 1	9	6	4.8
20..	59.51	57.28	23.5	29.8	96	80	Calm	SW 1	8	9	7.2	58.53	57.60	24.1	28	96	78	Calm	NNE 1	10	10	2.5
21..	59.76	57.31	21.9	30.5	97	80	SSW 1	SW 1	10	7	5.3	60.63	59.37	22	26.6	96	77	Calm	ENE 1	7	10	1.5
22..	60.43	58.24	21	29	98	81	WNW 1	ESE 1	10	9	2.1	60.74	58.42	22.9	31	96	65	Calm	SSW 1	10	6	......
23..	59.42	57.68	23	31.6	96	75	Calm	ESE 1	9	3	......	59.92	58.64	23.4	31	95	67	Calm	Nbyw 1	10	7	......
24..	59.48	57.75	22.5	31.8	96	74	S 1	SSW 1	2	4	......	60.28	58.52	22.8	26.8	95	82	E 1	ENE 1	7	10	2.8
25..	59.91	58.77	20.6	30	96	82	S 1	SE 1	3	10	......	60.41	58.34	22.5	27	97	83	Calm	ESE 1	10	9	19.1
26..	60.36	57.92	23.6	30.5	98	83	Calm	ESE 1	10	8	4.6	60.26	57.86	23.6	31.5	97	66	Calm	ESE 1	9	7	16.5
27..	59.61	57.35	22.5	32	97	74	S 1	SE 1	4	6	.5	60.37	58.42	23	30.9	96	66	Calm	Calm	10	7	6.6
28..	59.28	56.53	20.7	33.4	97	73	S 1	NE 1	4	5	......	60.11	57.55	23	31.6	96	66	SSE 1	Calm	10	6	8.1
29..	59.16	56.25	22	34.5	96	67	SSE 1	Calm	3	3	......	60.21	57.88	22.6	31	97	71	Calm	SSE 1	4	7	23.4
30..	59.16	56.34	23.5	33.4	96	68	Calm	WSW 1	5	4	......	60.57	58.19	23.5	29.8	97	73	Calm	N 1	10	6	6.6
31..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	60.03	57.75	24	30.8	96	71	Calm	ENE 1	9	7	1.8
Mean	57.98	56.05	22.9	31.6	96.6	75.9	0.5	1	7.1	6.9	......	58.76	56.81	23.4	30	96.1	73.1	0.3	0.9	8.7	7.7	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	142.4	.....	.....	.....	.....	.....	.....	....	....	....	....	185.2

Day.	NOVEMBER.											DECEMBER.										
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	60.12	58.74	22.6	27.9	98	81	ESE 1	Calm	6	10	0.4	61.92	59.57	21.8	26.2	96	86	Calm	NNE 1	10	10	11.7
2..	60.59	58.81	22.6	30.4	98	70	SE 1	Calm	9	6	.1	61.68	59.80	22.2	28.5	97	74	NNE 1	NE 1	10	8	5.3
3..	60.59	58.89	22	30.2	96	71	S 1	ENE 1	10	5	.5	60.64	58.51	22.2	27.9	97	77	Calm	NNE 1	10	7	6.8
4..	60.56	58.23	22.5	31.6	96	62	Calm	ESE 1	9	4	......	59.19	56.57	22.1	28	96	77	NW 1	ENE 1	9	7	11.5
5..	59.30	57.24	23.5	30.9	96	67	Calm	ENE 1	8	5	......	57.93	56.47	22.9	25.2	97	93	Calm	ENE 1	10	10	16.5
6..	58.76	57.34	20.4	28.2	92	71	S 1	ENE 1	3	10	.8	57.28	55.78	23	28.1	97	81	Calm	SW 1	10	8	1.1
7..	59.78	58.24	21.5	29.8	95	71	S 1	SE 1	7	9	2.5	57.85	56.27	22	30.5	96	72	Calm	ESE 1	9	7	......
8..	59.93	57.44	22	31	98	62	SSW 1	WSW 1	10	4	......	58.50	56.82	22.4	31.5	96	63	Calm	SW 1	5	3	......
9..	58.94	56.12	21.5	30	95	75	Calm	Calm	10	7	1	59.27	57.69	23.5	30.1	97	71	Calm	ENE 1	10	6	3.3
10..	58.24	55.32	23	30.9	96	67	Calm	ENE 1	10	7	......	60.94	59.33	22.6	29.1	97	71	Calm	E 1	10	7	1.3
11..	57.65	55.40	23.5	29.8	96	72	Calm	Calm	10	6	......	61.48	59.54	22	29.9	96	67	S 1	E 1	10	3	......
12..	57.88	56.64	23.5	29.6	96	69	Calm	NNE 1	10	9	.8	59.48	57.53	21.4	30.1	95	68	SbyW 1	Calm	1	4	.3
13..	59.13	58.04	22.6	25.8	96	85	Calm	E 1	10	9	1.3	59.32	57.13	23	25.9	96	83	Calm	NE 2	10	10	1.3
14..	60.56	58.86	22	25.8	96	81	ENE 1	N 1	10	10	.5	59.80	57.53	21.2	25.9	94	78	Calm	ENE 1	10	10	......
15..	60.77	58.83	21.4	24.7	87	74	NNE 1	ENE 1	10	10	......	59.39	58.48	21.4	26.2	95	73	Calm	S 1	10	10	1
16..	59.79	57.47	21.5	26.9	95	81	Calm	Calm	10	10	5.8	60.54	59.37	21.4	25.6	93	82	Calm	ENE 1	10	10	.4
17..	58.10	56.03	22.5	30.9	97	68	Calm	SW 1	10	7	.5	61.99	60.46	20.8	26.4	96	77	Calm	ENE 1	10	10	.8
18..	58.85	56.75	23.4	27.9	97	82	NE 1	SE 1	10	10	.3	62.72	60.91	21	27.1	96	70	Calm	NE 1	10	9	.4
19..	58.91	57.23	23.5	29.2	97	74	ENE 1	N 1	10	9	14	63.33	61.47	21	27.4	95	68	Calm	ENE 1	10	9	......
20..	59.53	56.73	22	30	96	66	SE 1	Calm	10	7	.5	62.67	60.29	20	29	96	68	Calm	E 1	6	5	.8
21..	58.03	56.21	23.5	27.5	96	77	Calm	N 2	10	10	2.3	62.66	61.46	22	27.4	96	74	ENE 1	N 1	9	9	1
22..	60.28	58.86	20.4	25.5	91	69	Calm	NNE 1	7	10	......	63.75	62	20.5	25.2	95	82	N 1	ENE 1	10	10	1
23..	60.72	59.15	20.5	25	91	76	ESE 1	ESE 1	10	10	......	63.25	61.21	21	24	97	91	Calm	E 1	10	10	3.6
24..	61.25	59.90	20.8	27.2	96	67	Calm	E 1	10	7	1.1	60.40	58.91	21.5	27.8	99	78	Calm	ENE 1	10	8	4.5
25..	62.18	60.43	19.5	22.8	91	83	Calm	Calm	10	10	3.1	60.16	58.81	22	28.4	96	75	Calm	NNE 1	10	9	8.7
26..	61.94	60.02	19.9	24.5	96	87	Calm	NNE 1	10	10	11.9	61.43	59.29	21.5	26.8	96	77	N 1	ENE 2	10	9	4.1
27..	60.37	59.23	21.8	23.5	93	98	Calm	NNW 1	10	10	25.9	60.50	58.99	22.2	29.8	96	70	Calm	Calm	10	3	......
28..	60.29	60.01	22.2	25.5	98	92	Calm	NE 1	10	10	27.7	60.93	59.74	22.4	27.5	95	74	SE 1	NE 1	10	10	1.8
29..	61.49	59.80	22.3	24.2	97	94	Calm	Calm	10	10	68.6	63.75	62.54	20	23	95	84	N 1	ENE 1	10	10	1.1
30..	61.95	60.76	21.6	22.6	98	98	Calm	Calm	10	10	42.6	65.33	64.19	17.8	20.5	90	87	NNE 1	ENE 1	10	10	2.3
31..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	65.62	63.06	17	25	95	69	Calm	E 1	10	7	......
Mean	59.88	58.09	22	27.7	95.3	76.3	0.4	0.7	9.3	8.4	......	61.09	59.35	21.5	27.2	95.7	76.1	0.3	1	9.3	8	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	212.2	.....	.....	.....	.....	.....	.....	....	....	....	....	90.6

CANDON

[ϕ=17° 12′ N; λ=120° 26′ E; barometer above sea, 6 meters gravity correction not applied, −1.62 mm.]

Day.	JANUARY.											FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.41	60.79	23.2	29.1	85	70	Calm	NW 1	0	8	......	61.94	61.32	20.5	28.8	81	58	Calm	NW 2	0	1	......
2..	62.88	60.64	23.7	29.4	89	72	Calm	N 4	3	2	......	62.98	62.46	21.2	29.2	80	64	Calm	W 1	3	2	......
3..	62.43	61.04	23.8	29.9	88	65	Calm	WNW 1	5	2	......	63.72	62.23	22	28.8	84	68	Calm	WSW 1	2	3	......
4..	63.61	61.83	22.5	29	87	68	Calm	NW 2	2	0	......	64.73	62.95	22	29.5	87	68	Calm	NNW 3	4	3	......
5..	63.39	62.16	23.2	29	87	74	Calm	S 2	4	10	......	65.17	62.66	22.5	30	66	56	N 3	SW 2	1	2	......
6..	64.71	63.11	23	29.4	70	65	NNE 3	SSW 2	10	5	......	66.08	63.78	21	28.5	73	64	Calm	SW 1	1	2	......
7..	63.57	62.11	22.4	28.8	75	63	Calm	SW 2	4	2	......	65.69	63.44	20.9	29	79	60	Calm	WNW 1	1	1	......
8..	63.52	60.70	22	29.2	86	66	Calm	WNW 1	0	1	......	65.27	62.71	22	29.5	83	65	Calm	NW 1	3	0	......
9..	61.08	60.34	23	29.2	84	71	Calm	NW 1	0	1	......	64.06	62.46	22.2	29.6	86	61	Calm	W 1	3	1	......
10..	60.50	59.08	21.6	29.8	89	69	Calm	SW 1	0	0	......	63.68	61.68	21.9	28.7	84	69	Calm	NW 2	7	2	......
11..	59.91	59.31	21.2	29	86	71	Calm	NW 1	0	1	......	63.33	61.93	23.7	28.9	82	63	Calm	WNW 2	4	2	......
12..	60.41	59.51	21	28.6	86	70	Calm	NW 2	0	2	......	62.76	60.93	22	28.9	82	65	Calm	SW 1	3	0	......
13..	59.66	60	19.1	28	84	66	Calm	NW 3	4	3	......	62.67	61.56	22	29.5	82	68	Calm	WNW 3	0	1	......
14..	61.55	61.69	20.6	28.5	87	68	Calm	W 1	2	2	......	62.46	61.34	23	30.2	83	65	Calm	WNW 1	7	1	......
15..	63.19	62.19	21	29.5	86	59	Calm	SW 1	1	8	......	62.58	61	24.6	30.5	82	65	Calm	W 1	8	3	......
16..	62.66	61.78	21.5	29	88	71	Calm	NW 3	0	0	......	62.87	61.26	22	29.5	86	71	Calm	N 4	0	4	......
17..	63.74	63.06	23	29.1	89	66	Calm	W 3	6	1	......	61.23	59.96	21.5	28	87	68	Calm	NW 3	6	0	......
18..	64.51	63.41	21.5	29.2	81	68	Calm	W 1	0	2	......	60.40	59.27	19.4	28.5	85	60	Calm	WNW 1	0	0	......
19..	64.76	63.33	22.5	29.5	82	61	Calm	W 1	0	3	......	61.03	59.71	21.7	29.5	80	64	Calm	NW 2	0	2	......
20..	64.17	62.04	22.2	28.6	72	61	Calm	W 1	2	2	......	61.83	58.81	21.5	29.2	82	66	Calm	W 1	7	2	......
21..	64.11	62.78	21.4	28.6	73	60	N 1	NW 2	0	2	......	60.81	59.36	23.8	29.3	83	72	Calm	NW 1	8	4	......
22..	64.09	62.50	20	28	81	59	Calm	NW 3	0	1	......	59.30	58.14	21.8	29.5	84	64	Calm	NW 1	1	0	......
23..	63.05	62.04	20.5	28.5	82	57	Calm	NW 3	9	3	......	59.83	58.93	19.7	30	80	59	Calm	NW 1	0	1	......
24..	62.85	61.72	20.5	28	91	54	Calm	NW 1	2	4	......	61.07	59.34	21.2	29.7	80	57	Calm	NW 3	3	2	......
25..	62.43	61.25	19	28.5	83	62	Calm	NW 2	3	2	......	60.83	59.19	21	29.7	83	63	Calm	WNW 2	1	2	......
26..	62.58	61.29	19	28.7	85	63	Calm	WNW 1	0	2	......	60.79	60.41	23.4	29.5	62	59	N 1	NW 1	9	3	......
27..	63	61.47	20.5	27.7	82	68	Calm	W 2	4	1	......	61.87	60.71	21.7	29.5	80	63	Calm	W 1	5	4	......
28..	62.92	61.01	22	28.8	82	56	Calm	NW 3	7	4	......	61.77	60.80	23.5	29	79	69	Calm	SW 1	6	9	......
29..	62.29	61.29	21	28.7	82	64	N 1	NW 2	0	0	......	......	......	......	......	......	......	......	......	......	......	......
30..	62.59	60.96	22.7	29	85	65	Calm	WNW 3	3	4	......	......	......	......	......	......	......	......	......	......	......	......
31..	61.69	60.49	21	29.1	83	57	Calm	W 1	3	1	......	......	......	......	......	......	......	......	......	......	......	......
Mean	62.69	61.45	21.6	28.9	83.5	64.8	0.2	1.8	2.4	2.5	......	62.49	61.01	21.9	29.3	80.9	64.1	0.1	1.6	3.3	2	......
Total	......	......	......	......	......	......	......	......	......	......	0	......	......	......	......	......	......	......	......	......	......	0

Day.	MARCH.											APRIL.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.19	59.69	22.8	29.5	84	64	Calm	WNW 1	0	2	......	59.54	58.44	23.8	31.3	89	73	Calm	SW 1	0	0	......
2..	61.01	60.16	22.4	29.5	79	58	Calm	NW 2	1	3	......	60.83	59.92	25.1	31.6	88	72	Calm	SW 2	9	2	......
3..	61.72	61.18	21.8	30.4	79	58	Calm	NW 2	3	2	......	60.03	58.03	25.2	31.5	86	75	Calm	WNW 1	6	3	......
4..	62.28	61.40	22.2	29.5	71	66	Calm	W 1	1	4	......	59.08	58.24	24.1	31.5	87	75	Calm	SW 1	2	3	......
5..	61.96	61.46	21.5	29.5	81	64	Calm	W 1	5	3	......	60.19	59.38	26.4	31.6	85	73	Calm	NW 1	9	8	......
6..	61.70	60.78	23.4	29.6	80	66	Calm	SW 1	8	4	......	60.44	59.53	25.4	31.8	87	77	Calm	NW 1	7	2	......
7..	61.72	60.76	22.5	29.5	78	59	Calm	NW 2	3	2	......	60.14	58.48	25.7	31.8	84	70	Calm	SW 1	8	2	......
8..	61.04	60.70	22.2	29.9	82	65	Calm	NW 1	3	4	......	58.91	57.86	25.7	32	88	76	Calm	W 1	3	5	......
9..	61	60.40	23.4	30	80	64	Calm	WNW 1	2	3	......	58.59	57.36	25	32.5	88	73	Calm	NW 1	5	3	......
10..	61.54	60.03	22.9	30.2	75	62	Calm	SW 1	4	2	......	57.87	56.92	25	32.1	88	75	Calm	WNW 2	7	4	......
11..	61.79	60.28	26.5	30.5	86	65	Calm	SW 2	10	4	......	57.96	57.04	26.7	32.2	85	73	Calm	SW 1	8	3	......
12..	62.13	61.34	24.6	30.7	79	62	Calm	SW 2	5	2	......	57.79	56.87	26.2	33.2	84	69	Calm	WNW 1	2	2	......
13..	61.93	60.08	24.2	30.9	78	66	Calm	WSW 1	4	3	......	58.01	56.99	26.5	32.5	84	74	Calm	SW 1	1	1	......
14..	61.20	60.59	27	29.6	80	61	Calm	SW 2	10	2	18.3	58.46	57.61	26.6	33	81	63	Calm	SW 1	9	1	......
15..	62.48	60.94	24	29.5	85	68	Calm	N 3	2	0	......	59.12	58.36	25.5	33	83	72	Calm	SW 1	0	2	......
16..	61.76	60.22	23.6	30.5	85	68	Calm	NW 1	0	2	......	59.69	58.66	26	32.7	76	61	Calm	NW 2	2	3	......
17..	60.96	60.81	24.3	30	85	60	Calm	S 2	2	0	......	58.84	58.47	25.6	32.5	78	60	Calm	WSW 1	0	2	......
18..	62.08	61.15	23.1	30.2	84	68	Calm	WSW 1	0	2	......	58.59	57.77	25.6	32.8	79	62	Calm	SW 2	0	0	......
19..	62.72	61.84	23.5	30.5	84	68	Calm	W 1	0	2	......	59.65	59.17	27	32.7	75	67	Calm	SW 1	1	2	......
20..	61.90	60.29	24.8	30.5	85	68	Calm	SW 1	0	4	......	60.29	59.63	26.1	32.8	77	59	Calm	SW 1	2	0	......
21..	60.76	59.54	26	30.7	84	65	Calm	SW 1	9	2	......	60.65	59.09	26.4	32.9	77	64	Calm	SW 1	3	1	......
22..	60.35	59.59	24.9	31.3	84	68	Calm	SW 1	9	4	......	60.23	58.73	27.8	32.8	82	59	Calm	SW 1	3	0	......
23..	60	59.29	26.9	31.5	82	70	Calm	SW 1	7	3	......	60.74	59.21	27.7	32.2	82	68	Calm	NW 2	8	4	......
24..	59.76	59.17	26	31.2	84	72	Calm	NW 1	7	2	......	61.06	59.53	26.5	32.5	80	72	Calm	SW 1	3	2	......
25..	59.70	59.57	27	32	83	72	Calm	SW 1	9	8	......	60.74	58.78	26.8	33.6	82	62	Calm	SW 1	3	0	......
26..	60.50	58.98	25.5	31.8	83	70	Calm	SW 1	0	2	......	59.70	58.28	27.6	33.1	83	75	Calm	SW 1	7	3	......
27..	60.15	58.94	24.8	31.5	82	68	Calm	SW 1	7	3	......	58.85	56.96	27.5	32.8	84	75	Calm	W 1	2	2	......
28..	60.66	59.14	25.7	31.2	82	74	Calm	NW 2	4	8	......	58.16	56.81	29	33.2	81	72	Calm	SSW 1	8	3	......
29..	59.72	59.12	26	31.4	83	66	Calm	SSW 2	3	2	......	58.47	57.56	27.6	33.4	84	75	Calm	NW 2	1	1	......
30..	59.06	57.74	25.5	31.2	84	69	Calm	WSW 1	10	8	3.3	59.14	57.82	28.2	33.2	83	75	Calm	W 1	3	2	......
31..	58.79	58.06	25.7	30.5	89	76	N 1	WNW 3	3	2	......	......	......	......	......	......	......	......	......	......	......	......
Mean	61.08	60.10	24.3	30.5	81.9	66.1	0	1.4	4.2	3	......	59.39	58.25	26.3	32.5	83	69.9	0	1.2	4.1	2.2	......
Total	......	......	......	......	......	......	......	......	......	......	21.6	......	......	......	......	......	......	......	......	......	......	0

CANDON

[ϕ=17° 12′ N; λ=120° 26′ E; barometer above sea, 6 meters; gravity correction not applied, −1.62 mm.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	58.70	57.58	27.5	33.4	87	....	Calm	SSW 2	0	1	......
2..	59.36	57.97	28	33.2	85	....	Calm	SSW 1	4	4	......
3..	59.20	58.20	27.4	33	79	....	Calm	W 1	5	3	......
4..	59.57	58.65	27	32.5	80	....	Calm	WNW 1	5	8	......
5..	60.26	59.54	26.7	33.4	85	....	Calm	W 1	1	3	......
6..	60.17	59.05	26.3	33.1	85	....	Calm	W 1	0	2	......
7..	59.72	58.20	26.5	33.5	86	....	Calm	W 1	3	2	......
8..	58.69	57.96	26.2	33.2	82	....	Calm	WSW 2	3	4	......
9..	58.83	57.92	25.9	33.4	85	....	Calm	W 1	1	3	......
10..	58.32	56.90	27	33.4	87	....	Calm	SSW 2	4	4	......
11..	57.83	56.25	27	33.3	83	....	Calm	SW 1	9	8	17.8
12..	57.27	56.23	26.4	32	93	....	Calm	WNW 1	7	9	3
13..	57.99	56.27	26	32.2	93	....	Calm	W 1	9	4	2
14..	57.45	56.32	26	32.8	95	....	Calm	W 1	3	4	......
15..	57.16	56.35	26.2	33	79	60	Calm	WNW 2	2	5	......
16..	56.58	56.02	27	32	78	64	Calm	WNW 1	5	4	......
17..	56.51	55.75	26.6	32.2	80	62	Calm	S 2	5	9	5.1
18..	55.94	54.73	26.2	31.6	82	65	Calm	SW 2	8	8	2
19..	55.93	56.29	26.5	27.7	82	84	Calm	Calm	10	10	48
20..	57.12	55.68	25.5	31.8	87	67	Calm	SSW 4	9	9	3.3
21..	58.33	57.77	27	32	83	67	Calm	SW 1	8	4	......
22..	58.42	57.05	27.4	32.8	81	64	Calm	WSW 1	5	4	......
23..	58.88	56.82	27	33	84	61	Calm	NW 1	5	7	......
24..	58.21	57.40	27.4	33.4	81	64	Calm	SW 1	4	7	......
25..	58.75	57.80	27.8	30.7	82	67	Calm	SW 1	8	10	......
26..	57.58	56.19	26.8	32.4	85	65	Calm	WNW 1	3	4	......
27..	56.56	55.32	27.3	32	79	67	Calm	SW 1	9	7	5.8
28..	55.90	56.44	27	28.4	84	85	N 1	Calm	9	10	5.6
29..	56.52	55.74	25.4	31.3	85	65	Calm	NW 1	4	8	9.4
30..	57.03	56.49	26.8	31.5	87	72	N 1	WNW 1	10	7	1.8
31..	58.42	57.37	26	31.7	85	65	Calm	W 1	10	6	......
Mean	57.97	56.98	26.7	32.3	84.2	67.3	0.1	1.2	5.4	5.7	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	103.8

JUNE.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	58.83	58.04	26.8	32.2	84	65	Calm	WNW 1	4	5	......
2..	57.78	56.62	27	32.5	82	67	Calm	W 1	4	9	23.6
3..	57.33	55.42	26	31.5	85	72	Calm	WNW 1	4	9	3
4..	57.09	56.03	26.7	31.4	85	60	Calm	SW 1	3	4	......
5..	57.73	56.97	26.8	32.2	86	70	Calm	WSW 2	4	2	......
6..	58.52	56.99	26.8	32.8	85	65	Calm	SW 1	3	3	......
7..	59.26	57.26	27.3	33	82	64	Calm	WNW 1	2	4	......
8..	58.17	56.55	27	33.2	84	69	Calm	W 1	1	5	8.9
9..	56.39	54.21	26	31.9	87	73	Calm	W 1	2	3	8.4
10..	53.01	51.47	27	31.5	87	77	N 1	WSW 1	9	9	......
11..	51.56	51.17	27.4	31.1	87	68	Calm	S 4	10	10	......
12..	52.58	52.47	27.2	33.2	81	59	Calm	SSW 4	5	3	......
13..	53.53	53.51	27.3	33.6	79	62	Calm	SSW 4	5	4	......
14..	54.06	54.25	27.1	32.4	81	67	Calm	SSW 5	9	8	1
15..	55.87	56.29	27.2	28.5	83	82	S 1	SW 2	9	10	8.6
16..	56.71	57.26	26.4	29	81	76	SSE 1	SSE 3	9	10	2.5
17..	56.88	56.65	25	30.2	86	71	Calm	SW 3	8	5	7.1
18..	56.69	56.32	25.5	31.6	85	70	Calm	SSW 3	8	8	......
19..	56.81	55.12	25.4	31.7	84	71	Calm	WNW 1	3	2	......
20..	56.58	55.94	26	30.5	87	72	Calm	SW 1	10	8	3.8
21..	57.14	56.34	25.8	31.7	85	66	Calm	SW 2	3	4	2
22..	57.88	57.27	25.5	32	84	66	Calm	SW 2	4	5	1.5
23..	57.43	57.29	26	32	84	67	Calm	SW 3	2	3	2.5
24..	57.43	56.66	27	31.8	84	65	Calm	SW 3	4	5	......
25..	56.81	55.31	27.2	31.8	83	70	Calm	SW 2	6	9	11.9
26..	54.84	53.37	25	31.5	88	72	Calm	SSW 2	9	8	29.7
27..	55.08	53.67	25.7	32.2	89	68	Calm	S 3	3	4	......
28..	57.58	57.01	26.2	32.5	85	65	Calm	SSW 3	2	3	12.4
29..	60.12	57.79	27	31.6	83	68	NNE 1	WNW 1	8	4	......
30..	58.18	55.73	26.8	31.2	88	74	Calm	NW 3	3	7	120.9
31..	.....	.....	.....	.....	.....	.....	....	....	....	....	......
Mean	56.60	55.67	26.5	31.7	84.5	68.7	0.1	2.2	5.2	5.8	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	247.8

JULY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	55.04	53.23	25.4	31	88	75	Calm	NW 2	10	8	45.7
2..	52.44	53.55	25.4	24.2	85	88	SE 1	SE 2	10	10	164.3
3..	56.36?	56.69	23	27	86	83	S 1	SW 1	10	10	......
4..	57.96	58.60	26.1	31	81	65	S 1	SSW 2	10	8	......
5..	59.57	58.56	24.7	30.5	83	72	Calm	SW 1	9	8	......
6..	59.18	58.28	25	31	85	72	Calm	NW 1	1	4	3.8
7..	59.94	59.81	24	29.9	88	75	Calm	W 1	9	9	......
8..	60.40	60.05	25	31.2	87	69	Calm	W 1	3	2	......
9..	59.53	58.63	25.6	31.7	85	70	Calm	NW 1	0	5	......
10..	57.92	57.49	24.6	31.6	87	70	Calm	W 1	0	2	......
11..	58.31	57.89	25.5	31.4	87	65	Calm	SW 1	1	3	......
12..	59.26	58.73	25.5	31.6	85	69	Calm	W 1	1	3	......
13..	59.56	58.27	25.5	31.8	86	66	Calm	WNW 1	2	3	......
14..	58.88	57.86	25.5	32.1	83	66	Calm	SW 1	2	1	......
15..	57.76	57.07	25.7	32	86	69	Calm	WNW 1	3	4	......
16..	57.59	56.58	25	32.2	83	65	Calm	NW 2	3	2	......
17..	57.86	57.34	25	31.8	87	66	Calm	NW 1	8	8	......
18..	57.86	56.97	25.5	32	85	63	Calm	WNW 1	7	2	......
19..	57.29	56.42	26.1	32.4	83	68	Calm	SW 1	2	3	......
20..	56.47	56.55	27	30.5	84	72	Calm	Calm	8	10	1.5
21..	56.14	54.98	26.2	31.5	89	72	Calm	W 1	9	10	45
22..	55.89	54.79	26	30.7	90	74	Calm	SW 1	9	8	20.6
23..	55.86	55.03	25.8	29.7	90	78	Calm	NW 1	10	9	7.6
24..	55.16	53.60	26.5	29.5	90	79	Calm	SW 1	10	9	74.7
25..	54.58	53.90	24.8	31.6	92	68	Calm	NW 1	9	9	1.5
26..	54.12	53.13	26.1	30.7	91	76	Calm	SW 1	9	10	......
27..	52.62	51.43	26	30	89	81	Calm	S 1	7	10	9.7
28..	52.55	52.51	26.4	29.6	90	81	Calm	SSW 1	10	10	8.9
29..	52.66	53.23	26.7	26.1	90	93	Calm	Calm	10	10	47.5
30..	52.33	51.72	25.6	26	93	92	SSE 1	SE 1	10	10	145.5
31..	51.81	50.63	26	29.3	92	76	SSE 2	S 4	10	10	16
Mean	56.54	55.92	25.5	30.4	87.1	73.5	0.2	1.2	6.5	6.8	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	592.3

AUGUST.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.	-		0–10	0–10	mm.
1..	51.83	52.13	26.2	30.6	88	76	SSE 4	SSE 4	9	9	32.5
2..	53.56	53.70	26.7	29.5	87	80	S 1	S 1	10	5	5.8
3..	54.58	53.83	26.5	30.7	86	72	Calm	SSW 2	9	10	8.9
4..	54.40	53.73	26.4	29.8	88	76	Calm	SW 1	10	10	11.4
5..	54.98	53.81	25.6	28.5	87	78	Calm	SSW 1	10	10	18.8
6..	53.24	52.66	25	25.8	92	92	SSE 2	SSW 1	10	10	154.7
7..	49.92	50.43	25	24.2	88	91	SSW 2	SSE 3	10	10	259.6
8..	50.95	51.19	24.5	25.3	94	93	SSE 2	SSW 1	10	10	188.7
9..	50.90	51.68	26	27	95	90	S 1	SSE 1	10	10	118.9
10..	53.09	52.33	25.2	25.9	92	92	SE 1	SE 1	10	10	288.3
11..	52.41	51.67	24.9	25.8	92	93	Calm	S 1	10	10	69.3
12..	51.64	51.48	24.8	26.1	92	89	SSE 2	S 2	10	10	74.9
13..	52.86	53.13	24.4	29	93	85	Calm	SSW 2	10	9	32.8
14..	54.61	54.42	25.7	28.2	89	80	Calm	SSW 4	10	10	......
15..	54.89	55.23	26	26.5	80	85	S 2	S 2	10	10	35
16..	56.28	57.33	24.9	28.2	87	80	Calm	SSW 4	9	10	17.8
17..	58.12	57.05	25.4	29.5	88	77	Calm	S 2	10	9	16.8
18..	57.17	56.09	25.1	29.5	87	75	Calm	SSW 1	8	9	......
19..	57.36	56.88	26	30	85	74	Calm	W 1	6	8	4.8
20..	54.98	48.81	25.4	26.7	88	90	Calm	N 3	10	10	83.6
21..	49.87	54.59?	25.6	27	73?	85	S 5	Calm	10	10	5.6
22..	56.81	56.02	25	30.4	88	70	Calm	SSW 1	9	8	......
23..	57.74	56.76	26.4	30.1	86	73	Calm	SSW 1	8	7	17
24..	56.28	54.83	26.2	27.2	84	86	Calm	S 1	10	10	53.1
25..	53.08	52.16	26.5	29.1	90	80	SSW 1	SSW 3	10	10	6.4
26..	54.53	55.28	25.5	27	83	86	S 1	Calm	10	10	11.4
27..	56.39	56.22	25.6	28.5	87	78	Calm	SSW 2	7	10	......
28..	56.83	56.34	24.7	30	86	71	Calm	S 1	9	7	......
29..	56.65	55.64	26.4	29.7	85	76	Calm	Calm	7	8	4.3
30..	54.92	53.61	26	28.8	88	79	Calm	SW 1	10	10	68.6
31..	53.63	53.96	26.5	28.8	89	79	WNW 1	WSW 1	10	10	3.3
Mean	54.34	53.97	25.6	28.2	87.6	81.6	0.8	1.6	9.4	9.3	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	1,592.3

CANDON

[ϕ=17° 12′ N; λ=120° 26′ E; barometer above sea, 6 meters; gravity correction not applied, −1.62 mm.]

Day.	SEPTEMBER.											OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	53.94	53.38	25.2	30.6	83	74	Calm	SW 2	10	8	1.5	58.66	57.70	25.6	30.6	87	71	Calm	SW 1	2	1	......
2..	55.84	56.31	25.8	30.7	85	70	SSE 1	S 3	8	9	5.1	57.57	56.10	25.1	31	83	64	Calm	W 1	0	0	......
3..	57.84	58.71	25.5	30.5	86	70	Calm	S 2	7	8	......	57.21	56.10	25.6	31	83	64	Calm	W 1	2	1	......
4..	59.66	58.96	26.5	29.8	86	71	Calm	W 1	9	6	......	57.73	56.29	25.6	31	87	66	Calm	N 2	8	3	......
5..	59.12	58.36	24.7	30.3	86	72	Calm	NNW 2	0	1	......	57.18	56.20	26	30.9	86	70	Calm	NNW 2	9	2	......
6..	58.36	56.96	25.4	30.5	85	74	Calm	NNW 2	0	8	9.7	57.63	56.18	26.6	30.7	87	75	Calm	W 1	9	1	......
7..	56.36	55.91	25.2	30	87	75	Calm	WNW 1	1	7	15	58.73	57.47	26.7	31.3	86	65	Calm	SSW 1	3	8	......
8..	56.69	56.08	25.2	30	88	76	Calm	NNW 2	5	2	......	57.88	56.19	24.5	30.5	87	74	Calm	Calm	9	9	......
9..	57.03	56.82	26.6	30.5	86	75	Calm	S 1	1	5	21.1	56.31	54.81	26.4	28.5	86	80	N 1	N 1	10	10	......
10..	57.08	55.91	25.4	30.1	88	71	Calm	SW 1	9	4	......	55.81	54.59	25.7	30.2	89	80	Calm	W 1	9	10	1
11..	55.59	54.71	26.2	30.6	86	72	Calm	WNW 1	7	8	......	56.46	56.20	25.6	31	91	76	Calm	NW 1	9	10	......
12..	54.99	53.44	25	30.3	83	71	Calm	SW 1	9	7	......	58.66	58.27	26.2	31.3	90	75	Calm	NNW 1	9	10	2.3
13..	54.28	53.69	26	30.5	84	70	Calm	WSW 1	10	8	4.6	60.21	59.24	25.6	31	89	75	Calm	WNW 1	2	4	......
14..	55.38	54.81	26.1	30.4	83	72	Calm	W 2	9	4	......	59.22	56.94	25	30.9	88	76	Calm	SW 1	5	7	......
15..	56.26	55.71	25.6	30.4	84	72	Calm	W 1	7	9	2.3	56.48	54.80	25	30.2	83	75	Calm	Calm	9	10	......
16..	57.43	56.79	26	30.1	84	73	Calm	WNW 1	9	7	9.1	56.39	54.73	26.1	31	87	75	Calm	SW 1	9	8	......
17..	58.71	58.33	26.1	29.7	87	75	Calm	WNW 1	9	8	1.5	57.58	56.33	26.4	29.3	87	81	Calm	NW 1	9	9	60.7
18..	59.86	59.29	26	29.7	86	75	Calm	WNW 2	5	9	10.2	57.73	56.03	25	29.6	87	77	Calm	W 1	4	2	......
19..	59.85	58.26	25	30	88	73	Calm	WNW 1	8	3	......	57.81	56.66	25.9	30.2	88	77	Calm	SW 1	8	5	......
20..	58.83	57.96	26.5	30.2	86	70	Calm	WNW 1	8	7	......	58.21	57.38	25.6	29.5	90	79	Calm	WNW 1	8	7	6
21..	58.46	57.93	25.5	29.5	84	71	Calm	Calm	7	8	13	59.59	58.33	24.9	29.9	86	79	Calm	SW 1	9	3	......
22..	59.02	58.15	25	30	87	76	Calm	NW 1	5	7	2.5	60.16	58.66	25.4	30.1	88	71	Calm	WNW 1	7	0	......
23..	58.75	58.19	26.2	30.5	87	65	Calm	NNW 1	5	0	......	59.88	59.08	25.4	30.5	88	75	Calm	SW 1	2	1	......
24..	58.86	58.29	25.5	30.5	88	65	Calm	NW 1	4	5	......	59.84	58.16	24.5	30.5	90	72	Calm	SW 1	1	1	......
25..	59.62	58.94	25.1	30.7	86	70	Calm	NNW 1	3	0	......	59.82	57.91	25.1	30.6	87	74	Calm	WNW 1	8	6	......
26..	60.08	58.40	26	31	87	75	Calm	SW 1	0	3	......	60.03	58.26	25.5	30.7	89	78	Calm	SW 2	2	4	4.3
27..	59.58	58	26.6	30.5	89	76	Calm	Calm	4	2	3.6	60.34	59.36	25	30.5	90	75	Calm	SW 1	3	7	15
28..	59.31	58.08	27	30.7	87	75	Calm	W 1	9	7	......	59.74	58.43	24.1	29.9	91	76	Calm	NW 1	1	2	......
29..	59.69	57.90	26	31	89	70	Calm	NNW 1	9	3	......	59.62?	58.04	25	30.5	91	79	Calm	W 1	3	6	......
30..	59.33	57.59	25.7	30.8	88	76	Calm	WNW 1	1	3	......	59.83	57.95	25	30.7	92	80	Calm	SW 1	2	7	......
31..	.....	.....	....	....	....	....	....	....	....	....	......	58.94	57.46	25.7	30.5	90	83	Calm	SSW 1	9	10	......
Mean	57.86	57.06	25.8	30.3	86.1	72.3	0	1.2	5.9	5.5	......	58.43	57.09	25.5	30.5	87.8	74.7	0	1	5.8	5.3	......
Total	.....	.....	....	....	....	....	....	....	....	....	99.2	.....	.....	....	....	....	....	....	....	....	....	89.3

Day.	NOVEMBER.											DECEMBER.										
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0-10	0-10	mm.
1..	58.94	58.39	26	30	92	75	Calm	W 1	5	9	38.1	59.83	58.13	25	29.5	87	78	Calm	SW 1	8	7	......
2..	60.04	59.24	24.4	30	88	75	Calm	Calm	5	8	2.8	60.40	58.61	23.5	30.5	88	71	Calm	SW 1	9	8	......
3..	60.08	58.36	24.2	30	86	71	Calm	N 1	4	2	......	59.85	58.24	22.4	29.5	84	76	Calm	W 1	2	2	......
4..	59.79	58.03	23.7	30	85	71	Calm	WNW 1	2	1	......	58.58	55.89	23.5	29.5	87	68	Calm	SW 1	4	7	......
5..	59.14	57.46	24.4	30.2	83	75	Calm	WNW 1	0	0	......	56.49	55.33	25	30	87	70	Calm	SW 1	10	9	......
6..	58.58	57.18	25	30.5	85	65	Calm	SW 1	1	1	......	56.97	56.19	26.4	28.7	86	82	Calm	W 1	10	4	1
7..	59.25	58.13	24.4	30.2	87	68	Calm	NW 1	1	2	......	58.18	57.13	24.6	30.6	87	70	Calm	W 1	2	9	......
8..	59.62	57.86	24.4	30.2	89	69	Calm	NNW 1	3	2	1.5	58.67	58.04	25	29.1	85	79	Calm	W 1	5	7	......
9..	58.23	56.54	24.8	30	88	74	Calm	WSW 1	4	1	......	58.92	58.33	25	30.2	87	70	Calm	SSW 1	3	8	......
10..	58.02	56.08	24.9	30.3	87	68	Calm	NNW 1	3	2	......	60.44	59.02	23.4	29.1	86	73	Calm	SW 1	2	3	......
11..	57.18	55.93	24.9	30	86	73	Calm	WNW 1	2	1	......	61.03	59.45	23.2	29.2	85	67	Calm	SW 1	2	1	......
12..	57.79	56.56	24.5	30.7	87	69	Calm	N 1	3	1	......	59.86	58.79	23	29.5	86	72	Calm	NW 1	1	3	......
13..	58.22	57.58	24	30.1	85	68	Calm	NNW 1	7	5	......	59.38	56.73	23.4	30.4	88	69	Calm	N 3	1	7	......
14..	59.75	57.43	23.4	31	80	56	Calm	NNE 2	10	5	......	58.60	56.42	22.8	29.4	83	66	Calm	W 1	4	6	......
15..	59.26	56.71	23.3	30.5	74	59	NNE 1	N 1	3	7	......	58.36	57.74	23	28.8	84	72	N 1	NNW 2	1	1	......
16..	58.36	56.65	23.3	30.2	78	66	Calm	Calm	4	2	......	59.23	58.71	22.7	28.7	84	69	Calm	NNW 1	0	0	......
17..	58.22	56.81	25	30.5	85	73	Calm	WNW 1	8	2	......	61.01	59.85	22.7	28.8	84	65	Calm	NW 1	0	1	......
18..	57.85	55.74	25	31.6	87	77	Calm	W 1	4	3	......	61.76	60.10	23.4	29.5	80	62	Calm	NW 1	2	2	......
19..	57.73	56.39	25.8	31.6	88	66	Calm	SW 1	8	9	......	62.14	60.66	23	29	78	64	NNE 1	WNW 1	3	4	......
20..	58.21	57.19	23.4	29.6	90	66	Calm	SW 1	2	4	......	61.96	61.16	23.7	29.2	82	70	Calm	N 3	8	9	......
21..	57.79	56.59	25.2	29.9	84	69	Calm	N 4	3	8	......	62.37	61.29	22.5	28.7	82	69	Calm	SW 1	3	4	......
22..	58.65	57.64	24	29.2	71	64	NNE 1	N 1	10	3	1	62.28	61.37?	22.7	27.6	78	77	Calm	SW 1	2	5	......
23..	59.71	58.67	23	28	83	70	N 1	Calm	10	8	......	61.19	60.03	22.8	28.2	83	76	Calm	W 1	2	6	4.8
24..	60.19	58.76	22.4	28.4	79	53	Calm	NNE 3	9	7	......	60.86	58.72	24.1	28.9	84	76	Calm	NNW 3	7	6	......
25..	60.52	59	20.6	29	76	62	Calm	SSE 2	4	1	......	59.20	58.39	24	29.5	86	66	Calm	SSW 2	4	3	......
26..	60.79	59.01	21.2	28.5	80	67	Calm	Calm	3	1	......	60.43	58.70	22.5	29	84	67	Calm	SW 1	1	2	......
27..	59.88	57.99	22.5	29.5	84	71	Calm	N 1	4	9	1	60.82	59.50	24	29.5	83	61	Calm	NNW 3	8	5	......
28..	59.58	58.74	25	28.1	85	82	Calm	Calm	10	10	......	61.41	59.65	22	28.6	82	68	Calm	N 4	4	1	......
29..	60.57	58.17	23.6	29	90	81	Calm	NW 1	4	9	......	61.69	59.69	22.6	29.5	81	58	Calm	NNW 3	2	3	......
30..	60.40	59.14	23.6	29	89	78	Calm	N 1	6	9	......	62.36	60.56	21.7	28	65	51	NNE 2	NNE 3	9	4	......
31..	.....	.....	....	....	....	....	....	....	....	....	......	62.10	60.95	20	28	69	57	NNE 2	W 1	7	3	......
Mean	59.08	57.60	24	29.9	84.4	69.4	0.1	1.1	4.7	4.4	......	60.21	58.82	23.3	29.2	83.1	69	0.2	1.5	4.1	4.5	......
Total	.....	.....	....	....	....	....	....	....	....	....	44.4	.....	.....	....	....	....	....	....	....	....	....	5.8

CAPE BOJEADOR

[ϕ=18° 31′ N; λ=120° 36′ E; barometer above sea, 93.9 meters; gravity correction not applied, —1.57 mm.]

Day.	JANUARY.[a]											FEBRUARY.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.45	61.03	23.8	29.6	90	69	Calm	WNW 3	7	3	......	61.62	61.51	21.5	27.8	75	67	Calm	NNE 3	1	2	......
2..	62.44	62.35	23.6	24.2	86	88	E 3	NE 3	7	7	......	62.46	62.58	21.3	29.4	87	60	E 2	WNW 1	2	3	......
3..	62.86	62.75	21.2	23.2	96	86	NE 4	NE 5	7	7	......	63.66	62.10	23.1	27	93	74	NNE 5	NE 3	8	4	2
4..	63.39	63.53	20.2	23.2	89	84	NE 5	NE 5	10	7	......	65.22	65.51	21.5	21.3	96	92	NNE 5	NNE 5	10	8	3.5
5..	63.96	64.41	20.2	22	89	86	NE 5	NE 5	7	7	......	67.23	64.81	18.5	21.5	88	74	ENE 6	NE 6	4	4	......
6..	65.65	64.55	19.8	22.8	85	70	NE 5	NE 5	7	7	......	66.04	63.76	20.3	26.3	76	59	ENE 4	ENE 3	2	3	......
7..	63.49	62.04	20.8	26.6	87	67	NE 3	NE 4	6	3	......	65.16	63.06	20.8	30	72	57	E 1	NE 3	3	3	......
8..	63	61.74	23.4	27.8	88	69	Calm	NW 3	3	3	......	64.87	63.31	22.7	27.5	87	74	SSW 2	NNE 2	3	3	......
9..	61.32	60.80	24.2	27.8	86	69	Calm	NW 3	3	3	......	64.16	62.67	22.6	24.8	90	79	NE 4	ENE 4	8	4	......
10..	60.19	59.55	22.8	28.6	79	76	Calm	W 3	3	3	......	64.13	62.68	22.8	25	91	72	NE 3	NE 4	6	9	......
11..	59.43	59.83	23.8	27.4	86	80	Calm	W 3	3	6	......	63.56	62.66	22.3	26	89	75	ENE 2	NNE 3	8	8	......
12..	60.57	60.59	22.6	27.8	89	67	Calm	W 3	7	3	......	62.34	61.36	22.9	28.9	79	71	Calm	W 2	6	4	......
13..	60.82	60.71	21.6	25.8	84	67	NE 3	NE 3	7	5	......	62.23	61.92	22.5	27.4	90	73	Calm	N 2	3	4	......
14..	62.36	61.80	22.2	24.8	86	79	NE 3	NE 4	7	7	......	63.03	61.51	23.8	26.5	78	71	NE 3	NE 4	9	3	......
15..	62.80	62.71	22.6	27.4	82	76	Calm	W 3	7	7	......	63.10	61.77	22.9	27	94	75	NE 3	NE 3	10	6	......
16..	......	......	......	......	......	......	......	......	......	......	......	63.29	62.44	23	26	89	69	NE 2	NNE 3	10	9	......
17..	......	......	......	......	......	......	......	......	......	......	......	62.04	60.61	21.2	26	79	65	ENE 2	NNE 2	3	2	......
18..	......	......	......	......	......	......	......	......	......	......	......	60.34	59.31	21	26.5	79	57	ENE 4	NE 3	5	4	......
19..	......	......	......	......	......	......	......	......	......	......	......	61.24	60.14	20.6	28.2	76	60	W 1	N 1	5	2	......
20..	......	......	......	......	......	......	......	......	......	......	......	61.38	59	22	28.7	77	61	SSE 1	NNW 1	8	1	......
21..	......	......	......	......	......	......	......	......	......	......	......	60.13	58.87	24	28.4	77	69	SSW 2	W 2	4	3	......
22..	......	......	......	......	......	......	......	......	......	......	......	59.70	58.81	22	27.5	91	66	ENE 1	NNE 2	7	2	......
23..	62.65	61.67	20.6	27.3	68	68	Calm	SW 2	1	3	......	59.48	59.44	24	29.6	66	58	Calm	NW 1	4	3	......
24..	62.54	61.33	22	29.4	81	55	Calm	WNW 2	1	1	......	60.82	60.61	21.5	27.7	78	72	ENE 1	N 2	3	3	......
25..	62.52	62.08	20.5	26	87	66	E 2	NNE 3	1	4	......	61.83	59.96	22.2	24.4	75	62	NE 3	NE 5	8	4	......
26..	62.35	61.30	20.7	26.5	76	59	E 4	NE 5	1	1	......	61.09	60.70	20.4	28.5	73	50	E 1	NNE 1	4	3	......
27..	62.57	61.25	19.8	30.7	72	47	E 3	N 1	2	1	......	61.29	61.28	23.8	30.1	64	65	SSW 1	NW 2	9	9	......
28..	62.95	60.76	21	27.2	73	57	E 3	ENE 5	1	2	......	61.58	60.79	21	31.3	85	55	E 1	NW 1	3	9	......
29..	61.79	61.67	23.5	30.3	67	61	S 3	WNW 1	1	1	......	......	......	......	......	......	......	......	......	......	......	......
30..	62.72	61.44	23.2	26.9	85	67	E 2	NNE 4	9	4	......	......	......	......	......	......	......	......	......	......	......	......
31..	61.47	60.44	21.8	27	87	68	ENE 2	NNE 2	2	2	......	......	......	......	......	......	......	......	......	......	......	......
Mean	62.30	61.68	21.9	26.7	83.2	70	2.1	3.3	4.6	4	......	62.61	61.54	22	27.1	81.9	67.2	2.1	2.6	5.6	4.4	......
Total	......	......	......	......	......	......	......	......	......	......	0	......	......	......	......	......	......	......	......	......	......	5.5

Day.	MARCH.											APRIL.										
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	60.98	59.67	22	29.5	74	59	ENE 1	N 1	2	6	......	59.62	59.19	22.7	28.8	94	69	ENE 3	NE 3	5	4	......
2..	61.20	60.54	23.2	27.5	68	66	SSW 1	NNE 3	8	7	......	60.80	59.89	23.5	29.2	89	66	ENE 4	NE 4	4	3	......
3..	61.61	61.60	23.2	32.5	60	48	ESE 1	WNW 1	10	4	......	60.02	58.34	24	31.2	83	60	NE 1	N 1	9	6	......
4..	62.12	61.70	23.6	30.8	84	60	Calm	NW 1	8	5	......	59.39	58.51	24.8	28.6	87	76	ENE 4	NNE 4	9	8	......
5..	61.45	61.56	23.3	29.5	85	66	Calm	W 1	8	8	......	60.17	59.60	24.1	30.5	90	65	ENE 1	N 1	7	4	......
6..	61.68	61.13	22.5	29.1	96	68	ENE 1	NNW 1	9	7	......	60.69	59.78	24.7	29	93	73	ENE 4	NNE 4	10	4	......
7..	61.20	61.02	22.3	29	92	67	S 2	W 2	7	5	......	59.90	59.10	24.4	31.3	83	64	E 1	NNE 2	8	5	......
8..	60.80	60.52	23	28	88	71	S 1	SW 3	9	3	......	58.87	58.12	25.2	31.5	87	66	S 1	W 2	9	5	......
9..	60.91	60.52	22.7	29.6	91	65	NNE 1	Calm	3	3	......	58.46	57.67	25	30.7	95	69	Calm	WSW 2	9	3	......
10..	61.72	59.64	24.3	31.7	71	56	Calm	NE 2	3	4	......	57.78	57.36	24.7	31.9	93	68	ENE 2	N 2	9	4	......
11..	61.65	59.48	24.6	30.5	79	61	ENE 2	NE 3	6	3	......	58.28	56.30	25.3	31	83	65	ENE 3	N 4	10	4	......
12..	62.01	61.06	24	29.5	80	68	SSW 1	W 2	7	5	......	58.01	56.78	25	32.5	79	60	E 2	WSW 2	7	8	......
13..	62.12	60.23	23.4	29.2	92	65	ENE 2	NE 3	4	3	......	58.17	57.17	26.5	32.6	77	63	S 2	W 2	5	6	......
14..	60.96	60.62	24.3	29.9	76	63	SSW 1	SW 3	3	2	......	58.14	58.13	26.4	34.5	77	56	Calm	NW 1	7	3	......
15..	62.71	61.52	24.3	29	81	63	NW 1	N 1	10	2	......	59.10	58.70	26	32.5	76	63	SE 1	W 2	5	4	......
16..	61.64	60.33	23.7	28	77	72	NE 4	NNE 5	6	4	......	60.12	58.99	25.6	31.9	86	64	NE 1	N 2	6	7	......
17..	60.96	60.98	23.8	29.3	72	60	Calm	WSW 3	3	2	......	58.65	58.68	26.5	31.9	73	61	NE 1	N 3	3	3	......
18..	62.01	61.26	24	29.8	71	64	SSW 1	NNW 2	8	2	......	58.61	57.83	25.8	32.7	86	60	NE 3	N 1	2	2	......
19..	62.87	62.08	23.8	29.2	86	70	Calm	NNE 3	6	1	......	60.02	59.01	25.9	31.5	88	69	ENE 2	N 3	3	2	......
20..	61.92	59.90	24.5	33.2	78	54	ENE 3	NNE 1	5	3	......	60.78	59.56	25.9	32.4	88	64	NNE 2	NNE 3	8	4	......
21..	60.77	59.62	25.5	29.9	80	65	S 2	WSW 2	9	3	......	60.70	59.21	26.5	32.4	91	49	S 2	S 2	3	6	......
22..	60.44	59.60	24.7	31.7	86	62	S 1	NW 2	4	4	......	59.95	59.05	25.7	33.7	88	61	S 2	NW 2	2	3	......
23..	60.22	59.30	24.2	32.8	91	60	Calm	NW 2	3	5	......	60.87	60.18	25.5	30.9	90	67	NE 1	N 3	3	5	......
24..	60.40	59.07	24.8	31	86	62	E 1	NNW 2	9	6	......	60.71	59.52	25	33.3	83	59	ENE 2	N 1	3	4	......
25..	59.63	59.85	24.7	29.5	83	69	Calm	NNE 2	5	4	......	60.48	58.78	25.3	31.3	89	68	S 1	WSW 2	2	5	......
26..	60.76	58.38	25.7	30.1	64	59	NE 4	ENE 6	4	3	......	59.79	58.85	26.3	32.2	87	63	Calm	NNW 2	3	4	......
27..	60	59.31	25	31	61	62	SSW 1	NNW 2	7	5	......	58.76	57.15	25.5	31.5	89	68	NE 2	NNE 2	3	2	......
28..	60.91	59.69	24.6	29.9	87	67	E 1	N 3	7	2	......	58.15	57.20	25.5	34.3	93	59	E 1	W 2	5	3	......
29..	60.09	59.21	24.1	29.6	87	66	NE 4	NE 4	10	4	......	58.84	57.85	26	31.8	92	64	ENE 1	N 3	8	5	......
30..	59.06	58.19	24.3	27.5	85	73	NE 4	NE 4	9	4	0.1	59.34	58	26.1	33.2	89	60	ENE 1	N 2	7	2	......
31..	59.82	58.84	22.8	26.7	89	73	NE 4	NNE 4	10	8	......	......	......	......	......	......	......	......	......	......	......	......
Mean	61.12	60.21	23.9	29.8	80.6	64	1.5	2.4	6.5	4.1	......	59.44	58.48	25.3	31.7	86.3	64	1.7	2.3	5.8	4.3	......
Total	......	......	......	......	......	......	......	......	......	......	0.1	......	......	......	......	......	......	......	......	......	......	0

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[a] Temporarily closed from 16th to 22nd.

CAPE BOJEADOR

[ϕ=18° 31′ N; λ=120° 36′ E; barometer above sea, 93.9 meters; gravity correction not applied, −1.57 mm.]

Day.	MAY.											JUNE.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 760 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	58.45	57.59	25.7	32.5	84	62	SSW 1	SW 3	3	4	......	58.58	57.80	27.3	33.6	90	66	S 3	WNW 1	3	7	......
2..	59.79	58.45	26.8	31.4	90	70	ENE 1	NNE 3	4	3	3.8	57.39	56.61	26.6	33.3	92	69	S 1	WNW 1	8	9	......
3..	60.48	58.75	23.5	28.3	97	72	NE 4	NE 5	8	7	5.1	57.46	56.22	27.3	32.4	86	67	Calm	N 1	3	8	......
4..	60.06	58.71	24.5	29.2	88	70	NE 3	NE 4	9	9	......	57.04	56.31	26.6	34.2	88	61	E 1	NW 1	9	6	......
5..	60.42	59.87	26.1	32.4	79	64	E 2	N 2	3	3	......	57.69	57.06	27.6	34	84	70	SSE 1	W 1	8	5	0.9
6..	60.15	59.76	26.3	34	82	62	SE 1	NNW 2	2	7	......	58.53	57.46	25.5	34.4	91	65	E 1	NNW 1	9	4	.3
7..	59.30	58.58	26.6	30.6	83	80	S 3	W 2	9	9	......	59.20	57.83	27.3	31.2	86	72	SE 1	NNE 1	6	8	......
8..	58.03	58.49	26.1	33.1	89	66	SSW 1	NW 1	10	8	......	58.10	56.99	27.7	28.3	88	89	SW 1	S 1	2	9	24.9
9..	58.61	58.06	26.1	31.4	87	63	S 1	SSW 2	3	7	......	56.22	54.25	26.7	33.1	82	76	E 1	NE 2	8	8	......
10..	58.12	57.38	26.6	32.6	87	72	SSW 1	W 2	7	7	......	53.20	51.21	26.8	32.7	82	75	E 2	NE 3	7	4	......
11..	57.58	56.64	26.8	32.4	83	69	S 1	SW 2	10	9	......	51.89	52.52	28	26.5	92	84	NE 1	SW 1	9	10	9.6
12..	57.20	56.68	27.6	31.7	76	71	Calm	W 1	8	10	......	52.32	52.23	26.5	31.2	78	73	S 2	S 5	7	4	3.6
13..	57.77	57.08	27.8	34.5	77	58	Calm	NW 2	10	9	......	53.46	53.94	27	30.4	81	76	SSW 2	SW 5	9	8	15.2
14..	57.64	56.75	26.4	34.4	82	65	SW 1	NW 1	8	6	......	54.18	53.95	27	29.6	80	77	SSE 2	SSW 8	9	9	19.6
15..	56.73	56.99	27	29.5	88	77	S 2	W 2	10	10	.5	55.46	55.04	26.4	29.4	87	78	S 4	SSW 6	9	9	......
16..	56.38	56.19	25.8	34.4	85	64	WNW 1	NW 2	10	7	6.6	56.14	55.67	27.3	29	75	78	S 3	SSW 6	9	9	3.1
17..	56.08	55.91	26.7	30.3	77	77	S 1	SW 3	3	10	1.8	56.17	55.61	27.3	30	71	73	S 3	SSW 6	3	5	......
18..	55.94	54.69	26.6	29.5	74	82	S 1	SSW 3	10	10	10.2	56.22	55.64	27.1	30.5	78	78	SSE 3	SW 5	3	6	......
19..	56.29	55.53	25	25.7	88	91	S 1	S 2	10	10	13.4	56.51	55.56	26.7	32.2	76	66	S 2	W 2	8	9	......
20..	56.30	55.84	26.3	29.3	81	79	S 3	SW 3	9	10	.3	56.42	55.77	26.4	32.2	87	68	S 2	W 1	10	8	23.9
21..	58.18	57.78	26.4	32.2	82	74	S 1	SW 2	5	7	......	56.89	56.39	25.5	30.5	90	75	S 2	SW 3	5	8	7.4
22..	58.64	57.70	26.5	32	88	73	S 2	W 2	5	7	......	57.31	56.64	25	30	88	75	S 3	SW 4	7	8	......
23..	58.71	57.17	27.2	31.3	86	71	S 1	SSW 1	9	8	11.4	57.15	56.80	26.9	30.7	75	75	S 3	SSW 5	2	5	......
24..	58.11	57.92	25.1	30.6	94	77	S 2	SW 2	9	10	38.4	57.17	56.41	26.5	30.5	85	72	S 2	SW 3	4	7	......
25..	58.82	57.57	25	29.8	98	76	Calm	SW 1	10	9	16.3	56.40	55.09	26.6	30.5	81	72	S 1	SW 3	8	7	2.8
26..	57.73	56.68	25.4	29.1	95	86	E 1	W 1	10	10	10.2	54.94	53.91	26.1	31.9	82	70	SE 1	W 2	10	6	3.3
27..	56.69	55.44	25.4	30.7	92	76	SSE 1	N 1	6	9	1.8	54.62	54.45	25.4	31.8	83	69	S 2	W 2	8	5	70.6
28..	56.01	55.92	25.8	28.3	93	82	Calm	SW 1	10	10	......	57.65	57.78	25	30.7	92	70	E 1	WSW 2	3	4	......
29..	56.82	56.25	26.3	30.3	84	76	Calm	W 1	9	9	......	60.11	58.25	25.4	32	88	76	SSW 1	W 1	4	6	......
30..	57.25	56.73	26.7	32.4	88	69	Calm	WSW 1	10	9	......	58.09	56.12	26	31.5	92	72	W 1	N 1	4	5	......
31..	58.78	56.84	26.4	33	93	72	NE 1	NNE 1	10	8	......	......	......	......	......	......	......	......	......	......	......	......
Mean	57.97	57.22	26.1	31.2	86.1	72.5	1.2	2	7.7	8.1	......	56.42	55.65	26.6	31.3	84.3	72.9	1.8	2.8	6.5	6.9	......
Total	......	......	......	......	......	......	......	......	......	......	119.8	......	......	......	......	......	......	......	......	......	......	185.2

Day.	JULY.											AUGUST.										
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	55.42	53.76	25.4	30.6	86	76	E 1	N 1	9	9	......	50.21	50.33	26.5	27.8	86	90	S 5	SSW 5	10	10	11.9
2..	51.15	50.95	26.9	22.8	92	100	NW 5	SSW 3	10	10	392.1	52.69	52.92	25.4	29.2	95	84	S 4	S 5	9	7	6.8
3..	54.07	56.56	22	22	96	98	SSW 5	SSW 5	10	9	11.4	54.05	53.28	26.2	28.6	84	85	S 4	SW 4	7	9	12.4
4..	57.65	58.79	25.3	26.5	77	82	S 4	WSW 5	9	10	1	54.40	53.59	25	26.8	88	92	S 2	WSW 2	10	10	......
5..	59.13	58.77	26.7	29.8	64	79	S 3	WSW 1	10	10	......	54.44	53.42	25.2	27.5	84	81	S 4	SSW 4	10	10	29.7
6..	59.18	58.85	26	31.8	85	70	E 1	SW 2	5	4	......	52.43	52.23	24	23.3	99	99	S 2	SW 1	10	10	238.1
7..	59.73	60.01	26.5	29.3	78	79	S 1	W 1	9	9	......	46.61	46.03	23.5	25.2	99	100	SW 10	WSW 8	10	10	235.3
8..	60.04	60.13	25	31.2	78	71	Calm	N 1	4	2	......	48.60	49.46	24.4	23.9	99	100	SW 2	WSW 6	10	10	105.9
9..	59.62	58.62	24.9	32.4	75	67	NE 1	N 1	2	2	......	49.82	50.63	26.5	24.5	94	100	SW 4	S 3	10	10	23.9
10..	57.82	57.54	25	30.7	80	74	S 2	WSW 2	2	5	.5	50.63	52	24.7	25.4	94	97	S 6	S 2	10	10	17.6
11..	57.95	57.67	25	30.1	92	71	S 3	SSW 4	8	4	......	51.31	50.65	24.7	25.5	90	96	S 3	SSW 2	10	10	1.1
12..	59.39	58.91	26.4	31.1	76	75	SSE 1	W 2	2	5	......	50.91	50.57	24.7	25.2	90	96	S 3	S 4	9	10	4.9
13..	59.49	58.62	25.9	30.9	93	72	ENE 1	N 2	3	5	......	51.36	52.20	25	27.2	96	92	SSW 4	SSW 2	10	10	3.1
14..	59.14	58.25	26	32.5	88	69	ENE 1	NW 1	2	4	......	53.55	53.27	24.5	28.4	95	85	S 5	SSW 4	10	10	.3
15..	57.88	57.52	26.5	31	86	74	SE 1	W 2	8	6	......	54.21	53.43	25.3	26.5	85	86	S 4	S 5	10	10	31.5
16..	57.61	57.33	26.4	31.5	80	71	S 1	W 2	2	3	......	55.43	55.78	24.1	27.9	91	83	S 4	SSW 4	10	9	.8
17..	58.19	57.89	26.3	31.9	84	72	Calm	NW 2	7	7	......	57.09	56.22	26.1	29.5	74	78	S 4	SW 4	10	5	3.8
18..	57.98	57.36	25.4	31	82	69	E 1	N 2	4	3	......	57.12	56.12	23.5	28.7	94	83	ESE 1	SSW 2	9	9	1.5
19..	57.21	56.62	25.5	32	84	69	ENE 2	NE 4	3	3	......	57.38	57.39	25.6	30.6	79	74	Calm	W 1	10	9	15
20..	56.49	55.90	26	31.5	78	69	E 2	NE 4	7	9	......	54.93	50.06	25.5	25.5	97	100	NNE 3	NNE 9	9	10	50.3
21..	56.81	55.45	26.5	29.1	86	81	NE 2	NE 3	9	9	......	50.01	54.11	25	27	83	86	SE 2	ENE 1	10	10	.5
22..	55.86	55.16	26.7	32.3	90	73	Calm	N 1	4	7	.8	56.90	56.79	25	31.1	87	75	ENE 1	N 1	9	5	......
23..	56.17	55.45	25.4	29.7	92	77	Calm	NNW 1	10	9	......	57.73	56.89	26.3	28.7	80	78	Calm	SSW 2	6	9	......
24..	55.25	53.40	25.9	28.9	79	75	S 1	NE 5	10	9	1	55.95	53.90	24.6	29.4	91	81	S 2	SW 3	7	7	.3
25..	54.79	54.51	26.1	27.8	88	88	N 1	NW 1	10	10	17.8	51.11	50.30	25.5	27.8	94	86	SW 4	SW 5	10	10	.5
26..	54.52	54.11	25.3	29.4	85	86	E 1	W 1	10	10	.3	52.51	54.11	25.6	27.5	86	76	S 9	S 5	10	9	......
27..	52.68	50.92	25.7	28	87	92	Calm	ENE 2	4	7	14.8	56.29	56	25.1	28.5	81	77	S 3	SSW 3	9	10	10.4
28..	52.60	52.59	26	27.5	84	83	Calm	SW 1	10	10	1.8	56.68	56.74	24.5	29.5	84	68	NE 1	NNW 1	5	4	......
29..	52.75	52.27	25.2	26.2	88	92	S 2	S 3	10	9	5.9	56.93	55.58	24.8	30.4	87	72	Calm	NNE 1	3	6	9.4
30..	51.79	50.74	24	26.3	97	95	S 3	S 1	10	10	36.9	54.62	53.29	25.8	29	93	81	N 2	N 2	10	8	.8
31..	50.16	49.86	24.7	25.9	94	97	S 5	SSW 4	10	10	14.6	52.51	52.55	26.5	26.5	86	92	NW 4	W 4	10	10	1.1
Mean	56.40	55.95	25.6	29.4	84.6	78.9	1.6	2.3	6.9	7.1	......	53.50	53.22	25.1	27.5	89.2	86.2	3.3	3.4	9.1	8.9	......
Total	......	......	......	......	......	......	......	......	......	......	498.9	......	......	......	......	......	......	......	......	......	......	816.9

CAPE BOJEADOR

[ϕ=18° 31′ N; λ=120° 36′ E; barometer above sea, 93.9 meters; gravity correction not applied, 1.57 mm.]

Day.	SEPTEMBER.[a]										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	52.46	52.37	25.7	28.4	86	82	SSW 3	SSW 6	9	7	......
2..	54.36	55.46	25.1	27.5	88	80	S 5	SSW 5	4	7	0.5
3..	57.62	58.83	24.9	29.3	79	79	S 2	SSW 3	3	5	......
4..	59.63	59.55	25.4	29.5	92	79	S 2	W 2	8	4	......
5..	59.36	58.93	25.4	30	91	78	NNW 1	W 1	2	3	.5
6..	58.50	57.52	25.3	30.9	83	77	S 1	NW 2	4	9	.3
7..	56.52	56.19	25	30	93	72	E 1	NNW 2	2	4	9.9
8..	56.93	56.47	24.1	29.9	95	78	ENE 1	NNE 3	3	4	......
9..	57.18	56.90	25.1	31.5	87	72	Calm	NW 1	2	7	......
10..	57.03	56.19	25.4	31	80	67	Calm	N 2	3	6	......
11..	56.13	54.95	24	29.6	91	57	E 1	NE 3	7	8	......
12..	55.32	54.03	25	29.8	87	73	NE 3	NNE 3	8	7	......
13..	54.34	54.13	23.9	27	88	80	NE 1	NE 1	9	10	......
14..	55.80	54.82	25	29.6	83	67	NE 2	NNE 2	10	7	......
15..	56.51	55.92	24.5	29.4	76	66	E 2	ENE 2	9	9	......
16..	57.59	57.72	23.5	25.5	73	84	ENE 1	N 1	8	10	.4
17..	58.97	58.28	24	28	91	73	ENE 2	NE 4	9	8	......
18..	60.11	58.99	24.5	29.6	84	61	NNE 2	ENE 4	4	3	......
19..	60.30	58.48	24.4	28.9	76	57	NE 3	NE 4	5	5	......
20..	59.10	58.11	24.3	29.8	78	62	NE 4	NE 3	9	7	......
21..	58.68	57.80	23.6	30.9	78	65	E 3	NE 3	4	4	......
22..	59.33	57.92	24	29.3	71	64	ENE 2	NE 4	9	6	......
23..	58.81	58.34	23.5	31.9	75	64	ENE 2	NE 3	4	3	......
24..	59.12	58.61	23.6	29.6	65	67	E 3	NE 3	8	4	......
25..	59.46	58.72	25.1	32	85	65	S 1	NE 2	2	2	......
26..	60.09	58.36	25.5	31.5	78	68	S 1	N 1	2	3	......
27..	59.41	58.37	25.6	30.8	84	69	S 1	N 1	2	3	......
28..	58.88	57.93	26	30.8	84	74	S 2	WSW 2	3	5	......
29..	59.57	58.12	25.7	30.5	90	70	SSW 1	NW 2	1	2	......
30..	59	58.16	24.5	31.3	81	70	E 1	NW 1	1	3	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	57.87	57.21	24.7	29.8	83.1	70.7	1.8	2.5	5.1	5.5	......
Total	.. .	.....	....	....	....	....	....	....	....	....	11.6

Day.	OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	58.52	57.56	24	31.4	70	68	ENE 1	NNE 2	2	3	......
2..	57.90	56.25	23.4	31	86	67	ENE 1	NE 3	2	3	......
3..	57.59	56.49	24.1	30.3	84	68	ENE 2	NE 3	3	4	......
4..	57.98	57.01	24.8	30.4	77	71	ENE 1	NNW 1	8	5	2
5..	57.70	56.51	24.2	29.5	90	75	NNE 1	NNE 2	6	6	......
6..	57.50	56.68	24.5	31.4	86	67	E 1	NNE 2	3	4	......
7..	58.52	57.92	25.3	29.1	88	72	NE 4	NE 4	7	7	......
8..	58.30	56.53	24.8	29.1	83	70	NE 4	NE 4	9	8	89.9
9..	57.69	56.05	22.5	24	97	97	NNE 2	NE 3	10	10	30.7
10..	56.44	54.86	24.3	26.8	97	86	ENE 3	NE 4	10	10	......
11..	56.75	56.08	25.3	30.5	92	78	Calm	WSW 1	10	9	15.5
12..	58.93	58.91	24	29	93	83	N 1	N 1	10	10	26.9
13..	60.47	59.15	24.3	29.2	86	80	S 1	NNE 3	4	6	......
14..	58.98	57.33	24.5	28.7	74	75	E 2	ENE 4	3	4	......
15..	57.30	55.65	24.9	27.9	83	82	NE 4	NNE 3	9	9	......
16..	56.40	54.66	25.5	29.5	84	78	ENE 4	NE 2	10	8	......
17..	57.55	56.45	25.4	28.2	93	83	NNE 1	NNE 3	10	9	......
18..	57.86	56.28	24.9	27.3	92	84	ENE 2	ENE 3	8	10	26.7
19..	57.90	56.73	23.5	28.4	95	85	ENE 2	ENE 2	6	6	.1
20..	58.46	57.64	24.1	27.8	86	70	NE 1	NE 3	7	8	......
21..	59.76	58.53	24.4	28	66	74	ENE 3	ENE 3	6	4	......
22..	60.24	58.78	23.6	28.6	80	72	E 1	N 1	5	9	3.3
23..	59.86	59.28	24.5	26.5	84	88	S 1	ENE 2	4	4	4.1
24..	60.99	58.93	22.1	25.5	95	80	NE 4	NE 5	8	3	......
25..	60.01	58.28	24.5	26.8	78	76	NE 3	NE 4	5	3	......
26..	60.32	58.48	24.5	27	92	80	NE 3	NE 4	4	4	......
27..	60.19	59.58	25.6	28.7	85	78	NE 1	NW 1	5	9	......
28..	59.66	58.62	25.2	27.5	88	81	ENE 2	NE 4	4	5	......
29..	59.39	58.30	25.1	28	87	77	ENE 2	NE 4	6	4	......
30..	59.50	57.91	25.5	29.2	74	73	NE 2	NNE 3	2	3	......
31..	59.37	58.36	25.3	27.9	85	79	NE 3	NE 3	9	8	......
Mean	58.65	57.41	24.5	28.5	85.5	77.3	2	2.8	6.3	6.3	......
Total	.....	.....	....	....	....	....	....	....	....	....	199.2

Day.	NOVEMBER.										
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	59.38	58.72	24.6	27.4	82	78	ENE 3	NE 3	4	9	......
2..	59.96	59.22	24.9	28	72	80	E 2	ENE 3	9	8	......
3..	60.28	58.34	24	29.3	79	76	SE 1	NE 2	4	2	......
4..	59.58	57.67	24.6	28.6	75	75	ENE 2	ENE 4	2	2	......
5..	59.10	57.37	25.4	30.7	79	74	Calm	W 1	2	2	......
6..	58.37	57.41	25.8	30.1	87	71	S 1	W 2	1	2	......
7..	59.11	57.95	25.4	29.3	68	72	SSW 1	NE 3	2	3	......
8..	59.54	58.38	26.4	29.5	85	75	SSW 1	NNW 2	2	4	......
9..	58.52	56.89	24.9	28	83	72	E 3	NE 4	8	3	......
10..	57.97	56.88	24.9	27.4	88	81	ENE 3	NNE 4	8	8	2.8
11..	57.70	56.76	24.8	27	88	81	NE 4	NNE 4	8	8	.5
12..	58.76	57.82	23.9	26.9	89	72	ENE 3	NE 5	5	4	......
13..	59.02	58.93	24	26.2	78	66	NE 4	NE 6	7	4	......
14..	60.61	60.06	23.6	24.7	71	64	NE 5	NE 6	7	8	......
15..	60.64	58.56	23.4	25.4	64	60	NE 5	NE 7	9	8	......
16..	59.70	57.41	21.9	25.2	88	73	NE 4	NE 5	8	8	......
17..	57.94	57.43	23.8	26.3	89	86	E 4	NNE 1	9	9	4.6
18..	58.73	57.23	24.3	26.3	95	83	NNE 4	NE 5	10	6	7.9
19..	59.18	57.62	22.7	25.8	94	85	NE 6	NE 6	9	7	......
20..	58.66	57.46	23.8	25.7	90	84	NE 3	NE 4	4	7	14
21..	59.11	58.65	22.1	22.5	99	90	NNE 4	NNE 4	10	10	.8
22..	60.42	58.83	21.8	23.6	68	59	NE 5	NE 5	10	3	......
23..	59.97	59.37	22	24	66	64	NE 2	NE 3	10	10	......
24..	61.86	61.74	22.5	22.3	61	73	NE 3	NE 4	10	9	1.5
25..	61.80	60.90	20.9	22	83	78	NE 5	NE 4	8	5	1.1
26..	61.36	60.01	20.5	23.5	91	76	ENE 5	NE 4	8	6	......
27..	61.03	60.03	22	24	88	78	NE 6	NE 4	9	7	2.3
28..	60.91	61.60	22	22.5	98	97	NNE 4	NE 2	10	10	54.6
29..	61.49	59.72	22.4	24.2	92	88	E 1	ENE 5	8	8	1.8
30..	60.64	59.77	23.7	25.5	81	80	E 3	ENE 2	8	10	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	59.71	58.62	23.6	26.1	82.4	76.4	3.2	3.8	7	6.3	......
Total	.....	.....	....	....	....	....	....	....	....	....	91.9

Day.	DECEMBER.										
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	60.69	59.20	24.5	27	78	72	NE 4	NE 5	5	6	......
2..	60.70	59.40	24.1	26.1	86	79	NE 5	NE 7	8	5	......
3..	60.57	58.54	24.3	26	86	84	NE 4	NE 5	7	6	......
4..	58.56	57.13	24.8	26	81	88	ENE 4	NE 5	8	9	......
5..	57.94	55.78	24	25.7	90	88	NE 5	NE 4	10	10	......
6..	57.53	56.65	24	24.9	91	91	NE 3	NNE 3	10	10	2
7..	58.78	58.01	23.5	23.7	96	96	NNE 3	NNE 3	10	10	12.7
8..	59.15	58.62	23.2	24.5	98	92	NE 3	NE 4	10	10	3
9..	59.69	59.57	23.4	22.9	97	92	NE 4	NE 4	10	10	5.1
10..	60.92	59.47	23	25	97	84	NE 4	NE 3	8	4	......
11..	61.05	59.24	23.1	28.8	92	71	ENE 1	NNE 1	3	2	......
12..	60.03	59.38	24.8	26.1	89	87	S 1	N 3	4	6	1.5
13..	60.18	58.68	24	25.1	82	78	NNE 4	NE 4	10	5	.3
14..	59.34	57.16	22.5	24.4	77	76	NE 5	NE 5	4	3	......
15..	59.77	59.58	21.9	24.1	91	82	NE 3	NNE 4	5	8	.3
16..	60.46	59.88	20.7	22.8	94	84	NE 6	NE 5	10	4	......
17..	61.34	60.25	21.4	23	93	86	NE 5	NE 4	4	3	......
18..	62.40	61.63	21.4	23.1	94	86	NE 5	NE 4	6	4	......
19..	62.66	61.13	21.6	24.9	89	83	NE 5	NE 4	7	4	......
20..	62.10	62.11	24	24.9	70?	84	S 1	N 3	9	9	2.8
21..	63.08	62.60	21.9	22.3	96	86	NE 5	NE 6	10	7	1.3
22..	63.59	61.86	20.5	22	95	91	NE 6	NE 7	9	9	......
23..	62.55	60.68	21.5	25.6	95	82	NE 6	NE 3	8	6	......
24..	61.07	60.34	25	24.2	70?	94	NE 2	NE 2	7	7	2.3
25..	60.76	60.33	22.2	23.8	90	85	NE 3	NE 5	5	7	......
26..	60.93	58.79	21.5	25	92	81	NE 4	ENE 3	7	3	......
27..	60.74	60.02	24	26.9	79	79	S 1	NNW 1	8	8	......
28..	62.25	61.35	23.4	25	78	72	N 2	NE 3	7	7	1.5
29..	63.74	63.12	18.6	19.2	95	87	NE 8	NE 7	9	8	1.5
30..	65.60	63.59	18.2	19.4	89	71	NE 8	NE 8	6	4	.1
31..	63.18	62.26	18	22.5	66	63	ENE 1	NE 3	3	9	......
Mean	61.01	59.88	22.5	24.4	87.6	83	3.9	4.1	7.3	6.5	......
Total	.....	.....	....	....	....	....	....	....	....	....	34.4

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[a] The daily rainfall of the 6th, 0.3 mm., was omitted in the "Monthly Bulletin," page 199.

BASCO [a]

[ϕ= 20° 28′ N; λ=121° 59′ E; barometer above sea, 18.7 meters; gravity correction not applied, —1.49 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	.....	.....	24.4	25.9	81	81	SE 3	N 4	1	10	6.4
2..	.....	.....	19.8	24.5	97	89	N 4	N 4	10	10	7.1
3..	.....	.....	19.6	21.5	87	88	N 4	NE 3	10	9	16.5
4..	.....	.....	20	19.7	95	88	NE 3	NE 3	10	10	3.6
5..	.....	.....	21	21	73	77	N 4	ENE 3	8	10	......
6..	.....	.....	21.8	21.4	70	91	ENE 4	NE 3	10	10	......
7..	.....	.....	21.9	23.1	68	80	ENE 3	ENE 2	10	8	......
8..	.....	.....	23.5	27.5	62	62	ESE 3	SE 1	6	5	......
9..	.....	.....	25	28.7	71	75	SE 1	SW 2	4	4	......
10..	.....	.....	21.1	24.5	99	66	Calm	W 2	0	5	4.8
11..	.....	.....	21.2	27.1	98	82	Calm	WSW 2	7	1	......
12..	.....	.....	24.6	26.7	80	81	W 3	W 3	5	6	......
13..	.....	.....	22.6	22.8	89	83	N 2	NE 2	9	7	3.8
14..	.....	.....	23	25	83	79	ENE 2	ENE 2	10	6	......
15..	.....	.....	23.2	27.4	90	82	ESE 1	ESE 2	2	4	......
16..	.....	.....	23.6	22	95	98	SE 1	NE 1	10	10	10.5
17..	.....	.....	21.5	27.1	94	82	Calm	E 2	2	3	......
18..	.....	.....	20.8	25.2	98	77	Calm	Calm	2	9	21.6
19..	.....	.....	22.2	21.3	86	88	ENE 2	NE 3	5	9	12.2
20..	.....	.....	19.2	21	83	79	NNE 4	NE 3	10	2	......
21..	.....	.....	20.6	23.2	80	75	NE 2	ESE 2	10	10	......
22..	.....	.....	24	23	96	92	Calm	NE 3	7	4	22.4
23..	.....	.....	20.6	26	95	81	NE 1	SE 2	9	4	......
24..	.....	.....	23.5	27.8	87	74	SE 2	SE 2	4	2	......
25..	.....	.....	16.8	23.5	99	85	Calm	SW 1	1	4	......
26..	.....	.....	21.5	26	88	88	NE 1	ESE 2	3	6	......
27..	.....	.....	19.5	26.1	99	79	Calm	SE 2	1	4	10.4
28..	.....	.....	21.7	22.2	95	93	NNE 4	NE 3	10	8	5.3
29..	.....	.....	21.3	22.2	97	89	NNE 3	NE 3	7	10	......
30..	.....	.....	22.5	23	96	96	E 2	E 2	1	10	......
31..	.....	.....	18	20	95	93	Calm	Calm	2	10	......
Mean	.....	.....	21.6	24.1	87.9	83	1.9	2.2	6	6.8	......
Total	.....	.....	....	....	....	....	....	....	....	....	124.6

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	.....	.....	21.7	23.5	96	83	NE 3	NE 1	6	10	2
2..	.....	.....	22.5	26	91	92	NE 2	NNE 4	10	10	9.7
3..	.....	.....	21.8	24	98	87	N 4	NNE 4	10	10	12.7
4..	.....	.....	19.5	18.8	86	80	NE 3	NE 3	10	10	6.4
5..	.....	.....	18.4	20	60	60	NNE 4	NE 3	10	4	......
6..	.....	.....	19.9	22.3	60	61	NE 3	ENE 3	7	9	7.1
7..	.....	.....	22.4	26	88	80	E by S 3	ESE 3	9	5	......
8..	.....	.....	24	28.1	91	84	ESE 2	ESE 2	3	3	19.6
9..	.....	.....	21.4	24	83	81	N 2	NE 2	9	6	1.5
10..	.....	.....	21.6	23.8	95	82	NE 2	NE 3	4	4	22.9
11..	.....	.....	20.1	22.2	94	91	NE 1	NE 2	10	10	5.4
12..	.....	.....	22	27	96	80	NE 2	SE 2	10	3	......
13..	.....	.....	24	25.3	87	85	Calm	SE 2	4	2	.8
14..	.....	.....	22.3	23.1	92	91	NE 3	NE 3	10	10	2.6
15..	.....	.....	22.2	21.6	96	96	Calm	Calm	10	10	24.1
16..	.....	.....	20.5	21.9	95	92	Calm	NE 3	7	6	......
17..	.....	.....	21.8	22.8	84	70	NE 3	ENE 2	6	4	......
18..	.....	.....	15.6	21.8	98	75	Calm	NE 2	1	6	......
19..	.....	.....	17.6	23.5	99	65	Calm	E 2	2	6	......
20..	.....	.....	21.2	24.5	98	75	ENE 2	E 2	6	7	......
21..	.....	.....	25?	25.5	88?	92	SW 3	WSW 3	5	4	15.2
22..	.....	.....	22.6	27.2	95	81	W 2	WSW 2	6	1	......
23..	.....	.....	19.8	28	98	82	Calm	W 1	1	2	......
24..	.....	.....	23.5	27.8	87	74	SE 2	SE 2	4	2	......
25..	.....	.....	16.8	25.5	99	71	Calm	SW 1	5	4	......
26..	.....	.....	21.5	26	88	88	NE 1	ESE 2	3	6	......
27..	.....	.....	19.5	26.1	99	79	Calm	SE 2	1	4	10.4
28..	.....	.....	21.7	23.4	95	78	NNE 4	NE 4	10	7	......
29..	.....	.....	....	....	....	....	....	....	....	....	......
30..	.....	.....	....	....	....	....	....	....	....	....	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	.....	.....	21.1	24.3	90.6	80.5	1.8	2.3	6.4	5.9	......
Total	.....	.....	....	....	....	....	....	....	....	....	140.4

MARCH. [b]

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	.....	.....	....	....	....	....	....	....	....	....	......
2..	.....	.....	....	....	....	....	....	....	....	....	......
3..	.....	.....	....	....	....	....	....	....	....	....	......
4..	.....	.....	....	....	....	....	....	....	....	....	......
5..	.....	.....	....	....	....	....	....	....	....	....	......
6..	.....	.....	....	....	....	....	....	....	....	....	......
7..	.....	.....	....	....	....	....	....	....	....	....	......
8..	.....	.....	....	....	....	....	....	....	....	....	......
9..	.....	.....	....	....	....	....	....	....	....	....	......
10..	.....	.....	....	....	....	....	....	....	....	....	......
11..	.....	.....	....	....	....	....	....	....	....	....	......
12..	.....	.....	....	....	....	....	....	....	....	....	......
13..	.....	.....	....	....	....	....	....	....	....	....	......
14..	.....	.....	....	....	....	....	....	....	....	....	......
15..	.....	.....	....	....	....	....	....	....	....	....	......
16..	.....	.....	....	....	....	....	....	....	....	....	......
17..	.....	.....	....	....	....	....	....	....	....	....	......
18..	.....	.....	....	....	....	....	....	....	....	....	......
19..	.....	.....	....	....	....	....	....	....	....	....	......
20..	.....	.....	....	....	....	....	....	....	....	....	......
21..	.....	.....	....	....	....	....	....	....	....	....	......
22..	.....	.....	....	....	....	....	....	....	....	....	......
23..	.....	.....	....	....	....	....	....	....	....	....	......
24..	.....	.....	....	....	....	....	....	....	....	....	......
25..	.....	.....	....	....	....	....	....	....	....	....	......
26..	.....	.....	....	....	....	....	....	....	....	....	......
27..	.....	.....	....	....	....	....	....	....	....	....	......
28..	.....	.....	....	....	....	....	....	....	....	....	......
29..	.....	.....	....	....	....	....	....	....	....	....	......
30..	.....	.....	....	....	....	....	....	....	....	....	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	.....	.....	....	....	....	....	....	....	....	....	......
Total	.....	.....	....	....	....	....	....	....	....	....	......

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	60.22	60.31	22.2	24.9	94	92	N 1	NE 3	10	9	1.1
2..	61.57	61.78	22.4	25.4	93	95	N 1	N 1	4	9	......
3..	60.60	58.80	23	28.4	96	88	Calm	S 1	9	10	.3
4..	59.69	59.97	22.9	24.2	97	94	NNE 1	N 2	9	10	......
5..	60.60	60	23.4	25.8	98	95	N 1	N 1	10	10	4.6
6..	61.67	61.95	22.3	24.5	97	96	ENE 1	E 1	10	8	.1
7..	61.22	60.30	23.7	26.7	95	92	E 1	E 1	10	9	5.1
8..	58.83	58.21	24.7	28.9	98	81	Calm	SE 1	10	7	......
9..	58.03	57.25	25.5	30.8	95	76	SSE 1	S 1	10	5	.8
10..	57.41	57.33	24.2	30	98	80	Calm	E 1	10	5	......
11..	58.27	58.33	24.1	28	96	77	Calm	N 1	6	5	12.7
12..	58.56	57.51	23.9	27	96	84	Calm	E 2	10	10	.5
13..	57.16	57.93	25.9	30.4	93	81	Calm	W 1	3	2	......
14..	57.72?	59.17?	26.4	25	89	93	E 1	N 2	10	10	2.8
15..	58.82	58.79	25.9	31.1	93	74	E 1	Calm	8	7	......
16..	59.68	58.98	25.2	31.4	98	75	Calm	SSE 1	10	2	......
17..	58.45	58.50	24.1	30.7	92	80	Calm	S 1	10	1	......
18..	58.82	58.53	24.2	30.3	95	80	NNE 1	S 1	3	3	......
19..	59.67	59.93	25.7	31.7	93	80	E 1	S 1	6	3	......
20..	61.06	61.25	23	30.2	98	84	Calm	E 1	5	4	......
21..	60.68	59.52	25.9	30.8	94	86	S 1	SSE 1	2	1	......
22..	59.24	58.73	25.8	31	95	85	S 1	SE 1	0	6	......
23..	60.21	60.34	22.2	30.4	98	71	Calm	E 1	2	8	......
24..	61.02	60.65	22.3	30.4	97	70	Calm	E 1	1	2	5.1
25..	61.03	59.27	25.9	31.4	86	66	S 1	S 1	1	1	......
26..	58.66	59	24.6	31.1	96	73	Calm	NW 1	1	3	......
27..	58.82	57.91	23.4	28.5	98	88	Calm	NE 1	0	9	......
28..	57.83	57.07	24.1	32.3	98	72	Calm	SE 1	1	4	......
29..	57.92	57.95	24.1	30.7	97	87	Calm	S 1	1	3	......
30..	58.91	58.81	26.6	31.4	90	65	E 1	E 1	10	5	......
31..	.....	.....	....	....	....	....	....	....	....	....	......
Mean	59.41	59.14	24.3	29.1	95.1	82	0.5	1.1	6.1	5.7	......
Total	.....	.....	....	....	....	....	....	....	....	....	33.1

[a] The barometric readings of this station are too low by about 1 mm.

[b] Station temporarily closed during this month.

BASCO

[φ=20° 28′ N; λ=121° 59′ E; barometer above sea, 18.7 meters; gravity correction not applied, —1.49 mm.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	57.49?	58.17	26.4	32.5	82	....	E 1	SE 1	2	1	......
2..	59.10?	59.10	23	30.7	97	....	Calm	W 1	0	8	1.3
3..	62.22	62.20	22.6	23.6?	92	....	E 1	N 2	10	9	......
4..	61.65	61.53	23.4	27	91	....	NE 1	NW 1	5	5	......
5..	61.59	61.40	24.6	25.8	98	....	NE 1	N 1	10	10	53.6
6..	61.06	60.75	25.8	30.4	98	....	NE 1	E 1	5	4	......
7..	59.62	59	26.3	30.9	95	....	E 1	E 1	10	3	......
8..	58.01	58.67	26.6	31.6	98	....	E 1	E 1	10	7	......
9..	59	58.60	26.6	31.1	86	....	E 1	E 1	10	8	......
10..	57.87	57.52	26.8	31.8	94	....	E 2	E 1	9	9	......
11..	56.64	56.43	26.7	31.1	94	....	S 1	SW 1	9	8	......
12..	56.83	56.73	26.7	31.8	95	....	E 1	E 1	5	10	......
13..	57.25	57.23	23.6	30.6	98	....	Calm	Calm	7	8	......
14..	56.87	56.36	24	31	96	....	Calm	E 1	0	10	34.3
15..	56.27	56.20	24.5	27.4	92	....	S 1	W 2	10	10	8.3
16..	56.50	56.61	25	27.5	92	....	NE 1	Calm	10	10	77.2
17..	55.91	55.91	25.4	26.1	96	....	Calm	Calm	10	10	5.1
18..	54.93	54.82	25.5	29	92	....	Calm	SE 1	8	10	32
19..	55.87	54.97	25.6	29.3	95	....	Calm	S 1	10	10	2
20..	55.62	55.85	26.4	30.2	88	....	Calm	SSW 2	10	10	......
21..	57.23	57.67	27.5	30.9	94	....	S 2	S 1	4	2	......
22..	57.49	57.93	27.7	29.3	95	....	SW 2	NW 2	8	10	3.8
23..	58.28	57.10	24.9	29.5	97	....	NE 1	SSE 1	10	9	2.8
24..	57.12	57.02	25.1	26.8	98	....	Calm	Calm	9	10	14.3
25..	57.67	57.35	25.3	29.4	93	....	NW 1	NE 1	10	10	......
26..	56.87	56.35	25.9	29.8	91	....	Calm	WNW 1	10	2	......
27..	56.32	56	25.3	27.6	94	....	NE 1	Calm	10	10	12.2
28..	56.02	55.76	25.2	27.8	94	....	Calm	NE 1	10	10	125.3
29..	56.27	56.77	25.1	29.7	98	....	Calm	Calm	10	10	2.8
30..	57.50	57.68	25.8	29.1	94	....	Calm	S 1	10	10	......
31..	58.74	58.71	26.3	29.6	93	....	Calm	Calm	3	8	6.9
Mean	57.74	57.63	25.5	29.3	93.9	....	0.7	0.9	7.9	8.1	......
Total	....	....	....	....	....	....	....	....	....	....	381.9

JUNE.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	58.65	58.25	27.1	31.5	87	....	E 1	E 1	5	4	0.9
2..	57.43	56.95	27.2	31.3	89	....	E 1	S 1	8	10	......
3..	56.54	55.81	27	30.8	93	....	Calm	S 1	10	9	......
4..	56.40	55.83	24.5	30.9	96	....	Calm	SW 1	10	3	......
5..	56.93	56.87	26.5	31.3	95	....	Calm	S 1	2	4	......
6..	58.16	57.58	26.9	32.7	97	....	Calm	Calm	7	3	......
7..	58.90	58.16	27.8	32.3	93	....	SE 1	E 1	10	9	......
8..	58.53	57.64	27.8	32.3	92	....	E 1	E 1	3	5	......
9..	56.73	56.06	27.5	32.3	93	....	NE 1	E 1	8	9	1.8
10..	54.75	54.41	28	31.3	94	....	SE 1	SE 1	7	5	1.3
11..	53.73	52.49	28.3	32.2	93	....	SSE 2	SE 3	10	5	1.5
12..	52.40	52.81	28.3	32.2	83	....	SE 2	SE 1	4	1	19.8
13..	52.93	53.68	27.7	31.3	91	....	SW 2	SW 2	6	7	.1
14..	54.12	53.54	26.7	31.7	93	....	Calm	SW 1	10	10	......
15..	54.78	54.11	28.4	31.3	86	....	SW 2	SW 2	10	10	......
16..	55.05	55.13	28	29.4	82	....	S 1	SW 2	0	8	......
17..	56.05	55.38	27.6	31.4	87	....	Calm	SSW 2	3	7	......
18..	55.40	55.25	27.6	31.1	91	....	SE 1	SW 2	4	2	......
19..	55.54	55.33	57.8	31.3	91	....	S 2	S 1	10	10	......
20..	55.95	55.68	25.4	32.7	98	....	Calm	E 1	10	4	......
21..	55.98	56.40	26.6	29.3	93	....	E 1	SW 1	4	10	1.9
22..	56.44	56.06	28	30.7	93	....	SSW 2	S 2	5	8	......
23..	56.04	56.14	28.2	29.6	80	....	S 1	SW 2	9	9	......
24..	56.03	55.88	28.3	30.4	83	....	SW 2	SW 2	10	7	......
25..	55.33	54.83	28	31.1	85	....	E 1	SW 1	10	10	......
26..	54.10	54.08	25	32	98	....	Calm	N 1	10	9	2.3
27..	53.23	54.58	27.7	32.2	88	....	S 1	S 1	10	5	2.8
28..	57.57	57.60	25.4	32.7	93	....	Calm	E 1	2	8	......
29..	59.29	57.83	27	31.7	94	....	Calm	SE 1	2	2	......
30..	57.57	55.81	24	31.1	98	....	NE 1	S 1	10	1	......
31..	....	....	....	....	....	....	....	....	....	....	......
Mean	56.02	55.67	27.1	31.4	91	....	0.9	1.3	7	6.5	......
Total	....	....	....	....	....	....	....	....	....	....	32.4

JULY.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	54.92	53.02	23.4	31.3	97	....	Calm	N 1	10	4	9.9
2..	49.07	45.54	26.8	29.1	98	....	N 2	N 2	9	10	72.7
3..	51.99	55.13	24.4	22.6	84	....	SE 5	S 1	10	10	4.8
4..	56.95	58	26.1	29.2	89	....	E 1	SE 1	10	10	......
5..	59.15	58.90	27	30.9	87	....	SE 1	SSE 1	10	10	......
6..	58.86	58.75	26.5	30.4	88	....	E 1	Calm	5	3	......
7..	58.95	58.80	24.6	25.1	95	....	Calm	Calm	2	10	12.2
8..	59.12	59.44	26.6	30.5	94	....	SSE 1	S 1	8	3	......
9..	58.65	57.67	27	30.3	94	....	WNW 1	SW 1	2	0	......
10..	56.44	56.36	27.4	30	94	....	SW 1	SSW 1	4	5	......
11..	56.68	56.95	27.9	30	85	....	SSW 1	SSW 1	7	4	......
12..	58.67	58.33	25.5	31.5	97	....	Calm	SSW 1	6	10	......
13..	58.85	57.25?	24.6	31.7	97	....	Calm	S 1	1	6	1.3
14..	58	57.25	26.9	30.8	90	....	WNW 1	WNW 1	3	9	......
15..	56.34	56.32	27.3	31.4	87	71	Calm	NW .1	2	8	......
16..	56.20	56.43	27.6	31	83	72	WNW 1	W 1	6	5	......
17..	56.79	57.22	26.4	31.8	90	72	Calm	NW 1	5	7	......
18..	57.55	57.42	23.8	31.5	97	78	Calm	NW 1	0	6	......
19..	57.51	57.11	24.9	31.6	94	73	Calm	NE 1	1	4	1.3
20..	57.40	57.15	25.4	32	95	75	Calm	NNE 1	9	6	......
21..	57.15	56.69	28.4	30.3	80	77	NE 1	NE 1	10	9	8.6
22..	56.60	56.44	27.5	31.8	89	72	N 1	N 1	8	9	2.3
23..	56.39	55.99	27.3	32.5	87	69	Calm	ESE 1	8	9	.9
24..	56.08	55.94	27.3	30.2	91	74	NE 1	NE 1	10	10	12.2
25..	56.47	55.99	25.7	28.9	94	83	ESE 1	S 1	10	10	24.5
26..	55.41	54.60	27.5	26.5	89	90	SE 1	Calm	10	10	9.7
27..	53.19	52.34	28	31.3	81	75	N 1	NE 1	10	10	......
28..	52.45	52.18	25.5	30.9	94	76	Calm	NNE 1	10	10	......
29..	51.77	51.05	26.6	30.8	92	76	Calm	WNW 2	8	9	1.3
30..	50.02	49.16	27.4	28.6	88	85	NW 1	WSW 2	10	8	2.7
31..	48.58	48.77	27.3	28.9	88	82	SW 3	SW 3	2	10	1.3
Mean	55.88	55.55	26.4	30.1	90.6	76.5	0.8	1.1	6.6	7.5	......
Total	....	....	....	....	....	....	....	....	....	....	.165.7

AUGUST.

Day.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	mm.	°C.	°C.	P.ct.	P.ct.			0–10	0–10	mm.
1..	49.85	50.50	28.5	28.6	89	93	SSW 2	SW 2	4	10	3.8
2..	51.99	52.32	28.4	31.2	89	80	S 1	SSW 2	10	3	......
3..	53.16	52.80	28	30.4	95	85	SSW 1	SSW 1	10	10	......
4..	53.35	52.60	27.2	31.8	95	79	NW 1	SW 1	10	3	..
5..	53.22	51.57	28	28.3	95	93	W 1	NW 1	10	10	42.7
6..	49.23	45.86	24.4	28.9	97	89	N 2	NNE 2	10	10	6.5
7..	40.04	42.54	24.9	25.1	96	96	ENE 8	ESE 3	10	10	195.6
8..	38.36	42.49	26.4	26.9	95	92	NE 3	NW 2	10	10	21.3
9..	46.70	48.88	26.7	26.8	91	97	SSW 3	SW 1	10	10	3.8
10..	51.52	51.16	27	28.4	96	95	Calm	SSW 1	10	10	4.3
11..	50.17	48.71	26.4	28.4	95	85	NW 1	NW 1	10	10	18.6
12..	48.59	48.50	27.4	29.3	98	93	NW 1	NW 1	10	10	......
13..	47.80	48.11	27.9	29.1	95	90	S 1	WNW 2	10	10	1
14..	51.65	51.58	27.1	29.7	95	82	SSW 2	S 1	10	10	......
15..	53	52.24	27.8	28.9	87	83	S 1	SW 1	7	10	......
16..	54.66	54.94	27.5	27.9	87	82	SSE 1	SSE 1	10	10	......
17..	56.57	56.13	27.4	29.9	91	77	S 1	SSE 1	10	4	3.5
18..	56.92	55.93	27	30.4	87	76	SE 1	E 1	9	5	3.6
19..	57.35	57.42	27.1	30.1	90	84	N 1	NNE 1	5	5	1.8
20..	56.45	54.18	27.7	26.8	84	87	NE 2	NNE 3	9	10	110.3
21..	55.10	55.40	27.7	29.9	85	77	SE 1	NE 2	10	10	2.1
22..	57.36	56.78	27.7	31.1	87	75	S 1	SSE 1	9	2	5.1
23..	57.14	56.30	26.2	29.3	90	81	NE 1	NW 1	6	10	10.4
24..	53.55	50.21	27.4	26.2	84	97	NNW 1	WNW 2	8	10	81.3
25..	44.10	41.90	27.1	25.4	94	98	W 2	S 8	10	10	59.7
26..	51.91	53.69	28.1	29	87	86	SSE 1	SSE 1	10	10	......
27..	56.11	55.79	27	29.9	90	70	S 1	ESE 1	10	9	.5
28..	56.60	56.63	26.7	30.9	83	74	S 1	SE 1	10	7	2.3
29..	56.62	55.45	26.2	29.6	84	78	NE 1	N 1	6	10	7.6
30..	54.10	51.90	26.9	29.4	88	80	N 2	NE 1	9	9	49.5
31..	48.58	46.64	25.8	27.4	89	82	NNW 2	WNW 2	10	10	21.3
Mean	51.99	51.59	27.1	28.9	90.6	85	1.5	1.6	9.1	8.6	......
Total	....	....	....	....	....	....	....	....	....	....	656.6

BASCO

[ϕ=20° 28′ N; λ=121° 59′ E; barometer above sea, 18.7 meters; gravity correction not applied, —1.49 mm.]

Day.	SEPTEMBER.											OCTOBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	47.47	48.94	27.1	26.4	91	92	SW 2	SSW 2	10	10	11.5	59.13	57.93	23.3	29.6	90	78	ENE 1	NW 1	0	5	0.9
2..	52.93	54.50	25.4	28.2	93	86	S 2	S 2	10	10	22.1	57.88	56.54	26.3	28.2	84	76	N 1	NE 1	9	3	.5
3..	57.32	58.22	26.8	29.2	84	82	SSE 1	S 1	4	6	......	57.41	56.29	25.3	29.5	77	78	N 1	NNW 1	10	10	.5
4..	59.37	58.58	26.9	29	90	83	SSE 1	W 1	10	10	......	56.72	56.23	25.6	30.2	82	64	N 1	W 1	9	3	.5
5..	57.32	57.60	27	28.9	91	77	Calm	SE 1	10	10	......	57.05	56.42	25.3	25.6	86	91	NE 1	NE 1	10	10	52
6..	57.17	56.31	27	28.5	96	78	Calm	WNW 1	10	8	......	58.11	58.02	24.4	24.5	89	93	S 1	N 1	9	10	9.2
7..	55.83	55.73	25.6	28.9	93	78	Calm	NW 1	10	8	1	59.77	59.72	24.4	27	81	75	NE 1	N 1	1	10	......
8..	56.55	56.69	26.3	28.6	94	83	Calm	N 1	10	10	1.3	59.32	58.49	25.2	29.4	78	72	E 1	E 1	3	9	7.9
9..	57.32	57.07	26.2	31	90	76	Calm	SSE 1	1	8	......	58.73	58.48	25.1	24	80	91	NE 1	NE 1	10	10	104.4
10..	57.46	56.68	25.9	30.2	85	74	NE 1	N 1	1	4	2.5	57.90	57.75	24.4	26.6	90	87	Calm	N 1	10	10	13.2
11..	56.60	55.73	25.4	29.7	93	70	Calm	NW 1	3	1	......	58.06	58.43	26.4	28.3	93	88	S 1	W 1	10	9	14.6
12..	55.43	54.25	26.1	30	85	77	NE 1	ENE 1	2	10	.5	58.87	59.61	26.6	28.3	91	88	SE 1	N 1	10	10	30.5
13..	54.03	53.46	26.2	28.5	87	70	N 1	NE 1	10	10	3	60.46	60.04	25.5	29.9	96	75	S 1	SSE 1	10	3	1.5
14..	56.11	55.50	25.8	29.2	78	64	NE 1	ENE 1	9	10	......	60.41	58.88	25	28.3	88	77	Calm	NE 1	7	7	1.3
15..	57.50	56.87	22.4	28.2	88	86	Calm	SE 1	1	8	......	59.18	57.57	24.7	30.4	87	69	N 1	N 1	3	2	1.3
16..	58.85	58.65	23.2	27.1	88	75	NE 1	WNW 1	2	7	......	58.36	56.68	26.4	30	88	71	NE 1	NNE 1	10	10	......
17..	60.67	60.45	25.[illegible]	28	76	71	Calm	N 1	10	10	......	57.95	57.05	24.9	27.4	92	81	Calm	N 1	10	10	30.2
18..	61.74	61.08	25.1	28.7	75	69	N 1	N 1	9	8	......	58.28	56.97	24.6	28.4	95	75	E 1	E 1	10	8	3.5
19..	62.20	60.64	24.4	28.3	85	60	SE 1	NNE 1	8	4	......	58.01	57.25	25.9	29.9	83	75	N 1	NE 1	8	2	.5
20..	60.38	58.96	23.2	28.2	81	58	N 1	Calm	10	10	......	59.35	59.50	24.8	25.9	81	67	E 1	NNE 1	10	10	.9
21..	59.89	59.82	21.4	23.3	90	93	Calm	Calm	2	10	5.5	61.22	60.61	24.2	24.6	79	75	NE 1	NNE 1	10	10	11.7
22..	60.62	59.59	22.8	28.3	76	66	Calm	NW 1	5	2	......	61.11	59.86	24	27.7	81	71	N 1	NNE 1	10	9	12.2
23..	60.05	59.56	25	29.4	82	72	N 1	ESE 1	7	9	......	61.17	60.49	23.1	22.8	96	97	NNE 1	NNE 1	10	10	52.8
24..	59.88	59.69	25.6	30.4	87	72	N 1	E 1	9	8	......	62.50	60.55	22.6	26.2	83	72	N 1	N 1	10	4	.8
25..	60.60	60.12	26.2	30.2	89	74	NE 1	E 1	8	10	......	61.12	59.67	24	28.4	85	69	NE 1	NNE 1	6	3	.8
26..	61.04	59.65	25.9	31	88	69	N 1	NE 1	4	2	......	61.66	60.20	24.1	26.4	89	84	Calm	N 1	9	8	29.8
27..	60.16	59.12	25	31.2	90	71	Calm	SE 1	2	1	......	61.11	60.36	24.4	29.8	97	75	N 1	W 1	10	8	37.1
28..	59.36	58.07	26.2	31	82	70	E 1	E 1	1	1	......	61	60.26	24.3	28.2	94	79	N 1	NE 1	10	6	2.4
29..	59.29	57.85	26.7	31.3	85	71	S 1	S 1	6	3	.3	60.92	60.34	24.2	27.5	94	82	Calm	NE 1	8	8	1
30..	59.66	58.32	26.4	30	84	73	SE 1	E 1	5	5	......	61.67	60.10	24.6	30.5	92	75	N 1	W 1	5	3	4.8
31..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	61.18	60.29	25.8	26.6	92	92	E 1	NNE 1	9	10	5.3
Mean	58.09	57.59	25.4	29	86.5	74.7	0.7	1	6.3	7.1	......	59.54	58.73	24.8	27.7	87.5	78.8	0.8	1	8.3	7.4	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	47.7	.....	.....	.....	.....	.....	.....	....	....	....	....	432.1

Day.	NOVEMBER.											DECEMBER.										
	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Relative humidity.		Wind, direction and force (0-12).		Cloudiness.		Rain in 24 hours beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*			*0–10*	*0–10*	*mm.*
1..	61.34	61.02	24.2	25	97	92	N 1	N 1	10	10	5.8	64.07	62.34	23.7	24.4	97	88	NE 1	NE 2	10	10	5.6
2..	61.14	60.49	25.4	28.8	86	83	NNE 1	N 1	10	10	.3	63.84	62.80	23.7	26.4	81	66	ENE 1	ENE 1	8	3	.3
3..	61.64	60.30	25	30.3	96	78	NE 1	N 1	9	8	3.6	62.29	59.60	24.4	27.1	85	79	NE 1	NNE 1	10	6	9.2
4..	61.53	60.17	25	30.9	96	67	NE 1	E 1	9	1	.3	60.90	58.97	24.2	25	92	88	N 1	NE 1	10	10	22.6
5..	60.05	59	25.1	29.6	97	81	N 1	E 1	10	7	......	59.91	58.23	24.2	24.3	91	95	NE 1	NE 1	10	10	76.7
6..	59.32	58.94	25.4	30.8	97	76	N 1	NW 1	5	2	......	58.74	57.41	23.2	22.4	97	96	NE 1	NNE 2	10	10	109.2
7..	60.77	60	24.4	29.5	88	79	NNW 1	NE 1	1	6	......	59.14	58.19	22.3	22.3	92	94	NE 4	N 3	10	10	81.2
8..	60.28	58.98	24.4	30	94	78	Calm	NW 1	1	1	......	60.18	59.79	21.3	22.6	95	90	N 2	NE 1	10	10	30.5
9..	59.81	58.42	24.4	27.5	88	76	NE 1	NE 1	1	9	.3	61.16	61.85	21.1	22.7	97	84	N 2	NE 1	10	10	12.7
10..	58.57	57.50	25	28	93	79	NE 1	N 1	10	5	7.4	63.12	62.41	22.1	21.6	92	97	NE 2	N 1	10	10	41.9
11..	58.13	57.37	24.4	26.8	97	81	N 1	NE 1	8	8	2.3	62.17	61.17	23.1	26.1	92	83	N 1	E 1	10	10	4.3
12..	59.11	59.37	24.3	24.9	83	78	N 1	NNE 1	5	10	.8	60.39	59.92	24	23.8	92	82	Calm	NNE 1	10	10	6.4
13..	60.39	60.65	23	25.8	81	72	NE 1	NNE 1	10	4	1.8	60.73	60.03	22.4	23.7	83	71	NE 1	N 1	5	4	......
14..	62.83	62.30	22.6	25	66	68	N 1	N 1	10	8	1.3	61.23	59.54	21.2	23.8	72	62	NNE 1	NE 1	9	3	......
15..	62.72	60.79	23.2	24.1	68	78	NE 2	NE 1	9	7	1.3	60.77	60.37	21.9	22.8	73	76	ENE 1	NE 1	9	10	3.8
16..	60.56	59.45	23.6	26.4	78	75	N 1	NE 1	10	10	......	62.10	62.26	20.2	21.2	78	71	NNE 1	NE 1	8	10	1.3
17..	58.84	57.55	24.9	26.4	84	86	NNE 1	NNE 1	10	8	29.7	63.38	62.71	21.3	23	76	79	NE 1	Calm	10	10	......
18..	60.38	59.59	22.9	22.6	96	97	NE 1	NE 2	10	10	31.2	64.06	63.48	21.2	24.4	74	62	NE 1	NNE 1	3	2	2.8
19..	61.61	60.59	24	24.7	87	86	NE 1	NNE 1	10	10	21.5	64.94	64.16	20.4	20.9	91	90	N 1	NE 1	9	10	29.5
20..	60.97	59.13	22.8	23.9	97	96	N 2	NE 2	10	10	55.9	63.52	62.35	21.2	22.6	95	93	Calm	N 1	10	10	28.1
21..	59.58	59.72	22	22.4	91	82	NE 3	NNE 2	10	10	.8	64.52	65.83	21.1	21.4	66	69	N 2	NNE 3	10	7	.3
22..	62.28	61.20	20.2	22	81	70	NE 2	NNE 1	6	9	.5	66.33	66.03	21.6	19.8	65	89	NE 2	N 3	9	10	17.7
23..	60.24	60.54	21.5	25.9	75	64	N 2	NNE 3	8	2	......	65.34	63.47	20.9	23.5	92	82	NE 2	NNE 2	10	10	4.1
24..	63.17	63.10	22.2	23.1	71	78	N 2	NE 3	10	8	4.1	62.31	61.08	22.3	23.6	90	81	N 1	NE 1	10	9	4.4
25..	64.15	63.07	20.3	22.3	74	69	N 2	N 2	10	6	1	62.26	62.02	22	21.9	79	79	ENE 1	NNW 1	10	10	5.2
26..	63.42	62.90	21.6	23.3	77	76	N 1	N 2	6	9	.8	63.33	61.82	21	23.1	73	74	E 1	Calm	9	10	.5
27..	63.12	62.22	22.9	25.8	79	70	NE 1	NNE 2	8	5	......	60.97	60.04	23.2	27.1	84	75	NNW 1	NNE 1	10	7	1.8
28..	63.22	62.81	24.1	24.4	82	82	NNE 2	N 2	10	10	10.7	62.06	62.87	23.1	21.4	90	80	NE 1	N 2	5	10	1.8
29..	64.07	62.79	22.6	24.7	88	86	NE 1	NNE 2	10	10	4.8	66.58	66.49	18	18.6	65	60	N 2	N 3	10	10	......
30..	63.36	62.08	25	27	89	84	NNE 1	N 1	10	10	.5	68.45	67.93	16.8	17.5	62	56	NE 3	N 1	4	10	......
31..	.....	.....	.....	.....	.....	.....	....	....	....	....	......	67.10	65.34	17	21.1	72	69	N 1	NE 1	9	7	.3
Mean	61.22	60.40	23.5	26.1	85.9	78.9	1.3	1.4	8.2	7.4	......	62.77	61.95	21.7	22.9	83.3	79.4	1.3	1.3	8.9	8.6	......
Total	.....	.....	.....	.....	.....	.....	....	....	....	....	186.7	.....	.....	.....	.....	.....	.....	....	....	....	....	502.2

ANNUAL SUMMARIES FOR FIRST AND SECOND CLASS STATIONS, 1919

ZAMBOANGA

Month.	Pressure (mean).	Temperature.					Relative humidity (mean).	Rainfall.			Cloudiness (mean).	Wind.											
		Mean.	Maximum.	Date.	Minimum.	Date.		Total.	Maximum in 24 hours.	Date.		Number of winds from six daily observations.									Total monthly velocity.	Average daily velocity.[a]	Average hourly velocity.
												N, NNE.	NE, ENE.	E, ESE.	SE, SSE.	S, SSW.	SW, WSW.	W, WNW.	NW, NNW.	Calm.			
	mm.	°*C.*	°*C.*		°*C.*		*P.ct.*	*mm.*	*mm.*		*0-10*										*Km.*	*Km.*	*Km.*
January	760.54	25.9	33	6, 26	20.4	17	78.1	17.8	5.3	22	4.8	30	29	20	8	6	16	37	8	32	5,784.7	186.6	7.8
February	60.33	26.1	33.1	7, 13	21.9	25	81.3	25.2	8.1	5	5.1	27	16	15	11	4	13	44	8	30	[b] 5,948	212.4	8.8
March	59.81	26.1	33.1	25	22	19	83.7	98.3	74.8	18	5.3	11	20	9	17	3	14	54	19	39	[c] 6,330.9	204.2	8.5
April	58.81	26.3	32.3	15	21.5	4	83.9	53.1	50.8	30	5	17	14	5	20	2	18	51	14	39	6,420.7	214	8.9
May	58.19	26.7	31.8	2	22.9	2	84.3	61	17	31	5.7	20	19	9	27	3	13	42	19	34	5,466	176.3	7.3
June	58.58	26.5	30.5	27, 28	21.7	11	83.9	83.7	15.2	29	7.7	32	28	4	18	7	13	39	23	16	6,001.8	200.1	8.3
July	58.26	26.1	30.5	17	21.8	28	83.8	75.3	21.4	1	7.7	36	22	7	18	3	16	43	32	9	6,354.7	205	8.5
August	58.53	27.2	31	7	21	19	81.8	17.5	8	18	6.9	25	16	9	14	3	45	46	21	7	8,364.1	269.8	11.2
September	58.67	26.1	31	22	21	10	85.4	285.1	65.8	6	7.6	39	15	3	17	7	15	44	27	13	6,688.2	222.9	9.3
October	58.72	25.8	32.6	22	21.4	8	85.1	331.3	78.6	6	7.3	16	28	5	17	9	7	35	38	31	--------	224.7	9.4
November	58.32	26.1	31.2	6, 21, 28	22	24	84.2	82.9	20.3	26	7	41	24	1	22	11	7	25	12	37	5,338.4	177.9	7.4
December	58.53	26.2	33.2?	28	22.3	5	82.7	57.5	20.3	4	6.3	37	17	20	21	5	11	20	13	42	5,076.3	163.8	6.8
Year	758.94	26.3	33.2?	--------	20.4	-------	83.2	1,188.7	78.6	-----	6.4	331	248	107	210	63	188	480	234	329	--------	204.8	8.5

SURIGAO

January	761.38	25.5	30.3	3	19.2	20	83.8	290.6	60.5	22	6.6	1	86	47	11	3	1	1	2	34	9,857.1	318	13.2
February	61.23	26.2	30.1	27	22.1	1	82.7	198.5	38.9	14	6.9	5	29	95	4	0	0	0	3	32	9,332.7	333.3	13.9
March	60.74	25.8	31.2	25	20.7	9	83.1	112.6	16.5	12	6.1	5	48	61	17	7	0	0	0	48	7,812	252	10.5
April	59.47	26.5	32.2	3	21.4	4	83.6	175.3	49	28	6.1	7	54	36	14	4	1	0	0	64	6,502.8	216.8	9
May	58.32	27.3	33.1	29	22.9	26, 27	83.5	87.5	22.4	14	5.6	5	49	21	10	6	1	0	5	89	4,816.5	155.4	6.5
June	57.89	27.1	33	14	23	24	83.2	123.4	23.9	7	7.6	6	14	3	2	8	34	17	4	92	3,955.3	131.8	5.5
July	57.49	27	32.9	31	22.4	14	80.9	276	71.2	22	7.6	6	9	0	1	11	56	13	14	76	5,126.1	165.4	6.9
August	56.92	28.8	35	13	23.3	26	68.9	83.3	46.8	28	7.5	0	1	0	1	20	116	26	3	19	9,102.6	293.6	12.2
September	58.11	26.5	32.7	1	22.3	8	84.4	398.6	79.4	16	7.1	5	19	4	3	6	39	26	9	69	5,426.1	180.9	7.5
October	58.16	26.6	31.9	9	22.6	30, 31	84.3	539	320.6	13	6.9	3	13	6	2	8	44	27	18	65	5,266	169.9	7.1
November	58.09	26.2	31.4	15	23	19	86.7	486.2	86.7	23	7.5	6	29	10	1	8	32	13	13	68	4,803.8	160.1	6.7
December	58.90	25.5	31	16	21.8	15	89	813.6	154.7	30	7	9	41	18	1	7	2	0	3	105	4,735.9	152.8	6.4
Year	758.89	26.6	35	--------	19.2	-------	82.8	3,584.6	320.6	-----	6.9	58	392	301	67	88	326	123	74	761	76,736.9	210.8	8.8

CEBU

January	761.52	26.3	31.5	2	21.7	15	72.6	79.2	64.8	5	6.7	96	81	0	1	0	0	0	1	7	11,678.5	376.7	15.7
February	61.32	26.8	31	2	22.5	2	72.2	27.1	9.4	27	7.2	55	103	2	0	2	0	0	1	5	11,025.4	393.8	16.4
March	60.67	27.3	32.7	23	23.3	6, 22	69.9	4	1.3	17	7.8	56	118	5	0	1	2	0	0	4	11,741.3	378.8	15.8
April	59.43	28.2	32.5	8	23.7	5, 6	69.5	5.3	3.1	13	8.2	44	113	5	3	3	0	0	0	12	10,722.9	357.4	14.9
May	58.34	29	33.8	25	22.4	31	71.6	113.3	37.6	30	8.7	25	71	12	4	24	8	7	5	30	8,386.7	270.5	11.3
June	58.04	28.2	33.4	28	22.9	7	75.4	125.7	22.1	7	8.9	9	11	2	4	33	69	13	10	29	10,015.6	333.9	13.9
July	57.67	27.6	33.7	8	22.5	5	76.9	318.9	88.4	2	7.8	12	14	5	1	27	68	12	16	31	10,249.7	330.6	13.8
August	57.12	28.4	33.6	18	23.6	10	72.8	18.9	3.8	27	7.7	0	1	0	0	27	139	8	1	10	20,969.2	676.4	28.2
September	58.25	27.4	33.1	3	23.1	19	77.4	178.7	77.6	17	7.7	20	36	1	4	16	47	12	5	39	8,713.1	290.4	12.1
October	58.29	27.3	32.2	22	22.8	7	78.6	299.7	74.7	7	6.7	30	17	2	6	23	40	18	9	41	9,071.1	292.6	12.2
November	58.26	27.2	33.2	13	23.2	9	78.3	153.7	71.9	8	7.8	30	51	3	3	12	25	15	7	34	7,935.1	264.5	11
December	58.99	26.7	33.1	7	23	31	78.2	142	31.5	21	6.4	32	111	6	1	8	6	6	1	15	9,527.1	307.3	12.8
Year	758.99	27.5	33.8	--------	21.7	-------	74.4	1,466.5	88.4	-----	7.6	409	727	43	27	176	404	91	56	257	130,035.7	356.1	14.8

ILOILO

January	761.36	25.9	31.4	25	21	27	75.7	14.5	9.7	5	3.6	26	156	4	0	0	0	0	0	0	15,352.8	495.3	20.6
February	61.06	26.7	33.2	22	21.7	5	72.9	.5	.5	11	3.1	38	129	1	0	0	0	0	0	0	14,613.4	521.9	21.7
March	60.31	27.3	34.7	22	22.4	5	69.3	8.1	4.3	15	3.5	24	156	1	0	0	1	1	0	3	15,073.1	486.2	20.3
April	58.93	28.7	35.3	11	23.2	24	67.7	88.8	71.6	23	4.1	22	151	1	0	0	2	0	2	2	12,008.2	400.3	16.7
May	58.04	28.7	34.9	10	23.8	11	75.4	78.8	36.3	11	6	7	67	5	4	13	48	5	3	34	8,247.6	266.1	11.1
June	57.88	27.6	33.6	3	21.9	26	80.5	233.4	87.7	9	6.7	7	12	6	4	18	97	3	5	28	8,212.5	273.8	11.4
July	57.65	27	34.4	9	22	2, 5	83.4	370.4	83.9	2	7.5	11	17	1	2	6	81	18	11	39	8,013.3	258.5	10.8
August	57.11	27.3	32	18	22.3	31	84.6	647.8	95.1	6	7.9	0	0	0	1	4	157	17	0	7	14,072.9	454	18.9
September	58.20	26.7	32.8	4	22	7	83.9	192.7	43.9	20	6.7	24	39	4	0	15	59	13	1	25	8,126.9	270.9	11.3
October	58.30	26.7	32.2	1	21.5	1	85.5	405	98.9	14	6.6	34	35	2	6	17	43	2	6	41	7,892	254.6	10.6
November	58.27	26.5	32.2	21	22	25	84.7	163.1	39.6	27	7.2	71	42	1	1	4	18	3	12	28	8,056.7	268.6	11.2
December	58.89	26	31.3	7	21.3	16	84.2	139	59.7	4	6.2	93	62	3	5	6	6	0	6	5	12,158.7	392.2	16.3
Year	758.83	27.1	35.3	--------	21	-------	79	2,342.1	98.9	-----	5.8	357	866	29	23	83	512	62	46	212	131,828.1	361.9	15.1

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[a] Owing to some unavoidable defects in the recording instruments, the velocity of the wind had to be omitted occasionally a few days in several of the stations included in these summaries.

[b] 2 hours missing.

[c] 6 hours missing.

TACLOBAN[a]

Month.	Pressure (mean).	Temperature.					Relative humidity (mean).	Rainfall.			Cloudiness (mean).	Wind.											
		Mean.	Maximum.	Date.	Minimum.	Date.		Total.	Maximum in 24 hours.	Date.		Number of winds from six daily observations.									Total monthly velocity.	Average daily velocity.	Average hourly velocity.
												N, NNE.	NE, ENE.	E, ESE.	SE, SSE.	S, SSW.	SW, WSW.	W, WNW.	NW, NNW.	Calm.			
	mm.	°*C.*	*C.*		°*C.*		*P.ct.*	*mm.*	*mm.*		*0-10*										*Km.*	*Km.*	*Km.*
January	761.79	25.7	33.5	29	19.6	15	83.8	123.2	28.6	24	4.5	2	2	24	20	8	8	25	8	89	[b]3,734.6	120.5	5
February	61.64	26	34.8	26	20.5	14	84.2	65.6	13	11	4.5	0	1	24	22	9	6	21	17	68	3,569.7	127.5	5.3
March	61.01	26.3	35.2	27	20	6, 8	82.4	74	17.3	8	4.2	1	1	24	24	14	3	36	9	74	4,052.5	130.7	5.4
April	59.78	27.3	35.2	7	21	5	81.8	67.7	13.5	28	3.1	1	1	14	40	25	1	10	10	78	[d]4,887.8	162.9	6.8
May	58.58	28.5	36.3	4	22.8	26	79.9	92.6	60	30	2.8	0	0	16	47	41	0	1	7	74	[c]5,032.6	162.3	6.8
June	57.91	27.4	35.1	5	22.5	21	85.1	250.6	105.3	8	5	0	1	4	15	18	5	7	28	102	3,615.7	120.5	5
July	57.56	27	36	16	22.5	3, 8, 14	85	180.6	53.6	21	5	0	0	4	10	11	12	13	26	110	3,038.3	98	4.1
August	56.72	28.4	37.4	25	22.7	26	75	52.1	12.2	4	5.3	0	0	5	2	7	61	30	19	62	5,632.9	181.7	7.6
September	58.28	26.7	36.2	23	22.5	12	85.6	137	28.2	30	5	0	0	6	12	4	3	27	20	108	3,126.7	104.2	4.3
October	58.57	26.9	34.6	26	22.5	1, 21, 27	86.2	159.1	41.9	13	4.3	0	1	9	10	8	3	24	26	105	3,467.8	111.9	4.7
November	58.63	26	34.5	2	21.7	25	88.6	345.5	100.1	16	5.6	0	0	16	7	4	13	31	25	84	3,856.4	128.5	5.4
December	59.66	25.6	32.5	28	21.5	10	90.6	430.4	122.5	30	5.6	0	1	16	5	11	3	29	23	98	3,597.8	116.1	4.8
Year	759.18	26.8	37.4		19.6		84	1,978.4	122.5		4.6	4	8	162	214	160	118	254	218	1,052	47,612.8	130.4	5.4

CAPIZ

January	761.94	25.8	31.7	12	20.6	27	81.6	9.7	2.5	20	5	54	60	8	0	0	0	0	0	64	4,744	153	6.4
February	61.69	26.4	32.5	22	21.9	4	80.2	10.9	5.6	11	4.9	48	39	16	0	0	0	0	0	65	4,376.8	156.3	6.5
March	60.89	27	32.8	24	21.2	22	77.9	16.1	5.6	8, 28	4.8	50	53	13	0	0	0	0	0	70	4,847.9	156.4	6.5
April	59.30	28.4	35.4	15	22.9	5	78.1	6.6	2.5	25	3.9	16	67	10	1	0	0	0	1	85	4,588.2	152.9	6.4
May	58.09	28.9	35.9	18	24.2	16	80.3	103.7	17.3	27	4.3	16	43	12	5	7	1	0	1	101	3,747.3	120.9	5
June	57.58	27.7	34.9	5	23.3	21, 23	81.4	128.4	24.2	8	6	13	6	2	7	48	0	11	11	82	4,119.5	137.3	5.7
July	57.30	27.2	35.8	30	22.7	2	83	136.1	39.6	22	6.9	21	3	3	3	28	10	2	6	110		101.4	4.2
August	56.44	27.7	35.5	1	22.5	27	77.8	139.5	56	26	7.6	0	0	0	1	50	40	19	1	75	4,757	153.5	6.4
September	58.17	26.8	33.7	2	22.7	10	85	306.6	64.3	20	6.4	9	26	2	2	13	2	7	6	113	3,066.5	102.2	4.3
October	58.25	26.8	32.9	17, 18	22.4	26	85.2	345.4	82.5	8	6.2	21	8	3	23	4	0	11	17	99		108.2	4.5
November	58.39	26.6	32.5	3	22.3	28	84.5	277.3	59.6	27	6.8	36	23	8	1	1	1	12	26	72	4,298	143.3	6
December	59.34	26.4	32.4	6	22.3	15, 16	84.4	130.9	24.4	18	6.2	53	53	9	3	4	0	0	2	62	4,251.2	137.1	5.7
Year	758.95	27.1	35.9		20.6		81.6	1,611.2	82.5		5.8	337	381	86	46	155	54	62	71	998		135.2	5.6

CALBAYOG

January	762.02	24.9	32.2	27	18.1	27	82.8	28.3	6.8	4	4.1	90	38	0	0	9	9	0	0	40		181	7.5
February	61.81	25.3	33	24	19.2	26	81.7	26.2	8.4	16	5.1	78	59	2	2	9	5	1	0	12	5,739.9	205	8.5
March	61.15	25.6	33.8	24	19.5	6	81.8	86.5	25.6	19	5.4	82	45	4	1	18	11	1	2	22	5,781.6	186.5	7.8
April	59.81	26.2	33.7	20	20.6	5	84.3	103.8	34.3	9	4.7	71	34	5	7	18	19	4	4	18	4,980.8	166	6.9
May	58.55	27.3	34.5	21	21.4	1	82.3	75.5	19.3	27	4.4	54	51	2	11	38	9	4	4	13	4,999.3	161.3	6.7
June	57.86	27	32.4	1	22.8	3, 7, 9	85	369.5	169.7	8	6.3	49	17	3	9	28	29	15	8	22	6,448.6	215	9
July	57.48	26.7	32.6	13	21.7	9	85.7	127.2	18.9	22	7.1	69	5	0	2	29	47	14	4	16	[d]8,658.2	279.3	11.6
August	56.54	27.8	33.4	17	22.4	28	81.6	155.7	29.7	2	8.6	7	4	1	2	15	118	33	2	4	17,583.2	567.2	23.6
September	58.27	25.7	33	26	20.5	18	89.4	268.9	42.5	29	7.6	20	40	8	2	10	29	17	4	50	5,673.5	189.1	7.9
October	58.40	25.5	32	3	21	22	90.5	385.1	103.7	30	7.5	35	43	5	4	10	22	12	4	51		148.3	6.2
November	58.08	24.8	32.4	2, 3	19.1	25	91.4	561.7	144.9	17	8.2	36	42	6	1	12	8	33	2	40	6,771.3	225.7	9.4
December	59.42	24.7	31.5	11	20.3	15	89.3	364	49.8	26	6	70	47	4	1	10	8	2	4	40	4,675.2	150.8	6.3
Year	759.12	26	34.5		18.1		85.5	2,552.4	169.7		6.2	661	425	40	42	206	314	136	38	328		222.9	9.3

LEGASPI, ALBAY

January	762.50	[e]26.3	[e]31	12	[e]19.9	30	[e]76	65.4	30.9	4	4.2	57	108	8	0	0	0	1	3	9	9,938.6	320.6	13.4
February	62.32	26.4	31.9	23, 24	21.5	11	78.6	134.2	47.1	15	3.9	17	106	40	0	0	0	0	1	4	9,057.2	323.5	13.5
March	61.54	26.9	32.3	28	20.6	22	77.1	74.2	12.2	9	4	10	98	73	0	0	0	0	0	5	8,923	287.8	12
April	60.01	28.3	33.3	28	23.4	1	78.6	44.6	14.1	8	3.2	19	67	88	0	0	0	0	0	6	7,975.3	265.8	11.1
May	58.53	29	35	25	24.3	23	79.2	80.3	27.7	5	4.5	26	45	63	2	3	2	0	1	44	6,156.5	198.6	8.3
June	57.54	28	34.5	17	23.6	9	80.9	258.5	92.5	26	5	8	10	23	0	4	66	28	4	37	6,507.5	216.9	9
July	57.26	27.1	34.3	15	22.6	6	83.7	259.2	52.5	1	6.5	6	25	15	1	2	44	30	3	60	5,992.5	193.3	8.1
August	55.74	27.2	33.6	22	23.1	22	82.8	358.2	70.1	6	8.1	0	1	0	0	0	130	42	4	9	12,013.6	387.5	16.1
September	58.28	27	33.4	3, 26	22.5	7	82.7	266	52.3	16	5.7	7	71	18	1	0	28	21	1	33		217.1	9
October	58.51	27	33.3	6	21.8	1	85	382.3	55.8	30	6	40	50	9	2	2	16	8	3	56	5,546.4	178.9	7.5
November	58.32	26.3	32.3	3	22.3	22	86.3	634.2	103.8	6	7.3	57	67	16	2	1	5	12	3	17	8,574.8	285.8	11.9
December	59.89	26.1	31.8	15	21.3	13	86.9	347.9	81.7	4	6	35	70	47	0	0	3	0	0	31	8,317.2	268.3	11.2
Year	759.20	27.1	35		[e]19.9		81.5	2,905	103.8		5.4	282	718	400	8	12	294	142	23	311		262	10.9

[a] The barometric readings of this station seem to be somewhat too high.
[b] 3 hours missing.
[c] 5 hours missing.
[d] 9 hours missing.
[e] 25 days of observation.

ATIMONAN

Month.	Pressure (mean).	Temperature.					Relative humidity (mean).	Rainfall.			Cloudiness (mean).	Wind.											
		Mean.	Maximum.	Date.	Minimum.	Date.		Total.	Maximum in 24 hours.	Date.		Number of winds from six daily observations.									Total monthly velocity.	Average daily velocity.	Average hourly velocity.
												N, NNE.	NE, ENE.	E, ESE.	SE, SSE.	S, SSW.	SW, WSW.	W, WNW.	NW, NNW.	Calm.			
	mm.	°*C.*	°*C.*		°*C.*		*P. ct.*	*mm.*	*mm.*		*0–10*										*Km.*	*Km.*	*Km.*
January	762.88	25.6	30.1	12	18.8	30	80.9	94.6	34.9	3	5.5	58	81	15	0	2	6	2	3	19	[a]15,080.5	486.5	20.3
February	62.56	25.8	31.2	24	20.4	1	82	46.1	21.9	6	4.6	37	90	7	1	0	7	4	14	8	13,593.8	485.5	20.2
March	61.59	26.8	32.8	22	19.8	2	77.5	7.5	3.6	9	3.9	36	105	13	1	0	4	11	12	4	13,874.6	447.6	18.6
April	59.83	27.8	33.7	12	22.5	13	79.8	122.2	48.5	2	4	57	33	4	4	13	9	14	25	21	9,377.2	312.6	13
May	58.35	28.7	35.2	18	23.9	11	78.4	63.8	24.6	14	5.2	36	39	5	2	7	65	3	16	13	9,324.6	300.8	12.5
June	57.19	28.2	34.6	5	23.2	27	78.5	331.1	175.9	9	5.2	17	11	6	19	41	51	6	18	11	8,545.1	284.8	11.9
July	57.12	27.6	35.5	15, 17	22.8	3	82	228.3	56.7	29	6.2	29	8	4	0	26	61	8	18	32	[b]7,117.2	229.6	9.6
August	55.44	26.9	33.1	18	21.9	29	82.3	315.9	44.7	12	8.3	0	1	1	1	21	133	11	5	13	10,852.4	350.1	14.6
September	58.45	26.9	32.6	14	21.9	14	82.5	274.2	48.3	20	6.6	73	11	1	1	12	36	5	27	14	9,910.8	330.4	13.8
October	58.68	27	32.2	4, 19	22.5	26	86.1	451.7	124.6	7	7.1	76	10	3	12	12	22	3	31	17	11,044.8	356.3	14.8
November	59.19	26.5	31.7	10	22.2	25	86	273	43.5	17	7.4	119	20	1	0	0	1	4	24	11	17,331.6	577.7	24.1
December	60.41	25.8	31.6	6	22	31	87.4	322	51.1	14	7.6	123	23	2	2	4	2	0	19	11	18,373.8	592.7	24.7
Year	759.31	27	35.5	--------	18.8	-------	82	2,530.4	175.9	-----	6	661	432	62	43	138	397	71	212	174	144.426.4	396.2	16.5

AMBULONG, TANAUAN, BATANGAS

January	762.02	25.2	34.2	31	18.4	31	81.5	4.8	2	15	5.9	8	96	7	2	1	2	0	0	70	6,018.7	194.2	8.1
February	61.67	25.4	34.4	24	19	4	78.8	6.9	4.3	5	6	11	98	10	1	3	5	0	0	40	6,681.5	238.6	9.9
March	60.51	27.5	37.4	25	18.2	5	72.2	1	1	17	5.3	14	69	8	2	0	10	1	0	82	--------	175.1	7.3
April	58.96	29.2	37.3	22	22.2	15	69.5	18	15.7	2	6.1	6	32	15	5	8	10	1	1	102	3,989	133	5.5
May	57.61	29.1	37.5	2	23	11	70.9	33.8	13	22	7.1	2	26	4	0	10	5	2	0	137	3,757.6	121.2	5
June	56.78	27.9	36.1	1	23	11, 30	77.4	256.3	87.6	10	7.8	2	17	3	2	3	55	7	2	89	--------	186.3	7.8
July	56.64	27.2	35.6	13	21.8	2, 3	81.2	444	93.2	2	8.2	10	27	6	2	8	40	2	1	90	[c]5,828.5	188	7.8
August	55.37	26.4	30.7	22	22.7	25, 29	85.5	907.9	146.1	12	9.4	1	0	0	2	9	129	9	2	34	[d]14,051.9	453.3	18.9
September	57.78	26.7	34.5	4	22.4	30	81.2	110.7	24.9	16	7.2	5	60	1	6	1	22	0	0	85	--------	-------	-------
October	58.01	26.7	34	6	21.8	2	82.2	220.2	53.6	14	7.6	32	45	7	9	1	13	0	0	79	--------	163.9	6.8
November	58.50	26.3	32.6	12	21.5	25	82.4	138.1	46.7	18	7.4	48	64	0	1	1	1	0	3	62	--------	217.7	9.1
December	59.47	26	32.7	24	21.3	25	80	19.1	7.1	3	7	50	95	3	4	0	0	1	0	33	8,521.2	274.9	11.5
Year	758.61	27	37.5	--------	18.2	-------	78.6	2,160.8	146.1	-----	7.1	189	629	64	36	45	292	23	9	903	--------	-------	-------

PARACALE

January	762.95	25.3	29.9	31	18.9	30	84.4	199.6	50	5	7	0	127	0	0	0	0	0	0	59	5,586.9	180.2	7.5
February	62.61	25.6	30.4	24	19.9	4	82.5	141.8	30.6	7	6.3	2	105	12	0	0	0	0	0	49	5,066.3	180.9	7,5
March	61.70	26.4	31.8	24	20.3	2, 5	80.4	51.8	16	19	5	0	116	0	0	0	0	0	0	70	4,641.2	149.7	6.2
April	59.99	27.8	33.1	15	23	2, 6, 13	80.5	8.6	4.4	8	3.9	0	95	0	0	0	0	0	0	85	3,947.2	131.6	5.5
May	[e]58.02	[e]28.2	[e]34.5	19	[e]23.5	1, 15	[e]83.7	118.1	46.5	28	6	[f]0	37	3	0	0	0	0	0	98	--------	109.6	4.6
June	57.21	28	35.2	17, 24	23.7	19	83.5	203.3	52.5	30	5.7	2	25	0	0	17	12	1	0	123	2,755.2	91.8	3.8
July	57.04	27	34.3	16	23.2	4	86.6	254.8	51.2	1	7.4	2	27	0	2	5	5	1	0	144	2,189.2	70.6	2.9
August	55.06	26.9	33.5	1	22.5	28	85.6	141.7	35.7	19	8.9	0	0	0	0	13	66	5	0	102	3,417.8	110.8	4.6
September	58.36	26.6	32.4	4	22.4	24	86.8	493.4	153.4	16	7.3	3	47	0	0	0	8	0	1	121	2,624.7	87.5	3.6
October	58.65	26.6	32.1	17	22.8	26	89.2	589	124	24	8.2	8	53	0	0	0	1	0	4	120	2,825.5	91.1	3.8
November	59.09	26.3	31.5	3	21.8	25	87.8	502.3	97.2	17	8.9	15	87	13	0	0	0	0	8	57	5,143.1	171.4	7.1
December	60.36	25.7	30.6	7	21.5	30, 31	89	561.3	110.2	14	8.6	0	111	17	0	0	0	0	0	58	[c]5,636.3	181.8	7.6
Year	759.25	26.7	35.2	--------	18.9	-------	85	3,265.7	153.4	-----	6.9	32	830	45	2	35	92	7	13	1,086	--------	129.7	5.4

DAGUPAN

January	761.93	25.6	35.6	10	16.3	24	73.2	1.3	1.3	5	1.3	10	3	9	46	26	4	3	60	25	[g]7,036.9	227	9.5
February	61.45	26.3	36	12	19	12	73	10.7	10.7	19	2.1	11	4	9	54	13	3	2	54	18	7.403.1	264.4	11
March	60.25	27.9	38.6	26	20	7, 9, 18	69.1	10.4	5.3	31	2.4	3	0	7	66	14	6	2	64	24	8,428.5	271.9	11.8
April	58.55	29.4	38.4	30	22.6	21	73.7	101.7	57.6	8	3.6	4	2	7	66	16	2	4	68	11	7,916.7	263.9	11
May	57.29	29.3	39	7	23.2	13	74.6	142.1	51.3	13	6	8	3	4	64	18	2	16	47	24	7,495.9	241.8	10.1
June	56.22	27.9	37	6	22.6	20	81.8	225.6	54.9	6	6.8	8	1	23	69	8	4	12	24	31	7,163.8	238.8	10
July	56.14	27.2	36	19	22	3	83.5	411.9	139	30	7.4	5	5	19	72	4	4	7	38	32	7,035.4	226.9	9.5
August	54.40	25.7	32.8	19	22.5	26	91.7	1,681.4	205.3	26	9.8	3	6	26	44	10	16	35	7	39	[c]6,369.4	205.5	8.6
September	57.37	27.6	34.7	30	23.3	22	80.8	167.3	69.6	7	6.6	9	4	15	63	12	10	4	34	29	6,301	210	8.8
October	57.69	27.7	35	29	22.8	21	80.7	89.5	55.1	6	6.9	9	3	12	79	17	2	4	31	29	6,521.4	210.4	8.8
November	58.29	26.7	34.5	9	19	26	78.1	29.3	12.5	1	5.3	13	2	12	70	22	1	3	34	23	5,749.5	191.6	8
December	59.45	26.1	34.2	7	18.8	31	77.6	50.3	36	14	3.9	15	2	9	67	23	4	1	38	27	6,477.6	209	8.7
Year	758.25	27.3	39	--------	16.3	-------	78.2	2,921.5	205.3	-----	5.2	98	35	152	760	183	58	93	499	312	83,899.2	230.1	9.6

[a] 3 hours missing.
[b] 8 hours missing.
[c] 5 hours missing.
[d] 1 hour missing.
[e] 23 days of observation.
[f] No observation of wind direction was made from May 4 to 11.
[g] 12 hours missing.

BAGUIO [a]

Month.	Pressure (mean).	Temperature.					Relative humidity (mean).	Rainfall.			Cloudiness (mean).	Wind.											
												Number of winds from six daily observations.									Total monthly velocity.	Average daily velocity.	Average hourly velocity.
		Mean.	Maximum.	Date.	Minimum.	Date.		Total.	Maximum in 24 hours.	Date.		N, NNE.	NE, ENE.	E, ESE.	SE, SSE.	S, SSW.	SW, WSW.	W, WNW.	NW, NNW.	Calm.			
	mm.	°C.	°C.		°C.		P.ct.	mm.	mm.		0-10										Km.	Km.	Km.
January	639.15	17.1	25.4	29	11.2	28	71.4	2.5	2.5	4	2.4	[b]7	4	78	31	2	44	11	5	2	---------	373.2	15.6
February	38.86	17.4	26.4	22	12.1	5	73.9	12	11.2	8	2.7	10	7	58	26	2	34	29	1	1	[c]9,922.5	354.4	14.8
March	38.36	18.5	27.5	27	12.2	2	76.2	81.1	55.4	30	3.6	[d]6	9	52	31	4	42	37	3	1	[e]10,751.2	346.8	14.4
April	37.61	19.5	26.9	18,21	15.1	3	81.4	76.4	37.4	11	5	4	6	50	36	2	31	48	3	0	9,224.5	307.5	12.8
May	36.67	19.2	27.3	1	15.2	10	83.7	440.2	44.9	28	5.6	8	9	43	33	4	29	41	19	0	10,122.8	326.5	13.6
June	35.52	18.5	25.4	6	15.7	19,23	90.9	309.1	49	20	7	7	12	30	38	15	33	41	4	0	10,458.5	348.6	14.5
July	35.19	18.1	25.2	12	12.9	3	89	837.9	214.1	30	7.6	10	14	41	25	8	44	37	7	0	13,738.6	443.2	18.5
August	33.26	17	21.9	19	14.3	6	97.5	3,462.1	369.6	20	9.7	1	2	6	14	10	67	69	17	0	23,805.6	767.9	32
September	36.20	18	24.5	25	14.7	25	90.4	392.4	62.1	21	6.9	6	12	43	27	0	41	42	7	2	[f]8,849	295	12.3
October	36.61	18.4	24.3	30,31	15.1	21,22	88.2	196	38.4	25	7	7	13	65	34	5	25	27	10	0	9,477.3	305.7	12.7
November	36.83	17.9	26.2	4	11.4	25	81	60.7	15.7	23	6	8	22	63	30	5	31	18	3	0	11,059.5	368.6	15.4
December	37.55	17.5	25	11	10.2	31	81.5	30	8.2	20	4.8	[g]4	22	81	33	2	33	6	1	0	---------	333.8	13.9
Year	636.82	18.1	27.5	---------	10.2	-------	83.8	5,900.4	369.6	-----	5.7	78	132	610	358	59	454	406	80	6	---------	380.9	15.9

VIGAN

January	762.17	25.3	32.5	6	18.4	13	70	0	0	0	2.5	32	11	25	3	0	6	27	73	9	7,713	248.8	10.4
February	61.78	25.6	33.5	16	17.2	18	68.9	0	0	0	3.1	43	10	13	2	4	11	24	55	6	7,601.6	271.5	11.3
March	60.57	27.3	36.2	26	20	2	71.2	1.8	1.8	21	4.4	12	1	10	3	9	26	58	60	7	6,506.5	209.9	8.7
April	58.95	29.1	35.7	19	23.1	4	69.6	0	0	0	3.6	6	3	5	2	9	27	39	79	10	6,219.1	207.3	8.6
May	57.59	29.2	36.2	13	23.6	21	72.5	85.9	31.6	20	6.2	8	2	40	15	16	33	33	33	6	6,578.4	212.2	8.8
June	56.16	28.9	35.2	1	23.2	8	74.5	201.4	66.3	20	6.8	5	2	13	15	56	50	18	13	8	7,933.6	264.5	11
July	56.18	27.8	34.6	19	21	3	77.7	604.6	163.9	2	7.1	2	4	22	5	35	31	29	46	12	6,972	224.9	9.4
August	53.94	26.2	32.5	29	22.4	7,21	87.8	1,472.4	355.9	7	9.6	2	0	3	13	101	41	13	9	4	[h]10,525.2	339.5	14.1
September	57.63	27.7	33.8	18,29	20.2	12	76.9	77.1	29.5	17	6.4	3	6	37	14	22	18	39	32	9	6,070.6	202.4	8.4
October	57.97	27.9	35	15	22.1	24	76.6	70.2	46.7	10	6.4	25	3	22	14	3	22	44	43	10	5,474.8	176.6	7.4
November	58.66	26.8	33.9	17	19	25	73.4	6.2	3.6	1	5.3	46	6	7	6	7	10	36	54	8	7,473.4	249.1	10.4
December	59.79	26.2	34.3	1	18.6	30	73.5	0	0	0	4.2	45	9	17	4	6	12	28	58	7	7,782.3	251	10.5
Year	758.45	27.3	36.2	---------	17.2	-------	74.4	2,519.6	355.9	-----	5.5	229	57	214	96	268	287	388	555	96	86,850.5	238.1	9.9

LAOAG

January	762.30	24.7	33.7	14	14.8	23	75.3	0	0	0	1.1	42	7	13	5	3	4	8	26	78	3,366.6	108.6	4.5
February	61.86	24.5	34.1	14	14	18	74.8	0	0	0	.7	29	10	7	3	0	5	12	41	61	3,223.1	115.1	4.8
March	60.65	26.7	38.3	26	15.9	3	71	0	0	0	1.4	16	4	6	2	1	23	24	41	69	3,286.7	106	4.4
April	59.07	28.5	38.1	19	20	1	70.1	0	0	0	1	14	1	3	1	0	10	25	64	62	3,267.3	108.9	4.5
May	57.81	28.3	37.5	3	22.2	17	76.6	101.8	26.4	18	4.2	9	1	26	15	8	18	21	11	77	3,653.3	117.8	4.9
June	56.29	28.3	37.5	10	23.5	26,27	80.2	295.9	65	20	4.5	0	1	5	10	40	10	20	6	88	3,676	122.5	5.1
July	56.29	27.1	35.2	20	22	3	83.1	647.9	391.7	2	5.9	1	1	1	13	22	10	7	15	116	2,996.5	96.7	4
August	53.70	26.6	33.3	22	22.8	7	86.3	949.2	338.4	7	8.3	4	1	2	7	76	22	6	5	63	---------	188.1	7.8
September	------	------	------	---------	------	-------	-----	26.2	12.2?	18	----	---	---	---	---	---	---	---	---	-----	---------	-------	-------
October	58.17	27.2	35	30	20.7	21	79.1	40.3	17.1	9	4.5	4	10	2	7	1	7	6	12	137	[i]2,659.7	85.8	3.6
November	59.02	26.2	34.8	19	17.2	26	73.1	8.9	6.1	28	3.5	33	24	4	0	1	0	5	12	101	[c]3,611	120.4	5
December	60.14	25.1	34	3	12.9	31	73.1	1.5	1.5	9	3.7	26	29	2	2	0	0	1	2	124	[e]3,614.3	116.6	4.9
Year	-----	-----	-----	---------	-----	-------	-----	-------	-----	-----	-----	---	---	---	---	---	---	---	---	-----	---------	-------	-------

APARRI

January	763.86	23.2	31.5	9,10	15.8	26	83.7	114.8	29	5	4.2	14	61	23	21	12	2	3	6	44	8,163.4	263.3	11
February	63.32	23.9	33.8	23	17.2	26	79.1	16.3	9.4	4	4.2	23	64	10	18	11	1	3	9	29	8,458.5	302.1	12.6
March	61.51	25.9	34.7	23	17.8	1	76.2	103.2	54.4	30	1.8	30	47	10	11	31	2	3	5	47	7,940.1	256.1	10.7
April	59.61	27.6	37.8	28	21.5	14,24	78.1	14.8	11.7	11	3.2	43	28	2	15	25	18	6	15	28	7,737	257.9	10.7
May	58.27	27.4	37.6	1	21.5	12,14	81.1	148.4	37.6	15	6.6	28	23	3	13	66	17	2	8	26	[j]7,942.2	256.2	10.7
June	56.42	29	37	12,18	23.3	19	77.1	63.8	23.1	26	4.2	29	13	6	16	48	13	10	18	27	8,076.7	269.2	11.2
July	56.45	27.6	36	12	21.5	2	80.8	224.1	101.5	2	5.8	21	20	9	13	56	5	11	19	32	[k]7,638	246.4	10.3
August	53.19	27.3	35.3	26	22	19	82.1	413.8	99.8	6	8.4	12	7	6	10	78	27	6	21	19	9,569	308.7	12.9
September	58.56	26.8	34.7	2	21	24	79.5	95.1	39.6	2	5.5	17	60	11	17	30	5	4	7	29	7,997	266.6	11.1
October	59.48	26.4	33.7	1,5	21.3	27	85.3	402.4	199.6	8	6.7	12	80	17	12	1	4	3	6	51	8,292.9	267.5	11.1
November	60.88	25	32.8	8	19	26	84.2	387.1	169.2	29	7.5	22	91	11	10	2	3	1	1	39	11,316.6	377.2	15.7
December	62.32	23.7	30.8	12	16.5	31	87.9	197.6	47.8	22	8.4	15	109	15	3	1	0	0	2	41	11,316	365	15.2
Year	759.49	26.2	37.8	---------	15.8	-------	81.3	2,181.4	199.6	-----	5.5	266	603	123	159	361	97	52	117	412	104,447.4	286.4	11.9

[a] The barometric readings of this station are not reduced to sea level.

[b] No observation of wind direction was made on January 13 and 21, at 2 a. m.

[c] 2 hours missing.

[d] No observation of wind direction was made on March 1, at 2 a. m.

[e] 6 hours missing.

[f] 12 hours missing.

[g] No observation of wind direction was made on December 4, at 10 p. m., on December 5, at 2 a. m., on December 24, at 10 p. m., and on December 25, at 2 a. m.

[h] 7 hours missing.

[i] 5 hours missing.

[j] 3 hours missing.

[k] 4 hours missing.

YAP, WESTERN CAROLINES

Month.	Pressure (mean).	Temperature.					Relative humidity (mean).	Rainfall.			Cloudiness (mean).	Wind.									
												Number of winds from six daily observations.									Monthly mean velocity.
		Mean.	Maximum.	Date.	Minimum.	Date.		Total.	Maximum in 24 hours.	Date.		N, NNE.	NE, ENE.	E, ESE.	SE, SSE.	S, SSW.	SW, WSW.	W, WNW.	NW, NNW.	Calm.	
	mm.	°C.	°C.		°C.		P. ct.	mm.	mm.		0-10										0-12.
January	759.97	[a]26.5	33.1	30	22.7	17	[a]80.5	63.6	10.2	16	6.5	[b]8	126	13	0	0	0	0	0	34	[a]1.9
February	60.27	26.6	33.4	25	22	6	81.2	58.2	10.7	6	6.9	4	115	22	0	0	0	0	0	27	1.9
March	59.74	26.8	33.8	18	22.1	7, 9	81	61.9	16.3	20	7.2	1	124	31	0	0	0	0	0	30	1.7
April	59.19	27.4	34.5	17, 28	23.5	22	81.5	62	27.2	6	7.1	1	94	60	0	0	0	0	0	25	1.6
May	58.32	27.8	34.3	7	23.2	4	84.1	197.3	58.4	31	7.5	0	66	60	7	0	0	0	0	53	1.4
June	[c]57.97	[d]27.3	------	--------	------	-------	[d]86.6	[c]112.5	[c]18.5	30	[c]8.8	[e]2	14	49	13	5	3	0	0	66	[c]1.1
July	57.71	26.7	32.2	14	23.1	17	86.7	424.9	57.1	17	8.2	5	14	17	24	13	9	9	12	83	1.1
August	57.69	26.8	32.7	13, 19	21.7	15	85.4	484.2	61.2	6	9	6	0	0	2	28	55	38	7	50	1.5
September	57.29	26.8	33	19	23	8, 10	85.6	265.2	70.7	8	8	6	12	12	7	17	11	27	8	80	1.2
October	57.51	26.7	32.3	3	22.7	11	87.1	293.6	67.9	21	8.9	[f]7	7	24	14	11	13	13	12	81	1
November	57.58	27.1	32.6	21	23.2	19, 23	86	257.1	83.1	5	7.5	6	27	48	12	6	4	0	5	72	1.3
December	58.34	27.1	31.2	5, 23, 26	22.4	20	83	173.8	42.4	19	7.7	7	76	79	2	0	0	0	0	22	2.1
Year	758.46	27	34.5	--------	21.7	-------	84.1	2,454.3	83.1	-------	7.8	53	675	415	81	80	95	87	44	623	1.5

TAGBILARAN

January	761.11	25.2	32.5	4	17	15	80.9	41.4	13.3	16	5.9	47	25	4	12	2	0	0	3	93	0.9
February	60.97	26	33.3	7	18.9	25	77.6	18.2	13.5	11	5.9	22	21	4	22	2	0	1	4	92	.8
March	60.35	26	33.2	1	19	8	78.2	64	23.4	15	5.3	10	6	2	35	2	2	0	13	116	.7
April	59.07	27	34.1	20	19.9	5	76.2	11.4	5.6	29	5.7	12	2	1	36	3	1	9	10	106	.7
May	58.05	28.1	34.7	27	22	8	77.3	51.9	24.1	29	6.5	1	1	3	53	5	0	7	2	114	.7
June	57.94	27.5	33.6	21	22.8	8	81.6	120.7	31.8	7	7.9	2	1	1	23	29	9	4	1	110	.6
July	57.64	26.8	33.1	31	22.4	7	83.5	177.1	47.5	17	8.7	2	3	0	11	28	25	7	4	106	.7
August	[g]57.45	[g]28.5	[g]35.4	17	[g]22.7	28	[g]74	24.9	7.7	19	7.4	[h]1	0	0	4	57	51	6	3	52	[g]1.5
September	58.14	26.5	34.8	1	22.3	28	84.4	264.2	45.8	6	7.7	4	7	2	23	19	18	9	4	94	.7
October	58.18	26.8	33.1	19	21.9	31	83.6	270.1	84.9	14	7.4	12	7	1	22	31	13	5	4	91	.8
November	58.04	26.2	32.5	6	21.7	26	86	181.1	26.2	23	8.2	14	21	0	15	18	7	10	7	88	.7
December	58.69	25.7	31.9	17	20.8	15	86.1	278.4	53.1	1	6.4	27	25	3	18	5	3	3	7	95	.8
Year	758.80	26.7	[g]35.4	--------	17	-------	80.8	1,503.4	84.9	-------	6.9	154	119	21	274	201	129	61	62	1,157	0.8

SAN ISIDRO, NUEVA ECIJA

January	763.32	24.9	33.9	10, 30	15.4	31	76.5	2.1	1.6	5	3.7	56	49	55	1	1	0	0	21	3	1.7
February	62.89	25.8	35.6	23	17	4, 11	70.2	0	0	0	3.4	53	24	62	2	2	0	0	10	15	1.9
March	61.82	27.4	38	23	17.5	6	64.5	1.5	1.5	15	3.2	30	42	79	2	3	0	0	5	25	2
April	59.96	29.3	38.6	28	20.4	21	66.9	42.1	15.7	2	3.9	37	20	86	5	2	3	0	4	23	1.8
May	58.41	29.2	38.1	18	21.7	1	73.1	143.6	59	29	5.3	15	19	43	6	36	12	3	12	40	1.6
June	57.27	27.6	36.2	3	22.4	29	84.4	220.5	63.2	10	5.8	13	7	22	11	63	19	1	6	38	1.8
July	57.18	26.6	35	17	20.8	10	87	282.2	88.1	28	6.6	19	13	9	8	57	22	2	19	37	1.6
August	55.53	25.5	32.2	2	22.4	27	93.4	922.4	92.8	11	8.9	0	0	0	9	75	59	6	9	28	2
September	58.39	27	34	29	21.4	28	82	81.7	18.6	10	5.6	13	18	36	10	24	8	5	18	48	1.5
October	58.78	26.4	34.4	2	21.5	22	87.1	188.9	33.8	5	6.3	23	45	30	5	24	11	8	6	34	1.3
November	59.32	25.5	32.7	5	17.5	26	85.3	107.9	23.9	1	5.7	37	62	45	2	0	0	0	9	25	1.6
December	60.43	25	32	27, 28	16.5	31	84.9	58.9	25.4	5	4.7	51	56	36	2	1	1	0	10	29	1.5
Year	759.44	26.7	38.6	--------	15.4	-------	79.6	2,051.8	92.8	-------	5.3	347	355	503	63	288	135	25	129	345	1.7

TUGUEGARAO

January	763.43	23.4	33.6	30	15.5	24, 27	82.8	100.6	87.1	9	4.3	15	14	3	17	18	15	4	27	73	0.8
February	62.95	24.6	35.9	23	16.6	7	76.4	4.5	2.5	13	4.4	22	21	1	16	4	14	4	23	63	.9
March	61.41	27.3	38.8	19, 22	17.7	8	65	20.3	17.8	31	4.3	14	11	0	12	0	21	1	50	77	1
April	[c]59.53	[c]28.7	[i]39.8	26	[c]21.1	21	[c]70.5	[c]50.2	31.7	11	[c]4.5	[j]18	14	4	15	1	14	0	23	66	[c].9
May	------	------	------	--------	------	-------	------	------	------	-------	----	----	----	----	----	----	----	----	----	------	------
June	------	------	------	--------	------	-------	------	------	------	-------	----	----	----	----	----	----	----	----	----	------	------
July	56.36	27.7	37.4	12	21.5	2, 3	79.4	277.2	151.3	2	6.4	3	8	1	22	14	27	2	27	82	.7
August	53.13	27	36.2	26	21.9	27	85.2	605	121.6	3	8.2	13	13	1	29	24	25	1	12	68	1
September	58.20	26.9	36.5	30	20.5	24	78.4	19.2	5.3	15	6.4	[k]18	22	3	15	15	8	2	33	60	.8
October	58.96	26.3	35.4	1	21.4	9	84.5	149.1	79.6	8	[l]7.3	[m]16	27	1	12	12	10	0	36	64	[a].9
November	60.27	24.6	34	3, 5	19.2	25	87.3	326.4	98.2	29	7.4	[n]26	36	5	10	8	3	3	34	49	1.4
December	61.68	23.7	32.1	8	15	31	88.9	139.4	48.3	21	7.8	[o]10	25	1	3	7	11	5	54	66	1.1
Year	------	------	------	--------	------	-------	------	------	------	-------	----	----	----	----	----	----	----	----	----	------	------

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[a] 30 days of observation.

[b] No observation of wind direction was made on January 1, at 2 and 10 a. m., 6 and 10 p. m., and on January 2, at 2. a. m.

[c] 26 days of observation.

[d] 21 days of observation.

[e] No observation of wind direction was made from June 14, 6 p. m. to June 19, 6 a. m.

[f] No observation of wind direction was made on October 6, 10 a. m. and 10 p. m. and on October 7 and 8, at 2 a. m.

[g] 29 days of observation.

[h] No observation of wind direction was made on August 10 and 11.

[i] 25 days of observation.

[j] No observation of wind direction was made on April 26, at 2 a. m. and on April 27 to 30.

[k] No observation of wind direction was made on Septem ber 29, at 6 p. m. and 10 p. m. and on September 30, at 2 a. m. and 10 p. m.

[l] 28 days of observation.

[m] No observation of wind direction was made on October 1, at 2 a. m., on October 3, at 2 and 10 a. m., 6 and 10 p. m., on October 4, at 2 a. m. and 6 p. m. and on October 5, at 2 a. m.

[n] No observation of wind direction was made on November 22, at 10 p. m., on November 23, at 2 a. m., 6 and 10 p. m., and on November 24 at 2 a. m. and 6 a. m.

[o] No observation of wind direction was made on December 19, at 6 p. m. and 10 p. m., and on December 20, at 2 a. m. and 6 a. m.

DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES
WEATHER BUREAU
REV. JOSÉ ALGUÉ, S. J., DIRECTOR

ANNUAL REPORT OF THE WEATHER BUREAU

FOR THE YEAR, 1919

PART IV

HOURLY RESULTS OF THE OBSERVATIONS MADE AT THE MAGNETIC
OBSERVATORY OF ANTIPOLO NEAR MANILA, P. I.
DURING THE CALENDAR YEAR 1919

MANILA
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1922

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FOR THE YEAR, 1919

PART IV

HOURLY RESULTS OF THE OBSERVATIONS MADE AT THE MAGNETIC OBSERVATORY OF ANTIPOLO NEAR MANILA, P. I. DURING THE CALENDAR YEAR 1919

MANILA
BUREAU OF PRINTING
1922

191954

TABLE OF CONTENTS

Page.

INTRODUCTION ---- 5

DIURNAL VARIATION:

- Diurnal variation of D ---- 7
- Diurnal variation of Y ---- 7
- Diurnal variation of H ---- 8
- Diurnal variation of X ---- 8
- Diurnal variation of Z ---- 9
- Diurnal variation of I ---- 9
- Diurnal variation of F ---- 10

SUMMARY OF MONTHLY MEANS ---- 11

HOURLY VALUES OF—

- Declination ---- 12–23
- Horizontal intensity ---- 24–35
- Vertical intensity ---- 36–47

INTRODUCTION

The Magnetic Observatory, which is a division or branch of the Weather Bureau, Manila Observatory, was located at Manila in the Observatory grounds until 1904, but it had to be temporarily closed on account of the electric car system established in that city. The new location at Antipolo lies due east of the old at a distance of 18.5 kilometers. The coördinates of the variation building are 121° 10′ E and 14° 36′ N, its elevation above the sea level about 215 meters.

A description of the buildings, instruments, and method both of observation and reduction, will be found in the "Annual Report of the Weather Bureau for the year 1911, Part IV." The arrangement of the magnetic values in this publication is the same as that of 1911; we adopted the distribution given by the Coast and Geodetic Survey of the United States of America to similar publications of its magnetic observatories.

For all the observations the Insular standard time of the Philippine Archipelago, eight hours (8^h) or the 120th meridian east of Greenwich, is used. Each hourly value of D, H, or Z in the monthly tabulations represents the momentary value of the quantity for the specified hour.

Diurnal Variation of D

1919

[Five international quiet days. Time 8^h E of Greenwich; 24^h or 0^h=midnight]

Hour.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group Means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	—0.16	—0.05	—0.11	+0.03	+0.11	—0.02	—0.14	+0.42	+0,22	+0.21	+0.05	0.00	—0.04	+0.09	+0.09	+0.05
2	—0.19	+0.01	—0.02	+0.18	+0.22	+0.07	0.00	+0.57	+0.45	+0.21	+0.05	0.00	—0.03	+0.20	+0.22	+0.13
3	—0.19	+0.04	0.00	+0.26	+0.36	+0.18	+0.06	+0.57	+0.51	+0.18	—0.01	—0.12	—0.07	+0.24	+0.29	+0.15
4	—0.24	—0.05	—0.02	+0.29	+0.42	+0.32	+0.14	+0.59	+0.62	+0.09	—0.18	—0.20	—0.17	+0.24	+0.37	+0.15
5	—0.33	—0.08	—0.08	+0.32	+0.48	+0.52	+0.34	+0.88	+0.56	—0.18	—0.41	—0.34	—0.29	+0.18	+0.56	+0.15
6	—0.53	—0.22	—0.31	+0.32	+1.41	+1.43	+1.45	+1.80	+1.41	—0.11	—0.53	—0.63	—0.48	+0.33	+1.52	+0.46
7	—0.55	+0.01	—0.22	+0.63	+2.01	+2.03	+2.13	+1.82	+1.92	—0.22	—0.44	—0.89	—0.47	+0.53	+2.00	+0.69
8	+0.24	+0.58	+0.37	+0.77	+1.56	+1.77	+1.99	+1.47	+1.67	—0.11	+0.05	—0.34	+0.13	+0.68	+1.70	+0.84
9	+1.17	+1.03	+0.71	+0.88	+0.76	+1.23	+1.45	+0.14	+0.99	—0.17	+0.28	+0.37	+0.71	+0.60	+0.90	+0.74
10	+1.31	+0.92	+0.85	+0.86	—0.06	+0.32	+0.29	—1.23	—0.49	—0.51	+0.37	+0.80	+0.85	+0.18	—0.17	+0.29
11	+0.52	—0.02	+0.77	0.00	—1.11	—0.81	—0.83	—2.25	—1.74	—0.74	+0.22	+0.55	+0.32	—0.43	—1.25	—0.45
12	—0.05	—0.87	+0.17	—1.05	—1.94	—1.55	—1.42	—2.50	—2.53	—0.74	+0.08	—0.06	—0.22	—1.04	—1.85	—1.04
13	—0.27	—0.67	—0.40	—1.36	—1.88	—1.63	—1.56	—2.05	—2.50	—0.28	+0.02	—0.55	—0.37	—1.14	—1.78	—1.09
14	—0.47	—0.42	—0.39	—1.33	—1.48	—1.58	—1.19	—1.37	—1.63	+0.18	—0.18	—0.37	—0.36	—0.79	—1.40	—0.85
15	—0.13	—0.11	—0.20	—0.79	—1.00	—1.24	—0.85	—0.51	—0.63	+0.58	—0.24	—0.06	—0.14	—0.26	—0.90	—0.43
16	+0.21	+0.12	+0.12	—0.03	—0.26	—0.56	—0.23	+0.37	+0.06	+0.75	+0.14	+0.32	+0.20	+0.22	—0.17	+0.08
17	+0.29	+0.18	0.00	+0.43	+0.36	—0.04	+0.26	+0.65	+0.42	+0.32	+0.31	+0.49	+0.32	+0.29	+0.31	+0.31
18	+0.01	—0.02	—0.20	+0.23	+0.36	+0.10	+0.23	+0.42	+0.19	—0.05	+0.14	+0.26	+0.10	+0.04	+0.28	+0.14
19	+0.01	—0.05	—0.20	+0.09	+0.11	—0.08	—0.11	+0.06	+0.08	+0.06	+0.11	+0.32	+0.10	+0.01	0.00	+0.03
20	+0.04	+0.04	—0.17	—0.05	—0.03	—0.19	—0.37	—0.03	+0.05	+0.04	+0.08	+0.20	+0.09	—0.03	—0.16	—0.03
21	—0.05	—0.02	—0.20	—0.11	—0.09	—0.07	—0.51	0.00	—0.01	—0.05	+0.02	+0.08	+0.01	—0.09	—0.17	—0.08
22	—0.13	—0.11	—0.23	—0.20	—0.15	—0.02	—0.45	0.00	+0.02	—0.02	—0.04	+0.06	—0.06	—0.11	—0.16	—0.11
23	—0.22	—0.16	—0.20	—0.20	—0.09	—0.08	—0.34	+0.03	+0.11	+0.18	—0.01	0.00	—0.10	—0.03	—0.12	—0.08
24	—0.22	—0.13	—0.08	—0.11	—0.04	—0.02	—0.20	+0.14	+0.17	+0.24	+0.08	+0.03	—0.06	+0.06	—0.03	—0.01

Diurnal Variation of Y

1919

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	—2	—1	—1	0	+1	0	—2	+5	+2	+2	+1	0	0	+1	+1	0
2	—2	0	0	+1	+2	+1	0	+7	+5	+2	+1	0	0	+2	+2	+1
3	—2	0	0	+2	+3	+2	0	+6	+6	+2	0	—2	—1	+2	+3	+1
4	—3	—1	0	+3	+4	+3	+1	+7	+7	+1	—2	—3	—2	+3	+4	+1
5	—4	—1	—1	+3	+5	+6	+3	+10	+6	—1	—5	—4	—4	+2	+6	+1
6	—6	—3	—3	+3	+15	+16	+16	+20	+16	—1	—6	—7	—6	+4	+17	+5
7	—6	0	—2	+7	+22	+22	+23	+20	+21	—2	—5	—10	—5	+6	+22	+8
8	+3	+6	+4	+8	+17	+20	+22	+17	+19	—1	+2	—4	+2	+8	+19	+9
9	+14	+12	+8	+9	+8	+14	+16	+2	+11	—1	+4	+4	+8	+7	+10	+8
10	+15	+11	+10	+10	—1	+4	+3	—13	—5	—5	+5	+8	+10	+2	—2	+4
11	+7	0	+10	+1	—12	—9	—9	—24	—19	—7	+4	+6	+4	—4	—14	—4
12	0	—9	+3	—11	—22	—17	—16	—27	—27	—7	+2	—1	—2	—10	—20	—11
13	—2	—7	—3	—14	—21	—18	—17	—22	—27	—2	+1	—7	—4	—12	—20	—12
14	—4	—4	—4	—14	—17	—17	—13	—15	—17	+3	—1	—4	—3	—8	—16	—9
15	0	—1	—2	—8	—11	—14	—10	—5	—7	+7	—2	—1	—1	—2	—10	—4
16	+3	+1	+1	—1	—3	—6	—3	+5	+1	+9	+2	+3	+2	+2	—2	+1
17	+4	+1	0	+4	+4	—1	+3	+8	+5	+5	+4	+5	+4	+4	+4	+4
18	0	—1	—2	+2	+4	+1	+2	+5	+2	+1	+2	+3	+1	+1	+3	+2
19	0	—1	—2	+1	+1	—1	—1	+1	+1	+1	+2	+3	+1	0	0	0
20	0	0	—2	0	—1	—2	—4	0	+1	0	+1	+2	+1	0	—2	0
21	—1	—1	—2	—1	—2	—1	—6	0	0	—1	0	+1	0	—1	—2	—1
22	—1	—2	—2	—2	—2	0	—5	0	0	0	0	0	—1	—1	—2	—1
23	—2	—2	—2	—2	—2	—1	—4	+1	+1	+2	0	0	—1	0	—2	—1
24	—2	—2	—1	—1	—1	0	—3	+2	+2	+3	+1	0	—1	+1	0	0

Diurnal Variation of H

1919

[Five international quiet days. Time 8h E of Greenwich; 24h or 0h=midnight]

Hour.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group Means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1...	—17	—25	—28	—28	—26	—21	—20	—21	—26	—25	—19	—24	—21	—27	—22	—23
2...	—19	—23	—27	—27	—23	—18	—18	—18	—26	—26	—13	—21	—19	—26	—19	—22
3...	—19	—24	—27	—27	—20	—16	—17	—22	—26	—23	—16	—18	—19	—26	—19	—21
4...	—19	—23	—22	—27	—22	—16	—19	—21	—26	—23	—18	—14	—18	—24	—20	—21
5...	—16	—23	—22	—26	—22	—15	—18	—18	—22	—20	—18	—13	—18	—22	—18	—19
6...	—15	—21	—20	—27	—18	—12	—14	—15	—19	—17	—16	—12	—16	—21	—15	—17
7...	—10	—17	—16	—21	—14	— 5	— 6	—11	—14	—12	—10	— 6	—11	—16	— 9	—12
8...	— 4	— 4	— 3	— 8	— 3	+ 2	0	— 5	— 3	0	+ 1	+ 5	0	— 4	— 2	— 2
9...	+ 8	+13	+15	+11	+12	+15	+13	+ 6	+15	+15	+13	+14	+12	+14	+12	+13
10...	+27	+36	+37	+38	+27	+29	+27	+22	+39	+31	+29	+30	+30	+36	+26	+31
11...	+37	+54	+48	+54	+38	+38	+35	+29	+50	+40	+37	+37	+41	+48	+35	+41
12...	+40	+61	+51	+54	+40	+38	+37	+36	+49	+42	+34	+37	+43	+49	+38	+43
13...	+34	+53	+39	+44	+37	+35	+34	+29	+45	+36	+26	+28	+35	+41	+34	+37
14...	+22	+32	+23	+38	+31	+27	+26	+20	+32	+26	+18	+14	+22	+30	+26	+26
15...	+16	+12	+10	+27	+16	+12	+17	+10	+18	+15	+11	+ 4	+11	+18	+14	+14
16...	+10	0	+ 1	+17	+ 6	— 2	+ 8	+ 3	+ 8	+ 8	+ 3	— 1	+ 3	+ 8	+ 4	+ 5
17...	+ 3	— 5	— 3	+ 6	— 2	— 8	— 1	0	+ 2	+ 4	— 1	— 1	— 1	+ 2	— 3	0
18...	— 1	— 6	— 5	+ 1	— 5	—12	— 7	— 2	— 2	— 4	— 3	— 4	— 4	— 2	— 6	— 4
19...	— 6	—10	— 6	— 6	— 5	—11	— 9	— 4	— 7	— 8	— 5	— 5	— 6	— 7	— 7	— 7
20...	—12	—13	— 6	—11	— 6	—12	—11	— 5	—10	— 9	— 8	— 6	—10	— 9	— 8	— 9
21...	—15	—16	— 7	—16	— 8	—12	—11	— 6	—14	—14	—10	—13	—14	—13	— 9	—12
22...	—15	—15	—10	—19	— 9	—12	—13	— 7	—16	—12	—10	—15	—14	—14	—10	—13
23...	—14	—14	—12	—20	—11	—14	—15	— 6	—17	—11	—11	—16	—14	—15	—12	—13
24...	—13	—17	—15	—22	—12	—13	—14	— 2	—19	— 9	—11	—10	—13	—16	—10	—13

Diurnal Variation of X

1919

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1...	—17	—25	—28	—28	—26	—21	—20	—21	—26	—25	—19	—24	—21	—27	—22	—23
2...	—19	—23	—27	—27	—23	—18	—18	—18	—26	—26	—13	—21	—19	—26	—19	—22
3...	—19	—24	—27	—27	—20	—16	—17	—22	—26	—23	—16	—18	—19	—26	—19	—21
4...	—19	—23	—22	—27	—22	—16	—19	—21	—26	—23	—18	—14	—18	—24	—20	—21
5...	—16	—23	—22	—26	—22	—15	—18	—18	—22	—20	—18	—13	—18	—22	—18	—19
6...	—15	—21	—20	—27	—18	—12	—14	—15	—19	—17	—16	—12	—16	—21	—15	—17
7...	—10	—17	—16	—21	—14	— 5	— 6	—11	—14	—12	—10	— 6	—11	—16	— 9	—12
8...	— 4	— 4	— 3	— 8	— 3	+ 2	0	— 5	— 3	0	+ 1	+ 5	0	— 4	— 2	— 2
9...	+ 8	+13	+15	+11	+12	+15	+13	+ 6	+15	+15	+13	+14	+12	+14	+12	+13
10...	+27	+36	+37	+38	+27	+29	+27	+22	+39	+31	+29	+30	+30	+36	+26	+31
11...	+37	+54	+48	+54	+38	+38	+35	+29	+50	+40	+37	+37	+41	+48	+35	+41
12...	+40	+61	+51	+54	+40	+38	+37	+36	+49	+42	+34	+37	+43	+49	+38	+43
13...	+34	+53	+39	+44	+37	+35	+34	+29	+45	+36	+26	+28	+35	+41	+34	+37
14...	+22	+32	+23	+38	+31	+27	+26	+20	+32	+26	+18	+14	+22	+30	+26	+26
15...	+16	+12	+10	+27	+16	+12	+17	+10	+18	+15	+11	+ 4	+11	+18	+14	+14
16...	+10	0	+ 1	+17	+ 6	— 2	+ 8	+ 3	+ 8	+ 8	+ 3	— 1	+ 3	+ 8	+ 4	+ 5
17...	+ 3	— 5	— 3	+ 6	— 2	— 8	— 1	0	+ 2	+ 4	— 1	— 1	— 1	+ 2	— 3	0
18...	— 1	— 6	— 5	+ 1	— 5	—12	— 7	— 2	— 2	— 4	— 3	— 4	— 4	— 2	— 6	— 4
19...	— 6	—10	— 6	— 6	— 5	—11	— 9	— 4	— 7	— 8	— 5	— 5	— 6	— 7	— 7	— 7
20...	—12	—13	— 6	—11	— 6	—12	—11	— 5	—10	— 9	— 8	— 6	—10	— 9	— 8	— 9
21...	—15	—16	— 7	—16	— 8	—12	—11	— 6	—14	—14	—10	—13	—14	—13	— 9	—12
22...	—15	—15	—10	—19	— 9	—12	—13	— 7	—16	—12	—10	—15	—14	—14	—10	—13
23...	—14	—14	—12	—20	—11	—14	—15	— 6	—17	—11	—11	—16	—14	—15	—12	—13
24...	—13	—17	—15	—22	—12	—13	—14	— 2	—19	— 9	—11	—10	—13	—16	—10	—13

Diurnal Variation of Z

1919

[Five international quiet days. Time 8h E of Greenwich; 24h or 0h=midnight]

Hour.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group Means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	+10	+20	+15	+10	+20	+18	+8	+7	+6	+5	+5	+7	+10	+9	+13	+11
2	+10	+18	+13	+8	+17	+14	+6	+7	+7	+4	+4	+6	+10	+8	+11	+10
3	+10	+14	+11	+8	+13	+10	+4	+7	+7	+4	+4	+4	+8	+8	+8	+8
4	+10	+12	+8	+7	+9	+5	+3	+8	+6	+4	+4	+3	+7	+6	+6	+7
5	+9	+8	+7	+5	+7	+3	+1	+9	+7	+4	+3	+2	+6	+6	+5	+6
6	+9	+6	+5	+5	+2	+2	+2	+8	+8	+4	+3	+1	+5	+6	+4	+5
7	+9	+3	+3	+1	—7	—4	—4	+2	+5	+3	+3	0	+4	+3	—3	+1
8	+10	—5	—2	—2	—16	—10	—10	—1	+1	—1	0	—1	+1	—1	—9	—3
9	+6	—21	—15	—10	—28	—17	—18	—9	—8	—7	—5	—3	—6	—10	—18	—12
10	—5	—41	—25	—18	—37	—22	—23	—15	—16	—12	—11	—8	—16	—18	—24	—19
11	—17	—54	—31	—26	—42	—27	—27	—18	—21	—14	—13	—16	—25	—23	—28	—26
12	—22	—52	—34	—23	—37	—26	—24	—17	—18	—11	—13	—20	—27	—22	—26	—25
13	—22	—38	—26	—20	—24	—21	—17	—13	—12	—6	—10	—15	—21	—16	—19	—19
14	—17	—22	—15	—8	—10	—14	—10	—8	—4	—1	—6	—9	—14	—7	—10	—10
15	—11	—6	—6	—1	+2	—3	—2	—1	+3	+3	—1	0	—4	0	—1	—2
16	—4	+6	0	+3	+12	+8	+4	+4	+4	+4	+1	+4	+2	+3	+7	+4
17	—2	+12	+2	+3	+15	+12	+8	+6	+3	+2	+4	+6	+5	+2	+10	+6
18	—1	+13	+6	+2	+15	+13	+12	+4	+2	+3	+4	+6	+6	+3	+11	+7
19	+2	+17	+10	+3	+15	+12	+14	+3	+2	+4	+5	+6	+8	+5	+11	+8
20	+3	+19	+11	+5	+15	+12	+14	+4	+2	+4	+6	+6	+8	+6	+11	+8
21	+4	+20	+13	+8	+14	+11	+14	+5	+4	+4	+6	+6	+9	+7	+11	+9
22	+5	+20	+14	+9	+14	+11	+15	+6	+5	+4	+6	+5	+9	+8	+12	+10
23	+7	+21	+15	+11	+12	+10	+16	+6	+6	+4	+6	+5	+10	+9	+11	+10
24	+8	+20	+16	+12	+12	+7	+15	+7	+7	+4	+6	+5	+10	+10	+10	+10

Diurnal Variation of I

1919

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	+1.21	+2.30	+1.94	+1.54	+2.30	+2.00	+1.15	+1.09	+1.13	+0.97	+0.83	+1.13	+1.37	+1.40	+1.64	+1.47
2	+1.25	+2.09	+1.74	+1.34	+1.98	+1.60	+0.93	+1.02	+1.21	+0.91	+0.61	+0.99	+1.24	+1.30	+1.38	+1.31
3	+1.25	+1.78	+1.58	+1.34	+1.57	+1.22	+0.75	+1.12	+1.21	+0.85	+0.68	+0.74	+1.11	+1.24	+1.16	+1.17
4	+1.25	+1.59	+1.20	+1.26	+1.29	+0.80	+0.73	+1.18	+1.13	+0.85	+0.73	+0.57	+1.04	+1.11	+1.00	+1.05
5	+1.09	+1.26	+1.12	+1.08	+1.12	+0.61	+0.51	+1.19	+1.11	+0.77	+0.65	+0.46	+0.86	+1.02	+0.86	+0.91
6	+1.07	+1.05	+0.91	+1.10	+0.61	+0.45	+0.49	+1.03	+1.12	+0.70	+0.60	+0.36	+0.77	+0.96	+0.64	+0.79
7	+0.95	+0.69	+0.64	+0.62	—0.24	—0.22	—0.21	+0.43	+0.75	+0.50	+0.45	+0.14	+0.56	+0.63	—0.06	+0.38
8	+0.89	—0.30	—0.08	+0.06	—1.26	—0.88	—0.83	+0.04	+0.16	—0.11	—0.07	—0.21	+0.08	+0.01	—0.73	—0.22
9	+0.26	—2.05	—1.59	—1.06	—2.62	—1.78	—1.78	—0.89	—1.03	—0.97	—0.78	—0.58	—0.79	—1.16	—1.77	—1.24
10	—1.09	—4.21	—2.96	—2.39	—3.73	—2.53	—2.56	—1.78	—2.27	—1.78	—1.65	—1.38	—2.08	—2.35	—2.65	—2.36
11	—2.34	—5.74	—3.73	—3.43	—4.41	—3.17	—3.09	—2.20	—2.95	—2.17	—2.01	—2.22	—3.08	—3.07	—3.22	—3.12
12	—2.82	—5.76	—4.05	—3.17	—4.04	—3.08	—2.88	—2.28	—2.67	—1.98	—1.94	—2.55	—3.27	—2.97	—3.07	—3.10
13	—2.67	—4.39	—3.09	—2.69	—2.89	—2.59	—2.28	—1.78	—2.08	—1.39	—1.50	—1.92	—2.62	—2.31	—2.38	—2.44
14	—1.97	—2.55	—1.79	—1.55	—1.58	—1.82	—1.46	—1.15	—1.10	—0.73	—0.96	—1.09	—1.64	—1.29	—1.50	—1.48
15	—1.33	—0.74	—0.72	—0.68	—0.22	—0.54	—0.58	—0.32	—0.18	—0.14	—0.39	—0.10	—0.64	—0.43	—0.42	—0.50
16	—0.60	+0.55	—0.03	—0.12	+0.86	+0.71	+0.15	+0.26	+0.14	+0.11	—0.04	+0.35	+0.06	+0.02	+0.50	+0.19
17	—0.26	+1.16	+0.25	+0.15	+1.30	+1.19	+0.70	+0.50	+0.20	+0.03	+0.34	+0.51	+0.44	+0.16	+0.92	+0.51
18	—0.10	+1.26	+0.63	+0.16	+1.38	+1.37	+1.17	+0.38	+0.22	+0.32	+0.39	+0.58	+0.53	+0.33	+1.08	+0.65
19	+0.27	+1.69	+0.98	+0.43	+1.38	+1.26	+1.38	+0.35	+0.34	+0.47	+0.49	+0.60	+0.76	+0.56	+1.09	+0.80
20	+0.50	+1.92	+1.08	+0.72	+1.40	+1.28	+1.43	+0.45	+0.41	+0.49	+0.65	+0.62	+0.92	+0.68	+1.14	+0.91
21	+0.66	+2.07	+1.26	+1.08	+1.36	+1.20	+1.43	+0.56	+0.67	+0.61	+0.70	+0.80	+1.06	+0.90	+1.14	+1.03
22	+0.74	+2.05	+1.43	+1.23	+1.39	+1.20	+1.55	+0.67	+0.80	+0.56	+0.70	+0.76	+1.06	+1.00	+1.20	+1.09
23	+0.88	+2.11	+1.55	+1.43	+1.27	+1.17	+1.68	+0.64	+0.91	+0.54	+0.72	+0.79	+1.12	+1.11	+1.19	+1.14
24	+0.94	+2.10	+1.71	+1.55	+1.29	+0.89	+1.58	+0.63	+1.04	+0.49	+0.72	+0.64	+1.10	+1.20	+1.10	+1.13

Diurnal Variation of F

1919

[Five international quiet days. Time 8h E of Greenwich; 24h or 0h=midnight]

Hour.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group Means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	−14	−21	−23	−25	−19	−15	−17	−18	−24	−23	−18	−22	−19	−24	−17	−20
2	−16	−19	−23	−25	−17	−13	−16	−15	−23	−24	−12	−19	−16	−24	−15	−18
3	−16	−19	−23	−25	−16	−13	−15	−19	−23	−22	−15	−17	−17	−23	−16	−19
4	−16	−18	−19	−25	−19	−14	−17	−18	−24	−22	−17	−13	−16	−22	−17	−18
5	−14	−19	−19	−24	−19	−13	−17	−15	−20	−19	−17	−11	−15	−20	−16	−17
6	−13	−17	−18	−25	−17	−11	−12	−12	−16	−16	−15	−10	−14	−19	−13	−15
7	−8	−14	−15	−21	−15	−6	−7	−10	−13	−11	−9	−4	−9	−15	−10	−11
8	−1	−4	−4	−10	−7	−1	−3	−5	−3	0	0	+6	0	−4	−4	−3
9	+9	+8	+10	+6	+4	+10	+9	+3	+12	+14	+11	+14	+10	+10	+6	+9
10	+26	+24	+30	+33	+16	+22	+20	+17	+33	+29	+27	+29	+26	+31	+19	+26
11	+32	+37	+39	+46	+25	+29	+27	+23	+42	+36	+33	+34	+34	+41	+26	+34
12	+34	+44	+42	+47	+28	+30	+30	+30	+42	+39	+31	+33	+36	+42	+30	+36
13	+30	+41	+32	+38	+29	+28	+29	+24	+39	+34	+24	+25	+30	+36	+28	+31
14	+17	+26	+18	+35	+27	+22	+22	+17	+29	+26	+16	+13	+18	+27	+22	+22
15	+13	+11	+7	+25	+16	+11	+16	+9	+18	+16	+10	+6	+10	+16	+13	+13
16	+9	+2	+1	+16	+9	0	+9	+4	+8	+9	+3	+2	+4	+8	+6	+6
17	+3	−1	−3	+5	+2	−4	+1	+2	+2	+5	0	+1	+1	+2	0	+1
18	−1	−2	−4	+1	0	−8	−3	−1	−2	−3	−2	−2	−2	−2	−3	−2
19	−5	−5	−3	−6	0	−7	−5	−3	−7	−7	−4	−3	−4	−6	−4	−5
20	−11	−7	−3	−10	−1	−8	−7	−3	−9	−8	−7	−4	−7	−8	−5	−6
21	−14	−10	−4	−14	−4	−8	−7	−4	−13	−13	−9	−11	−11	−11	−6	−9
22	−13	−9	−6	−16	−5	−8	−9	−5	−14	−11	−9	−13	−11	−12	−7	−10
23	−12	−8	−8	−17	−7	−11	−11	−4	−15	−10	−10	−14	−11	−12	−8	−11
24	−11	−11	−12	−18	−8	−10	−10	0	−17	−8	−10	−8	−10	−14	−7	−10

Summary of Monthly Means, 1919

Month.	D.	Y.	H.	X.	Z.	I.	F.
	° ′	γ	γ	γ	γ	° ′	γ
January	0 35.36	393	38130	38128	11079	16 12.14	39709
February	0 35.50	394	38125	38123	11044	16 9 27	39695
March	0 36.02	399	38106	38104	11039	16 9.34	39673
April	0 36.24	402	38106	38104	11034	16 8.90	39672
May	0 35.98	399	38078	38076	11047	16 10.69	39648
June	0 36.09	400	38099	38097	11007	16 6.76	39657
July	0 36.43	404	38092	38090	10996	16 6.11	39647
August	0 36.26	401	38054	38052	11040	16 10.69	39623
September	0 35.81	397	38135	38133	11057	16 10.15	39706
October	0 36.28	402	38135	38133	11080	16 12.11	39712
November	0 36.82	408	38134	38132	11085	16 12.56	39713
December	0 36.70	407	38092	38090	11071	16 12.37	39666
Year	0 36.13	400	38107	38105	11048	16 10.10	39677

HOURLY VALUES OF DECLINATION

JANUARY, 1919

0° East plus tabular quantities

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	35.08	35.22	35.36	35.50	35.50	35.08	34.94	35.22	35.36	35.22	34.94	34.65	35.22	36.07	36.50
2[a]	35.36	35.22	35.36	35.50	35.50	35.36	35.22	35.50	36.07	35.36	34.94	34.37	34.79	35.08	36.07
3[b]	35.23	35.23	35.23	35.23	35.37	35.37	35.51	36.08	36.36	35.51	34.51	34.08	34.80	35.24	35.93
4[b]	35.37	35.23	35.94	35.37	35.80	35.51	35.23	35.09	34.09	32.67	33.24	34.09	35.09	35.37	36.65
5[b]	34.95	34.09	34.09	34.80	34.80	34.24	33.53	34.24	34.95	33.81	33.53	33.24	34.09	35.23	36.22
6	34.96	35.81	34.96	35.24	34.96	34.81	34.96	35.52	35.52	34.81	34.39	33.82	34.10	34.39	34.96
7	35.10	35.24	34.96	34.81	35.10	35.24	35.38	35.52	36.94	36.38	35.10	35.24	35.24	35.10	36.23
8	34.82	34.97	35.25	35.25	35.25	35.25	35.25	35.53	36.10	34.82	34.11	34.68	35.39	35.68	36.24
9	35.11	35.11	35.25	35.39	35.39	35.25	34.82	35.25	36.24	36.66	34.82	34.26	34.82	35.25	35.68
10	35.11	35.11	35.25	35.25	35.39	35.25	34.82	35.11	35.82	35.25	33.69	33.83	34.11	34.26	34.68
11[a]	35.26	35.26	35.26	35.12	34.98	34.55	34.41	35.83	36.96	38.24	36.96	36.68	36.82	36.40	36.54
12	35.26	35.26	35.12	34.98	34.83	34.55	34.12	34.69	35.54	36.25	35.26	34.83	34.69	34.12	34.27
13	35.27	35.13	34.99	34.99	34.84	34.70	34.99	35.55	36.41	37.26	36.83	36.26	36.97	36.83	36.97
14	35.55	35.55	35.41	35.41	35.27	35.13	34.28	34.56	35.41	35.55	35.27	34.99	35.27	35.55	36.12
15	35.27	35.13	34.99	34.84	34.56	34.28	34.42	34.99	35.70	36.26	36.41	36.55	36.41	36.26	36.26
16	35.42	35.28	35.42	35.42	35.28	35.00	34.14	34.29	34.71	34.43	34.29	34.29	34.22	35.77	36.62
17	35.36	35.64	35.22	35.22	35.08	34.80	34.37	34.09	34.80	34.66	33.81	33.39	33.25	33.81	34.66
18[b]	34.81	34.67	35.09	34.81	34.95	34.95	34.24	34.52	34.38	33.40	32.55	32.69	34.10	34.95	36.22
19	34.82	34.96	35.52	34.96	34.82	34.96	34.39	34.25	35.24	34.82	32.56	32.42	32.84	33.83	35.10
20	34.97	35.11	34.83	35.39	34.97	35.25	35.11	35.39	34.40	33.70	32.99	33.13	33.70	34.12	35.25
21	34.97	35.25	35.11	34.97	34.83	34.83	35.53	36.94	38.35	37.36	35.11	34.26	34.97	34.97	35.53
22	35.26	35.12	35.26	35.12	34.98	34.84	34.27	34.70	35.12	36.11	35.68	34.84	34.41	35.12	85.96
23	34.99	35.13	35.41	34.99	35.26	35.13	35.26	36.12	36.68	36.26	34.56	33.44	33.72	33.44	34.14
24	35.14	35.00	35.00	34.86	35.28	35.42	35.56	35.98	36.83	36.97	35.14	33.73	33.87	34.72	35.28
25[a]	35.29	35.29	35.29	35.15	35.01	34.87	34.87	35.57	36.98	36.84	36.28	35.43	34.87	33.88	34.02
26[a]	35.29	35.29	35.15	35.15	35.15	35.01	34.87	35.29	35.57	35.71	35.43	34.87	34.16	34.87	35.15
27[a]	35.30	35.30	35.30	35.16	35.02	34.88	35.16	36.29	37.56	37.70	36.29	35.72	35.30	34.74	34.88
28	35.17	35.17	35.17	35.31	35.45	35.31	34.75	34.89	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	36.59	35.88	35.74	35.74	34.61	34.05	33.63	33.49
30	35.19	35.19	35.33	35.47	35.47	35.33	35.05	35.75	36.32	36.32	35.61	35.19	34.91	34.34	34.62
31[b]	35.33	35.33	35.47	35.47	35.33	35.19	35.33	35.75	37.16	36.74	34.34	33.78	34.77	35.47	36.32
Mean	35.17	35.18	35.20	35.17	35.15	35.01	34.83	35.33	35.92	35.69	34.81	34.45	34.70	34.95	35.55
Mean[a]	35.30	35.27	35.27	35.22	35.13	34.93	34.91	35.70	36.63	36.77	35.98	35.41	35.19	34.99	35.33
Mean[b]	35.14	34.91	35.16	35.14	35.25	35.05	34.77	35.14	35.39	34.43	33.63	33.58	34.57	35.25	36.27

FEBRUARY, 1919

0° East plus tabular quantities

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1[b]	35.06	34.92	33.93	34.35	33.79	33.65	33.37	33.28	34.42	33.42	32.71	32.85	33.56	34.98	35.69
2	35.39	35.25	35.11	34.96	34.82	34.68	34.54	35.81	36.38	36.10	35.25	35.53	35.81	36.67	37.52
3	35.52	35.66	35.66	35.10	35.24	34.39	33.53	33.25	34.24	34.10	33.68	34.24	35.10	36.23	37.08
4	35.64	35.64	35.50	35.36	34.79	34.51	34.22	35.08	36.07	36.78	34.65	34.37	34.93	36.50	38.06
5	34.78	35.21	35.77	35.63	35.49	34.64	34.21	33.79	33.50	32.94	31.66	32.08	33.22	34.64	36.63
6	35.61	35.05	34.76	34.76	34.90	34.62	34.90	36.32	37.46	37.18	35.61	35.05	36.18	36.47	36.32
7[a]	35.46	35.46	35.32	35.18	34.89	34.61	34.33	35.18	35.89	36.31	35.46	35.04	35.60	36.17	36.74
8	35.30	35.16	35.16	35.02	34.87	34.73	34.87	36.15	37.57	36.44	34.73	33.31	32.89	33.17	34.59
9	35.29	35.43	35.57	35.57	35.29	35.01	35.57	36.00	37.14	35.86	34.44	34.15	34.58	34.86	36.14
10[a]	35.41	35.55	35.70	35.41	35.41	34.84	35.13	36.26	37.40	37.40	35.98	34.28	34.28	34.56	34.84
11[a]	35.54	35.54	35.69	35.69	35.54	35.40	35.97	36.40	36.96	35.97	34.41	33.56	34.12	34.98	35.54
12[a]	35.24	35.38	35.38	35.38	35.52	35.67	35.95	36.23	36.52	36.66	35.95	34.81	34.96	34.53	34.96
13	35.09	35.23	35.37	35.23	35.09	34.95	35.66	36.08	36.22	35.94	35.09	34.66	35.37	36.22	36.08
14[b]	35.64	35.78	35.07	35.21	35.07	34.50	33.65	33.36	33.08	32.80	32.94	33.93	33.79	35.64	35.78
15	35.48	35.06	34.77	35.63	35.48	34.92	34.35	34.06	33.64	34.06	34.35	34.49	34.34	35.91	36.05
16	35.18	35.46	35.75	36.03	35.75	35.18	34.33	34.19	34.04	33.76	34.04	34.47	35.89	36.32	37.03
17	34.46	35.31	35.74	35.74	35.88	35.17	34.32	33.61	33.32	33.04	33.89	34.46	35.60	37.02	37.30
18	35.04	35.04	35.04	35.18	35.46	35.32	35.61	35.18	34.47	34.04	33.62	34.33	35.46	36.88	37.45
19	34.92	34.77	35.48	35.91	36.19	36.19	35.91	35.20	34.21	33.35	33.21	33.64	34.06	34.77	35.48
20	35.22	35.22	35.22	35.36	35.50	35.65	35.65	35.36	34.51	34.23	34.23	34.37	34.51	35.79	36.78
21[b]	35.38	35.52	35.52	35.52	35.38	35.24	35.24	34.81	34.39	33.96	34.10	34.39	34.67	35.95	36.38
22[b]	34.41	34.55	35.54	35.12	35.26	35.40	34.83	33.84	33.56	33.41	34.12	34.41	34.27	35.54	36.40
23	35.28	35.42	34.14	35.28	35.56	35.14	35.56	34.43	34.71	35.14	35.42	34.71	35.14	35.85	36.27
24	35.30	35.58	35.30	35.44	35.58	35.02	34.31	34.16	34.45	34.59	34.87	35.16	35.44	35.73	35.87
25[a]	35.60	35.60	35.60	35.60	35.75	35.89	36.17	36.31	35.89	35.75	35.60	35.46	35.18	35.18	34.89
26	35.77	35.91	36.05	36.19	36.05	35.91	35.77	35.62	35.34	35.62	35.77	35.62	35.48	35.34	35.62
27	35.64	35.79	35.93	36.07	35.93	35.64	34.65	34.37	34.22	34.22	34.51	35.08	35.36	34.93	35.22
28[b]	35.66	35.81	35.95	36.80	36.37	35.81	34.95	34.53	34.39	33.96	35.66	35.95	36.94	37.23	37.37
Mean	35.30	35.37	35.36	35.45	35.39	35.10	34.91	34.96	35.14	34.89	34.50	34.44	34.48	35.64	36.22
Mean[a]	35.45	35.51	35.54	35.45	35.42	35.28	35.51	36.08	36.53	36.42	35.48	34.63	34.83	35.08	35.39
Mean[b]	35.23	35.32	35.20	35.40	35.17	34.92	34.41	33.96	33.97	33.51	33.91	34.31	34.65	35.87	36.32

[a] Five international quiet days.

[b] Five international disturbed days.

HOURLY VALUES OF DECLINATION

JANUARY, 1919

0° East plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
′	′	′	′	′	′	′	′	′	′	h.	m.	′	h.	m.	′	′	
36.64	36.21	35.79	36.07	35.93	35.65	35.50	35.36	35.36	35.52	16	00	36.64	12	00	34.65	1.99	1
36.36	36.21	35.79	35.64	35.50	35.50	35.36	35.22	35.22	35.44	16	18	36.43	12	00	34.37	2.06	2
36.50	36.37	36.22	36.22	36.08	35.80	35.65	35.51	35.37	35.56	16	00	36.50	12	00	34.08	2.42	3
37.50	36.79	36.65	36.65	37.22	36.37	36.65	34.80	34.95	35.51	20	18	37.64	10	06	32.60	5.04	4
37.08	36.37	36.22	36.79	36.37	35.09	35.23	34.95	34.80	34.95	16	21	37.15	12	00	33.24	3.91	5
35.38	36.09	36.38	36.52	35.95	35.52	35.38	35.10	34.96	35.19	17	24	36.80	12	00	33.82	2.98	6
36.80	36.38	36.52	36.66	35.81	35.52	35.24	34.96	34.81	35.60	9	18	37.01	4	12	34.74	2.27	7
36.39	36.24	36.10	36.24	35.82	35.53	35.11	35.25	35.11	35.43	16	00	36.39	11	00	34.11	2.28	8
36.24	36.10	35.39	35.25	35.25	35.25	34.97	35.11	35.11	35.33	16	36	36.31	11	27	34.19	2.12	9
35.25	35.96	35.68	35.68	35.52	35.39	35.25	35.39	35.52	35.11	17	00	35.96	11	00	33.69	2.27	10
36.40	36.25	35.69	35.54	35.54	35.40	35.40	35.26	35.26	35.83	10	00	38.24	7	00	34.41	3.83	11
34.83	35.26	35.40	35.69	35.54	35.40	35.26	35.12	35.12	35.06	10	00	36.25	14	20	34.05	2.20	12
36.97	36.83	36.97	37.40	36.41	35.84	35.70	35.70	35.55	36.06	19	00	37.40	6	00	34.70	2.70	13
36.69	36.41	35.84	36.12	35.98	35.98	35.84	35.55	35.41	35.55	16	06	36.90	7	18	34.21	2.69	14
36.41	35.55	35.27	35.27	35.27	35.13	35.13	35.27	35.41	35.46	12	00	36.55	6	00	34.28	2.27	15
36.48	36.34	36.20	36.06	35.91	35.07	34.89	35.21	34.79	35.23	15	30	36.83	7	00	34.14	2.69	16
35.50	35.92	35.22	35.50	36.21	35.64	35.22	34.94	34.51	34.87	20	00	36.21	15	42	33.18	3.03	17
36.50	36.64	35.09	36.22	36.08	35.65	35.51	35.37	35.37	34.95	17	00	36.64	11	00	32.55	4.09	18
35.66	35.94	35.80	36.09	35.66	35.24	35.10	35.10	34.96	34.79	19	00	36.09	11	18	32.35	3.74	19
35.53	36.24	35.95	35.81	35.53	35.39	35.39	35.25	35.11	34.94	17	00	36.24	11	00	32.99	3.25	20
35.24	36.38	35.39	35.67	35.67	35.53	35.39	35.25	35.11	35.53	9	00	38.35	12	00	34.26	4.09	21
36.39	36.67	36.25	35.54	35.68	35.40	35.26	35.26	35.26	35.35	17	00	36.67	7	00	34.27	2.40	22
35.13	35.55	35.41	35.41	35.41	35.41	35.26	35.26	35.26	35.11	9	27	36.75	12	20	33.37	3.38	23
35.70	36.27	35.70	35.70	35.56	35.42	35.28	35.28	35.28	35.37	10	00	36.97	12	00	33.73	3.24	24
34.87	35.29	35.29	35.43	35.57	35.43	35.43	35.29	35.29	35.31	9	42	37.05	14	00	33.88	3.17	25
35.43	35.57	35.57	35.57	35.57	35.43	35.29	35.29	35.29	35.25	10	00	35.71	13	00	34.16	1.55	26
35.30	35.44	35.02	35.16	35.30	35.30	35.16	35.16	35.16	35.48	10	00	37.70	14	00	34.74	2.96	27
------	------	------	------	------	------	------	------	------	------	------		------	------		------	------	28
33.91	34.61	35.46	35.46	34.61	35.18	35.32	35.32	35.18	------	------		------	------		------	------	29
35.05	35.75	35.61	35.47	35.47	35.19	35.05	35.19	35.19	35.34	9	18	36.39	13	27	34.27	2.12	30
36.46	36.32	35.75	36.32	36.32	35.61	35.19	35.05	35.05	35.58	9	24	37.30	12	00	33.78	3.52	31
35.95	36.06	35.79	35.90	35.76	35.48	35.35	35.23	35.16	35.33	----------		36.80	----------		33.89	2.91	------
35.67	35.75	35.47	35.47	35.50	35.41	35.33	35.24	35.24	35.46	----------		37.02	----------		34.31	2.71	------
36.81	36.50	35.99	36.44	36.41	35.70	35.65	35.14	35.11	35.31	----------		37.05	----------		33.25	3.80	------

FEBRUARY, 1919

0° East plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
′	′	′	′	′	′	′	′	′	′	h.	m.	′	h.	m.	′	′	
36.83	37.26	36.40	36.40	36.12	36.26	35.83	35.55	35.41	34.84	16	48	37.40	11	10	32.64	4.76	1
37.52	37.09	36.38	36.10	35.81	35.53	35.67	35.67	35.67	35.80	15	36	37.59	7	00	34.54	3.05	2
37.37	37.79	35.66	35.80	35.80	35.66	35.52	35.52	35.66	35.32	17	00	37.79	8	00	33.25	4.54	3
38.34	37.49	35.93	35.78	35.64	35.93	35.22	35.22	34.93	35.69	15	40	38.41	7	10	34.15	4.26	4
37.76	36.91	36.06	35.92	35.92	36.06	35.63	35.49	35.63	34.98	16	00	37.76	11	36	31.59	6.17	5
36.04	35.47	35.05	35.47	35.61	35.61	35.61	35.61	35.47	35.63	9	30	37.53	6	00	34.62	2.91	6
36.60	36.31	35.74	35.60	35.60	35.46	35.46	35.46	35.46	35.56	15	00	36.74	6	36	34.26	2.48	7
35.58	35.72	35.02	35.58	35.72	35.58	35.44	35.30	35.30	35.13	9	00	37.57	13	00	32.89	4.68	8
36.43	36.29	35.71	35.57	35.43	35.29	35.15	35.43	35.43	35.48	9	00	37.14	12	00	34.15	2.99	9
35.55	35.84	35.70	35.55	35.55	35.41	35.41	35.27	35.41	35.51	9	27	37.47	12	06	34.21	3.26	10
35.83	35.97	35.69	35.54	35.54	35.40	35.26	35.12	35.12	35.45	9	00	36.96	12	20	33.49	3.47	11
35.81	36.09	35.67	35.67	35.81	35.67	35.52	35.38	35.24	35.58	10	00	36.66	14	00	34.53	2.13	12
36.08	35.94	35.80	35.66	35.51	35.09	35.23	34.80	35.37	35.49	14	30	36.29	12	00	34.66	1.63	13
36.06	35.78	35.49	35.49	35.64	35.49	35.64	35.64	35.49	34.87	16	39	36.20	10	09	32 66	3.54	14
35.91	35.77	35.63	35.63	35.77	35.20	35.06	35.06	34.92	35.06	15	00	36.05	9	00	33.64	2.41	15
37.31	35.75	34.90	35.32	34.75	34.75	34.90	34.75	34.90	35.20	16	00	37.31	10	15	33.69	3.62	16
37.44	36.16	35.74	36.03	35.60	35.45	35.31	35.17	35.03	35.28	16	00	37.44	10	00	33.04	4.40	17
37.59	36.17	35.18	35.75	35.46	35.04	34.90	34.75	34.90	35.33	16	00	37.59	10	54	33.55	4.04	18
35.77	35.77	35.34	35.48	35.48	35.34	35.34	35.20	35.20	35.09	6	12	36.26	11	00	33.21	3.05	19
37.21	36.36	35.79	35.93	35.65	35.08	34.94	35.22	35.22	35.38	16	00	37.21	11	10	34.16	3.05	20
36.94	35.95	35.81	35.67	35.52	34.96	34.96	35.24	35.10	35.28	16	20	37.01	10	00	33.96	3.05	21
36.54	35.97	35.54	35.83	35.69	35.54	35.26	35.12	35.12	35.05	16	00	36.54	10	00	33.41	3.13	22
36.42	35.85	35.71	35.42	35.14	35.28	35.14	35.14	35.14	35.30	15	40	36.49	3	00	34.14	2.35	23
35.73	35.58	35.44	35.44	35.44	35.30	35.16	35.30	35.44	35.23	15	00	35.87	8	00	34.16	1.71	24
34.33	34.18	34.61	34.89	35.18	35.46	35.32	35.46	35.60	35.40	8	00	36.31	17	00	34.18	2.13	25
35.48	35.62	35.62	35.48	35.34	35.20	35.34	35.48	35.62	35.64	4	00	36.19	9	18	35.13	1.06	26
35.64	35.50	35.22	35.22	35.22	35.36	35.50	35.50	35.64	35.26	4	00	36.07	9	48	34.15	1.92	27
36.80	36.37	35.95	36.66	36.09	35.81	35.66	35.66	35.81	35.92	14	18	37.58	10	36	33.89	3.69	28
36.46	36.11	35.60	35.67	35.57	35.44	35.34	35.30	35.33	35.35	----------		36.98	----------		33.78	3.20	------
35.62	35.68	35.48	35.45	35.54	35.48	35.39	35.34	35.37	35.50	----------		36.83	----------		34.13	2.70	------
36.63	36.27	35.84	36.01	35.81	35.61	35.47	35.44	35.39	35.19	----------		36.94	----------		33.31	3.63	------

HOURLY VALUES OF DECLINATION

MARCH, 1919

0° East plus tabular quantities

Day.	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h	15 h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1 [b]	35.40	35.26	35.12	35.40	35.12	34.41	33.27	32.99	33.13	33.55	33.70	34.97	35.68	36.25	37.39
2 [b]	35.28	34.99	34.85	35.28	35.14	34.71	34.57	34.57	34.57	34.43	34.28	34.57	35.70	36.41	36.70
3	35.01	35.58	34.73	35.01	34.87	34.30	34.16	34.73	35.01	35.30	35.58	35.72	35.44	34.59	35.87
4	35.59	35.73	35.88	36.02	35.88	35.31	35.17	35.31	35.59	35.88	35.73	35.02	34.88	35.59	36.02
5	35.74	35.89	36.03	35.89	35.74	35.60	36.03	36.45	36.03	35.74	35.89	36.03	36.17	36.17	36.03
6	35.75	35.90	36.04	35.90	35.61	35.33	35.47	35.61	35.75	35.47	35.61	35.75	36.32	37.46	37.88
7	36.05	36.05	35.91	35.76	35.76	35.34	34.77	35.48	35.91	36.19	36.05	35.76	35.91	36.05	36.19
8 [a]	35.93	35.93	36.07	36.07	36.21	36.07	35.93	36.64	36.92	36.49	36.64	36.49	35.50	35.36	35.64
9 [a]	35.94	35.79	35.65	35.79	35.79	35.37	35.23	35.65	36.08	36.50	36.93	37.21	36.22	35.94	35.65
10 [a]	35.80	36.09	35.95	35.95	35.95	35.80	35.95	36.80	37.37	37.66	36.66	35.38	35.80	36.09	36.37
11	35.81	35.96	35.81	35.81	35.67	35.53	35.81	36.10	36.81	37.09	37.23	36.67	35.67	35.39	35.25
12	35.98	35.98	36.12	35.98	35.83	35.83	35.98	36.12	36.26	36.79	36.54	36.12	35.83	35.69	36.26
13	36.41	36.41	36.27	36.13	35.84	35.99	36.13	36.55	36.80	36.55	36.41	36.13	35.13	35.41	35.60
14	36.00	36.28	36.42	36.14	36.14	36.28	36.99	36.85	36.71	36.56	36.42	36.14	35.57	35.43	35.85
15	36.29	36.29	36.29	36.15	36.01	35.72	35.58	35.44	35.44	35.44	35.15	35.01	34.87	35.15	35.72
16	36.30	36.44	36.44	36.30	36.16	36.02	36.30	36.44	36.58	37.29	36.87	36.30	35.87	36.16	36.30
17	36.31	36.45	36.45	36.31	36.17	36.03	35.46	35.46	35.46	36.17	36.45	35.17	34.89	35.88	36.03
18 [a]	35.89	36.04	36.18	36.04	35.89	35.61	35.89	36.60	37.02	37.31	36.60	35.18	34.62	34.90	35.18
19	36.19	36.33	36.33	36.19	36.05	35.49	35.20	36.05	37.32	37.76	38.33	37.32	35.90	35.76	36.19
20 [b]	36.92	37.63	37.06	37.20	37.34	36.21	36.07	36.35	36.07	35.36	34.93	34.36	34.65	34.79	35.78
21 [b]	36.37	36.23	36.09	36.37	36.65	36.37	36.09	35.80	36.09	35.66	34.67	34.24	32.39	33.53	34.81
22 [b]	36.24	36.10	36.24	36.38	36.24	36.10	36.24	36.24	36.24	36.38	36.38	36.24	35.39	35.10	34.96
23	36.12	36.26	36.12	35.97	36.12	35.83	36.40	36.54	36.40	36.26	36.40	36.12	34.55	34.27	35.26
24 [a]	35.98	36.13	36.27	36.13	35.84	35.70	35.98	36.27	36.27	36.41	37.12	36.69	35.98	35.84	36.27
25	36.29	36.43	36.43	36.43	36.29	36.00	36.00	36.29	36.71	37.00	37.42	36.57	35.72	35.44	36.00
26	36.30	36.30	36.44	36.44	36.30	35.59	35.30	35.30	35.16	35.02	34.88	34.74	34.59	34.88	36.01
27	36.46	36.60	36.74	36.74	36.46	36.03	35.47	35.47	35.32	35.18	35.04	34.19	33.90	34.33	35.18
28	36.04	36.75	36.75	36.61	36.47	36.04	35.48	35.19	33.91	34.77	34.91	35.05	35.19	35.19	35.33
29	36.35	36.35	36.21	35.78	36.06	35.21	35.35	35.64	36.06	36.49	36.63	36.35	35.64	35.35	35.35
30	36.22	36.22	36.07	35.93	35.65	35.36	36.07	36.78	37.21	36.36	35.08	34.51	34.23	34.51	35.08
31	36.65	36.51	36.51	36.37	36.23	36.08	36.23	36.65	37.22	36.94	36.51	35.37	34.66	34.81	36.23
Mean	36.05	36.16	36.11	36.08	35.98	35.65	35.63	35.88	36.05	36.13	36.03	35.66	35.25	35.41	35.88
Mean [a]	35.91	36.00	36.02	36.00	35.94	35.71	35.80	36.39	36.73	36.87	36.79	36.19	35.62	35.63	35.82
Mean [h]	36.04	36.04	35.87	36.13	36.10	35.56	35.25	35.19	35.22	35.08	34.79	34.88	34.76	35.22	35.93

APRIL, 1919

0° East plus tabular quantities

Day.	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h	15 h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	36.38	36.38	36.38	36.24	36.24	36.09	36.38	36.24	36.52	36.66	36.80	35.95	35.38	34.96	35.67
2	36.24	36.24	36.09	36.09	36.09	35.95	36.38	36.80	37.09	37.37	37.09	35.81	35.10	34.96	36.09
3 [a]	36.25	36.39	36.53	36.39	36.39	36.25	36.39	37.10	38.23	38.66	37.52	35.25	33.69	33.69	34.83
4	36.25	36.39	36.53	36.53	36.39	36.25	36.67	37.24	38.23	38.80	37.95	35.96	34.97	35.25	35.68
5 [a]	36.26	36.40	36.40	36.54	36.54	36.26	36.54	36.82	36.82	36.68	36.11	35.55	35.69	35.97	36.54
6	36.40	36.54	36.68	36.68	36.40	36.26	36.54	37.11	37.25	36.82	36.26	35.26	35.12	35.12	35.97
7 [b]	36.12	36.27	36.41	36.41	36.27	36.41	36.69	36.41	36.27	35.98	35.70	36.27	35.98	35.84	36.41
8 [b]	36.27	36.41	36.27	36.12	35.84	35.13	36.41	36.12	35.27	34.99	35.27	35.13	34.99	34.28	34.70
9	35.99	36.13	36.42	36.28	35.99	36.28	36.85	36.70	36.56	36.28	35.42	34.43	33.86	33.58	33.86
10	36.42	36.56	36.70	36.70	36.56	36.42	36.84	37.13	36.84	36.28	36.13	34.71	33.72	33.72	34.57
11	36.57	36.71	37.00	36.85	36.57	36.57	36.43	36.57	36.57	36.57	36.14	35.15	34.16	34.30	34.87
12	36.43	36.57	36.71	36.57	36.57	36.71	37.42	37.28	37.14	36.43	35.15	34.30	33.51	34.08	34.87
13	36.58	36.72	36.86	36.86	37.01	37.57	37.86	38.00	37.86	36.44	35.30	34.88	34.45	35.16	36.15
14 [a]	36.44	36.72	36.86	37.01	36.86	36.58	37.29	37.72	37.43	37.01	36.44	35.44	35.16	35.02	35.16
15	36.44	36.58	36.58	36.44	36.30	36.30	36.58	36.72	37.15	37.72	37.57	36.30	35.16	34.88	35.16
16 [b]	36.30	36.58	36.72	36.72	36.86	37.43	37.86	37.43	37.15	36.01	35.02	34.31	34.02	33.46	33.74
17 [b]	36.72	36.72	36.58	36.44	36.72	36.58	37.72	38.00	36.86	36.30	36.15	35.44	34.88	34.02	34.45
18 [b]	36.58	37.15	36.72	36.58	36.15	36.44	36.58	36.86	36.44	35.73	35.44	34.73	34.31	34.59	35.87
19	36.72	36.86	37.01	36.86	36.72	36.58	37.15	37.86	37.29	36.58	36.01	35.02	34.88	35.02	35.16
20	36.44	36.58	36.44	36.30	36.15	36.01	37.01	37.43	37.72	37.15	36.58	35.30	34.59	34.73	35.44
21	36.43	36.43	36.57	36.57	36.57	36.71	37.28	37.71	36.85	36.00	35.15	34.87	34.58	34.72	35.15
22	36.29	36.71	37.00	36.85	36.43	36.57	37.56	37.56	37.14	36.00	34.87	33.73	33.45	33.73	35.15
23	36.29	36.43	36.57	36.43	36.29	37.00	37.85	37.99	36.57	36.14	35.43	34.16	33.73	34.30	34.72
24	36.29	36.29	36.14	36.29	36.29	36.57	37.42	37.28	36.85	36.43	35.58	34.87	34.72	34.87	35.15
25	36.14	36.14	36.14	36.00	36.00	37.14	37.85	37.71	37.56	36.43	35.72	35.01	34.72	34.72	35.15
26 [a]	36.14	36.29	36.29	36.29	36.43	36.71	37.28	37.28	37.14	36.85	36.29	36.00	36.29	36.14	36.29
27	36.42	36.56	36.56	36.42	36.42	36.84	37.84	37.98	37.84	37.70	36.13	35.85	35.57	35.28	35.99
28 [a]	36.28	36.28	36.42	36.42	36.56	36.99	36.84	36.13	35.99	36.28	34.86	33.72	33.58	33.72	34.43
29	36.28	36.42	36.70	36.56	36.42	36.99	37.98	38.12	37.84	36.84	35.57	34.71	34.57	35.00	35.71
30	36.42	36.70	36.56	36.70	36.56	37.55	38.12	37.84	37.70	36.42	35.00	34.86	34.71	35.00	35.71
Mean	36.36	36.50	36.56	36.50	36.42	36.57	37.12	37.24	37.07	36.65	35.96	35.10	34.65	34.67	35.29
Mean [a]	36.27	36.42	36.50	36.53	36.56	36.56	36.87	37.01	37.12	37.10	36.24	35.19	34.88	34.91	35.45
Mean [b]	36.40	36.63	36.54	36.45	36.37	36.40	37.05	36.96	36.40	35.80	35.52	35.18	34.84	34.44	35.03

[a] Five international quiet days.

[b] Five international disturbed days.

HOURLY VALUES OF DECLINATION

MARCH, 1919

0° East plus tabular quantities

16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}	24^{h}	Mean.	Maximum.			Minimum.			Range.	Day.
′	′	′	′	′	′	′	′	′	′	*h.*	*m.*	′	*h.*	*m.*	′	′	
37.10	36.39	36.25	36.11	36.68	35.97	35.83	35.68	35.54	35.30	15	33	37.46	8	00	32.99	4.47	1
37.12	36.27	35.99	35.70	36.13	35.70	35.70	35.85	35.56	35.42	16	00	37.12	11	00	34.28	2.84	2
36.58	36.15	35.72	36.01	35.87	35.72	35.58	35.44	35.44	35.35	16	24	36.65	7	00	34.16	2.49	3
36.16	36.16	35.88	36.02	35.88	35.73	35.73	35.59	35.73	35.69	16	20	36.30	13	00	34.88	1.42	4
36.17	36.31	35.89	36.03	35.89	35.74	35.74	35.74	35.60	35.94	8	00	36.45	23	36	35.53	0.92	5
37.46	37.03	36.04	36.04	35.90	35.75	35.61	35.75	35.90	36.06	15	00	37.88	6	15	35.26	2.62	6
36.19	36.19	36.05	35.91	35.76	35.76	35.62	35.62	35.76	35.84	9	24	36.26	6	24	34.63	1.63	7
36.07	35.78	35.93	36.07	35.93	35.78	35.78	35.78	35.93	36.04	9	00	36.92	13	20	35.29	1.63	8
35.51	35.65	35.65	35.79	35.94	35.94	35.79	35.79	35.79	35.90	12	00	37.21	7	00	35.23	1.98	9
36.66	36.37	35.95	35.80	35.95	35.80	35.66	35.66	35.80	36.14	9	48	37.73	12	20	35.31	2.42	10
35.81	36.24	36.24	36.24	36.10	35.96	35.81	35.81	35.81	36.03	11	42	37.30	5	33	35.46	1.84	11
36.40	36.54	36.12	35.98	35.98	35.83	35.83	35.98	36.12	36.09	10	42	36.86	14	00	35.69	1.17	12
35.84	36.13	35.99	35.99	35.99	35.99	35.84	35.60	35.84	36.04	9	00	36.80	13	00	35.13	1.67	13
35.71	35.43	35.77	35.43	35.71	35.85	35.71	36.00	36.14	36.06	7	30	37.13	17	12	35.36	1.77	14
35.86	36.01	36.01	35.86	36.01	36.01	36.15	36.15	36.29	35.79	3	54	36.36	13	00	34.87	1.49	15
36.44	35.87	35.31	35.02	35.02	35.59	35.87	36.02	36.16	36.13	10	00	37.29	19	39	34.95	2.34	16
36.17	36.03	36.17	36.31	36.03	36.17	36.03	35.88	35.88	35.97	2	20	36.52	13	00	34.89	1.63	17
35.89	36.04	35.75	35.61	35.61	35.75	35.75	35.89	36.04	35.89	10	00	37.31	13	00	34.62	2.69	18
36.33	36.47	36.05	35.90	36.05	36.05	35.90	35.90	36.05	36.30	11	00	38.33	7	00	35.20	3.13	19
36.07	36.49	36.21	36.07	36.07	35.64	35.50	35.92	36.07	36.03	2	00	37.63	12	33	34.08	3.55	20
34.95	36.37	35.94	35.52	36.09	35.94	35.94	36.09	35.94	35.59	5	29	36.94	13	12	32.32	4.62	21
36.10	36.38	36.10	36.52	36.81	36.66	37.37	36.24	36.38	36.21	22	00	37.37	15	00	34.96	2.41	22
35.97	36.12	36.26	36.26	36.12	36.12	35.97	35.97	35.97	35.97	8	00	36.54	13	31	34.20	2.34	23
36.55	36.27	35.84	35.84	35.84	35.84	35.98	35.98	36.13	36.13	11	00	37.12	6	00	35.70	1.42	24
36.15	36.00	36.00	36.00	36.15	36.00	35.86	36.00	36.15	36.22	11	00	37.42	14	00	35.44	1.98	25
36.30	36.44	35.87	35.59	36.01	36.01	36.16	36.30	36.30	35.76	16	57	36.51	13	00	34.59	1.92	26
36.18	36.46	36.03	35.89	36.03	35.89	35.75	36.18	36.32	35.74	3	12	36.81	13	00	33.90	2.91	27
36.04	36.61	36.33	36.33	36.19	36.04	35.90	36.04	36.19	35.81	3	28	36.89	9	00	33.91	2.98	28
36.06	36.35	36.06	36.21	36.35	36.49	36.21	36.21	36.21	36.04	10	24	36.70	6	00	35.21	1.49	29
35.51	36.22	36.36	36.22	36.07	36.36	36.22	36.07	36.50	35.87	9	00	37.21	13	00	34.23	2.98	30
36.51	36.37	36.23	36.37	36.51	36.37	36.37	36.51	36.37	36.27	9	00	37.22	13	00	34.66	2.56	31
36.19	36.23	36.00	35.96	36.02	35.98	35.91	35.92	36.00	35.92	---------		37.04	---------		34.74	2.30	------
36.14	36.02	35.82	35.82	35.85	35.82	35.79	35.82	35.94	36.02	---------		37.26	---------		35.23	2.03	------
36.27	36.38	36.10	35.98	36.36	35.98	36.07	35.96	35.90	35.71	---------		37.30	---------		33.72	3.58	------

APRIL, 1919

0° East plus tabular quantities

′	′	′	′	′	′	′	′	′	′	*h.*	*m.*	′	*h.*	*m.*	′	′	
36.24	36.52	36.52	36.38	36.24	36.09	35.95	35.95	36.09	36.18	11	00	36.80	14	00	34.96	1.84	1
36.52	36.80	36.66	36.38	36.24	36.09	36.24	36.09	36.09	36.27	10	00	37.37	14	00	34.96	2.41	2
36.10	36.53	36.25	36.10	35.96	35.96	35.82	35.96	35.82	36.17	10	24	38.73	14	45	33.62	5.11	3
36.10	36.10	35.54	35.39	35.96	36.25	36.25	36.10	36.10	36.37	10	36	38.94	13	00	34.97	3.97	4
36.54	36.40	36.26	36.11	36.11	36.11	36.11	36.26	36.26	36.30	8	15	36.89	12	00	35.55	1.34	5
36.54	36.97	36.40	36.11	35.97	36.26	36.11	35.97	35.97	36.28	9	00	37.25	12	24	35.05	2.20	6
36.55	36.41	36.27	36.12	35.98	35.98	36.12	36.12	36.12	36.21	16	42	36.90	11	00	35.70	1.20	7
35.13	36.12	36.41	37.54	36.55	36.12	35.84	35.70	35.84	35.77	19	00	37.54	14	00	34.28	3.26	8
35.14	36.13	35.99	35.99	35.85	35.99	36.13	36.13	36.28	35.76	7	00	36.85	14	00	33.58	3.27	9
35.57	36.42	36.42	36.13	35.85	35.99	35.99	36.13	36.28	36.00	8	00	37.13	12	57	33.65	3.48	10
35.86	36.57	36.43	36.14	36.14	36.14	36.29	36.43	36.43	36.14	3	00	37.00	13	00	34.16	2.84	11
36.00	36.57	36.43	36.14	36.00	36.00	36.14	36.14	36.29	36.06	7	24	37.49	12	36	33.44	4.05	12
36.72	36.58	36.15	35.87	35.73	35.59	35.73	35.87	36.15	36.34	8	00	38.00	13	00	34.45	3.55	13
36.15	36.72	36.44	36.30	36.15	36.15	36.15	36.15	36.30	36.40	8	00	37.72	14	00	35.02	2.70	14
36.44	37.15	36.72	36.30	36.01	35.73	35.87	36.01	36.15	36.34	10	27	37.86	13	24	34.81	3.05	15
35.16	36.01	36.30	36.15	36.15	36.01	36.01	36.58	36.30	36.01	7	00	37.86	14	00	33.46	4.40	16
35.30	35.16	35.44	36.01	35.02	35.16	35.44	35.73	36.30	35.96	7	12	38.07	13	48	33.95	4.12	17
36.44	36.30	36.15	36.15	36.15	36.30	36.30	36.44	36.58	36.12	2	00	37.15	13	00	34.31	2.84	18
35.73	35.87	36.01	36.30	36.15	35.73	35.87	36.15	36.30	36.24	8	00	37.86	13	18	34.81	3.05	19
35.87	35.87	35.73	35.87	35.87	36.01	36.01	36.15	36.30	36.15	9	00	37.72	13	00	34.59	3.13	20
35.29	35.43	35.72	35.86	35.72	36.00	35.72	35.86	36.00	35.97	8	00	37.71	13	00	34.58	3.13	21
35.72	36.00	36.14	36.14	36.29	36.29	36.14	36.14	36.29	36.01	7	18	37.63	13	00	33.45	4.18	22
35.43	36.00	35.15	35.43	35.72	36.00	35.72	36.14	36.29	35.91	7	36	38.06	13	00	33.73	4.33	23
35.72	36.00	36.14	36.14	36.14	36.14	36.14	36.00	36.00	36.06	7	27	37.49	13	00	34.72	2.77	24
36.43	36.85	36.57	36.43	36.29	36.29	36.14	36.14	36.14	36.24	7	00	37.85	13	42	34.65	3.20	25
36.57	36.85	36.71	36.57	36.43	36.29	36.14	36.00	36.29	36.48	7	24	37.35	12	00	36.00	1.35	26
36.56	36.70	36.42	36.13	35.85	35.99	35.99	35.99	35.13	36.42	8	00	37.98	14	00	35.28	2.70	27
35.71	36.84	36.70	36.56	36.28	36.13	35.99	35.85	35.99	35.86	6	36	37.13	12	24	33.51	3.62	28
36.13	36.28	36.28	36.42	36.28	36.13	36.13	36.13	35.99	36.31	8	00	38.12	13	00	34.57	3.55	29
36.70	36.70	36.56	36.42	36.13	35.99	35.99	36.13	36.13	36.36	7	00	38.12	13	00	34.71	3.41	30
36.01	36.36	36.23	36.19	36.04	36.03	36.02	36.08	36.14	36.16	---------		37.62	---------		34.48	3.14	------
36.21	36.67	36.47	36.33	36.19	36.13	36.04	36.04	36.13	36.24	---------		37.56	---------		34.74	2.82	------
35.72	36.00	36.11	36.39	35.97	35.91	35.94	36.11	36.23	36.01	---------		37.50	---------		34.34	3.16	------

HOURLY VALUES OF DECLINATION

MAY, 1919

0° East plus tabular quantities

Day.	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h	15 h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	36.13	36.28	36.42	36.56	36.70	37.84	38.26	37.41	35.42	34.15	33.29	33.44	34.43	35.14	36.13
2 [b]	36.13	36.28	36.42	36.42	36.28	37.41	37.98	37.70	37.55	37.70	36.28	36.56	35.71	35.00	36.56
3 [b]	36.27	35.98	36.69	37.69	36.83	37.12	37.26	38.54	37.40	35.70	34.70	34.14	33.99	34.99	35.41
4	36.27	36.41	36.55	36.83	36.98	37.69	37.54	36.69	35.41	34.85	34.28	33.71	34.28	34.99	35.70
5	36.40	36.54	36.68	36.82	36.54	37.82	38.10	38.24	37.96	37.68	35.97	34.27	34.55	34.98	35.40
6	36.11	36.26	36.11	36.54	36.40	36.68	36.82	36.40	36.68	36.26	36.11	35.97	35.83	35.83	35.69
7 [a]	36.39	36.53	36.53	36.67	36.39	36.81	36.96	36.53	36.10	35.39	34.68	33.69	33.55	34.26	35.11
8 [a]	36.25	36.39	36.67	36.81	36.67	37.95	38.52	38.23	37.81	37.10	35.39	34.26	33.83	33.97	34.54
9	36.09	36.24	36.24	36.38	36.24	37.37	38.22	38.51	38.37	36.80	35.67	34.96	34.67	34.53	34.96
10	35.95	36.09	36.38	36.52	36.52	37.09	38.22	37.94	37.94	36.80	35.10	33.96	33.68	34.11	35.10
11 [a]	35.94	35.80	35.94	35.80	36.08	36.79	37.79	37.65	36.79	36.37	35.37	34.52	34.66	34.81	35.09
12	36.23	36.37	36.51	36.51	36.37	37.08	37.93	37.79	37.36	36.51	35.37	34.95	35.23	35.52	35.80
13 [b]	36.50	36.64	36.78	37.07	37.78	39.20	39.48	39.34	37.92	36.07	34.94	33.38	33.66	33.94	34.23
14	36.50	36.78	37.64	37.78	37.21	37.64	38.20	37.92	37.78	36.36	35.08	33.94	34.09	34.80	35.22
15	36.21	36.35	36.49	37.34	37.06	37.91	38.19	38.05	37.77	36.49	35.07	34.22	33.93	34.50	35.07
16	35.92	36.06	36.21	36.21	36.35	37.63	38.34	38.76	37.91	35.92	33.93	32.51	31.95	32.80	33.65
17	36.36	36.36	36.50	36.78	37.21	38.20	39.06	39.34	38.91	37.35	35.51	33.94	33.38	33.66	34.65
18	36.50	36.78	36.64	37.07	36.78	38.06	39.34	39.06	37.78	36.22	35.22	33.66	32.81	33.52	34.51
19	36.22	36.36	36.50	36.64	36.78	37.92	38.91	38.49	37.92	36.22	35.08	33.52	33.88	33.23	33.66
20	36.36	36.50	36.36	36.50	36.64	37.92	38.35	38.91	37.78	36.22	34.65	33.66	33.23	33.38	34.65
21 [b]	36.36	36.50	36.64	36.50	36.36	36.78	37.78	38.06	37.78	36.78	35.36	35.08	34.80	34.65	33.66
22	35.08	35.08	36.50	36.36	36.22	37.07	37.78	37.64	37.49	36.78	35.65	35.08	35.36	36.36	36.36
23	36.22	36.36	36.50	36.64	36.78	37.92	38.20	37.92	36.64	35.51	34.65	33.66	33.52	34.65	35.08
24 [b]	35.93	35.93	36.07	36.07	36.22	37.07	37.64	37.35	36.22	35.22	34.23	33.66	34.23	34.65	35.08
25	36.22	35.93	36.50	36.64	36.36	36.50	36.36	35.93	35.79	34.94	34.51	34.09	34.65	35.65	36.07
26	36.07	36.50	36.78	36.78	36.93	37.21	37.07	36.22	35.08	34.23	33.80	33.94	34.09	34.80	35.65
27	35.93	36.50	37.21	36.78	36.64	37.49	36.78	36.07	35.36	35.08	34.80	34.51	34.23	34.65	35.08
28 [a]	36.07	36.22	36.36	36.36	36.64	37.92	37.92	37.07	35.93	35.08	34.80	34.37	34.65	35.22	35.51
29 [a]	35.79	36.07	36.22	36.36	36.50	37.49	38.77	38.20	37.07	35.65	34.09	33.38	33.80	34.23	34.65
30	36.22	36.37	36.37	36.37	36.51	38.07	38.50	37.93	36.79	35.94	34.52	33.81	33.53	33.95	35.09
31	36.22	36.22	36.37	36.51	36.51	37.93	38.07	37.65	36.79	36.08	34.66	33.39	33.24	33.67	34.81
Mean	36.16	36.28	36.51	36.66	36.63	37.53	38.01	37.79	37.08	36.05	34.93	34.14	34.09	34.53	35.10
Mean [a]	36.09	36.20	36.34	36.40	36.46	37.39	37.99	37.54	36.74	35.92	34.87	34.04	34.10	34.50	34.98
Mean [b]	36.24	36.27	36.52	36.75	36.69	37.52	38.03	38.20	37.37	36.29	35.10	34.56	34.48	34.65	34.99

JUNE, 1919

0° East plus tabular quantities

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	35.94	36.23	36.37	36.37	36.51	36.94	37.93	38.21	37.08	36.37	35.37	34.66	33.67	33.53	33.95
2	36.51	36.51	36.65	36.65	36.94	37.93	37.79	37.22	36.23	34.81	33.67	33.39	33.53	33.95	34.52
3	36.37	36.51	36.79	36.94	36.94	38.07	38.92	38.50	37.50	36.37	34.95	34.66	34.10	33.95	34.52
4	36.52	36.66	36.80	36.80	36.66	37.09	38.79	39.36	38.65	37.23	35.95	34.53	34.96	34.39	33.96
5	36.24	36.38	36.52	36.52	36.66	37.37	38.08	38.93	38.51	37.66	36.38	35.24	34.96	35.10	35.24
6	36.52	36.66	36.52	36.66	36.52	37.66	38.93	39.22	37.66	36.24	35.10	34.39	33.68	33.82	34.11
7 [a]	35.95	36.24	36.38	36.52	36.66	37.80	38.37	37.94	37.51	36.38	35.10	33.68	33.54	33.54	34.67
8 [a]	36.24	36.24	36.38	36.52	36.80	37.94	38.51	38.37	38.08	37.23	35.67	34.67	35.10	35.10	35.10
9 [b]	36.38	36.38	36.52	36.80	37.51	38.79	38.79	37.37	36.52	35.67	35.10	34.67	33.96	34.53	35.10
10 [b]	36.39	36.67	36.81	36.96	37.81	38.38	38.23	36.67	35.68	34.54	33.69	33.12	33.26	34.83	35.39
11 [b]	36.53	36.67	36.81	36.96	37.52	39.09	38.80	38.52	37.67	36.25	34.26	33.26	33.41	33.55	33.83
12	36.25	36.53	36.39	36.67	37.10	37.81	39.23	39.51	38.52	37.67	35.54	34.97	34.54	33.97	34.26
13	35.96	36.25	35.96	36.10	36.10	37.38	38.09	38.23	37.81	35.25	33.97	33.55	32.70	33.26	33.83
14	35.96	36.10	36.25	36.39	36.53	37.67	38.52	38.94	38.38	36.81	35.68	35.25	34.97	34.12	35.25
15	36.10	36.25	36.39	36.39	36.67	38.09	39.23	38.94	37.67	36.10	35.11	34.54	34.83	34.97	35.11
16	35.96	36.10	36.25	36.39	36.81	37.95	38.66	38.52	37.81	36.39	35.54	33.26	32.55	33.41	34.12
17	36.11	36.11	36.11	36.26	36.26	37.39	38.81	39.38	38.81	37.39	36.82	35.69	34.69	34.41	34.84
18	36.27	36.41	36.55	36.69	36.83	37.83	38.82	38.96	37.97	37.12	35.84	35.41	34.99	35.13	35.27
19 [a]	36.12	36.12	36.12	36.12	36.27	36.83	37.40	37.26	37.12	36.83	36.41	35.70	34.85	34.99	35.41
20 [a]	35.99	35.99	35.99	36.13	36.28	36.84	37.41	37.13	36.84	36.13	35.14	35.28	35.28	35.14	35.00
21	36.14	36.29	36.29	36.29	36.43	36.85	37.99	37.85	37.85	37.71	36.57	35.43	35.01	35.15	35.29
22	36.29	36.43	36.57	36.71	36.85	37.14	37.56	36.85	36.43	35.01	34.01	33.87	33.73	34.58	35.01
23 [b]	36.58	36.86	36.86	37.43	37.15	38.57	38.28	38.28	37.72	36.30	34.73	33.74	34.59	34.31	34.73
24	36.31	36.59	36.87	37.16	37.58	38.72	39.15	38.58	37.73	36.73	36.02	35.17	35.17	35.31	36.02
25	36.45	36.59	36.87	37.02	37.73	39.00	39.00	37.87	36.31	35.17	34.46	33.75	32.61	33.04	34.18
26 [b]	36.17	35.89	36.46	36.32	37.59	38.30	39.01	39.97	38.02	36.60	35.32	34.90	34.33	34.61	34.90
27	36.04	36.18	36.18	36.47	36.75	37.75	38.03	37.75	37.04	36.33	35.76	35.33	34.62	34.20	35.05
28	36.33	36.47	36.47	36.61	36.89	38.31	39.02	39.31	38.31	36.61	34.76	32.78	32.92	33.63	34.48
29	36.19	36.34	36.34	36.48	36.90	38.04	39.18	39.46	38.32	36.76	35.06	34.06	32.79	33.07	33.78
30	36.06	36.20	36.49	36.77	37.06	38.19	38.90	38.62	37.04	35.49	34.07	33.36	33.51	33.79	34.07
Mean	36.23	36.36	36.47	36.60	36.88	37.86	38.51	38.39	37.56	36.37	35.20	34.41	34.10	34.25	34.70
Mean [a]	36.07	36.16	36.27	36.41	36.61	37.52	38.12	37.86	37.32	36.41	35.28	34.54	34.46	34.51	34.85
Mean [b]	36.41	36.49	36.69	36.89	37.52	38.63	38.62	38.16	37.12	35.87	34.62	33.94	33.91	34.37	34.79

[a] **Five international quiet days.**

[b] **Five international disturbed days.**

HOURLY VALUES OF DECLINATION

MAY, 1919

0° East plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
′	′	′	′	′	′	′	′	′	′	h.	m.	′	h.	m.	′	′	
36.56	36.84	36.56	36.42	36.13	35.85	35.71	35.85	35.99	35.98	7	00	38.26	11	00	33.29	4.97	1
36.13	36.42	36.70	36.42	36.13	35.14	35.42	35.99	36.28	36.44	7	35	38.12	14	00	35.00	3.12	2
36.55	37.12	37.26	35.70	35.84	35.70	35.84	35.98	36.12	36.20	8	00	38.54	13	16	33.71	4.83	3
36.69	36.98	36.69	36.41	35.98	35.98	35.84	35.70	35.98	36.02	6	19	38.26	12	00	33.71	4.55	4
35.69	36.26	35.97	35.83	35.69	35.69	35.69	35.83	35.97	36.27	8	00	38.24	12	00	34.27	3.97	5
36.11	36.40	36.40	36.26	35.69	35.83	36.11	36.26	36.40	36.21	6	24	37.25	15	00	35.69	1.56	6
35.96	36.39	36.10	35.96	35.82	35.82	35.96	36.10	36.10	35.82	6	42	37.10	13	00	33.55	3.55	7
35.25	36.25	36.10	35.82	35.68	35.68	35.68	35.82	35.96	36.11	7	00	38.52	13	00	33.83	4.69	8
35.81	36.38	36.24	35.95	35.53	35.24	35.53	35.67	35.81	36.14	8	00	38.51	14	00	34.53	3.98	9
35.81	36.38	36.24	36.09	36.24	36.09	35.81	35.53	35.67	36.05	7	10	38.36	13	00	33.68	4.68	10
36.08	36.51	36.23	36.08	36.23	36.08	35.94	35.94	36.08	36.02	7	00	37.79	12	00	34.52	3.27	11
36.08	36.37	36.37	35.94	35.80	36.37	36.23	36.37	36.37	36.31	7	00	37.93	12	00	34.95	2.98	12
34.94	35.22	35.93	35.22	35.08	35.08	35.65	35.93	36.22	36.09	7	00	39.48	12	00	33.38	6.10	13
35.93	36.22	36.07	36.50	35.79	35.79	35.93	35.93	36.07	36.30	7	07	38.34	12	00	33.94	4.40	14
35.78	36.49	36.35	36.06	35.92	35.78	35.64	35.50	35.78	36.16	7	05	38.47	13	00	33.93	4.54	15
35.07	36.06	36.21	36.21	36.21	36.21	36.35	36.35	36.35	35.80	8	00	38.76	13	00	31.95	6.81	16
35.79	36.36	36.50	36.50	36.22	36.07	36.07	36.22	36.36	36.39	8	00	39.34	12	33	33.10	6.24	17
35.36	35.51	35.65	35.93	35.93	36.07	36.07	36.07	36.07	36.11	7	36	39.48	13	00	32.81	6.67	18
34.94	35.79	36.36	36.07	35.79	35.93	36.07	36.07	36.22	36.00	6	35	39.05	14	00	33.23	5.82	19
35.36	36.07	35.93	35.93	36.07	36.07	35.93	36.07	36.22	36.03	7	40	39.05	12	35	33.02	6.03	20
33.94	34.51	34.65	34.80	34.94	34.94	35.08	35.22	35.36	35.69	8	00	38.06	14	37	33.52	4.54	21
36.22	36.07	36.07	35.93	35.65	35.79	35.79	35.93	36.07	36.18	6	10	38.06	1	46	34.94	3.12	22
35.79	36.36	36.50	36.36	36.36	36.36	36.22	36.07	35.93	36.09	7	17	38.63	12	44	33.38	5.25	23
35.65	36.36	36.36	35.65	35.93	36.22	36.36	36.22	36.22	35.86	7	00	37.64	12	00	33.66	3.98	24
36.36	35.93	35.93	35.79	35.79	35.65	35.65	35.79	35.93	35.79	4	00	36.64	12	00	34.09	2.55	25
36.50	36.64	36.50	36.36	36.36	36.22	35.93	36.07	35.65	35.89	6	20	37.35	11	00	33.80	3.55	26
35.65	36.07	36.36	36.50	36.50	36.07	35.65	35.79	35.93	35.90	6	00	37.49	13	10	34.09	3.40	27
36.07	36.50	36.64	36.50	36.07	35.93	35.65	35.51	35.51	36.02	6	25	38.13	12	30	34.30	3.83	28
35.22	36.07	36.64	36.07	35.93	35.93	35.93	36.07	36.07	35.92	7	00	38.77	12	00	33.38	5.39	29
36.37	36.94	36.79	36.37	36.08	35.94	35.80	35.94	36.08	36.10	6	45	38.57	12	52	33.39	5.18	30
35.52	36.08	36.08	35.80	35.66	35.66	35.52	35.52	35.66	35.82	6	45	38.14	12	40	33.10	5.04	31
35.78	36.24	36.27	36.05	35.90	35.84	35.84	35.91	36.01	36.06	---------		38.27	---------		33.80	4.47	-------
35.72	36.34	36.34	36.09	35.95	35.89	35.83	35.89	35.94	35.98	---------		38.06	---------		33.91	4.15	-------
35.44	35.93	36.18	35.56	35.58	35.42	35.67	35.87	36.04	36.06	---------		38.36	---------		33.85	4.51	-------

JUNE, 1919

0° East plus tabular quantities

′	′	′	′	′	′	′	′	′	′	h.	m.	′	h.	m.	′	′	
34.95	35.80	35.94	35.80	35.66	35.52	35.80	35.94	36.23	35.87	8	00	38.21	14	00	33.53	4.68	1
35.37	36.08	36.51	36.08	35.66	35.66	35.80	35.94	36.08	35.81	6	00	37.93	12	00	33.39	4.54	2
35.09	35.66	35.80	36.08	35.94	36.08	36.08	36.23	36.37	36.18	7	00	38.92	13	36	33.81	5.11	3
34.53	35.67	36.09	36.09	35.95	35.95	35.95	35.95	36.09	36.28	8	00	39.36	15	18	33.89	5.47	4
35.67	36.09	36.24	36.24	36.09	36.09	35.95	35.95	36.09	36.42	8	00	38.93	13	15	34.82	4.11	5
35.10	35.67	35.95	35.81	35.53	35.24	35.24	35.38	35.53	35.96	8	00	39.22	13	00	33.68	5.54	6
35.38	36.38	36.38	36.24	36.09	36.24	36.24	36.09	36.09	36.06	7	00	38.37	12	12	33.40	4.97	7
35.95	36.38	36.24	36.09	35.95	36.09	36.09	36.09	36.24	36.38	7	00	38.51	12	00	34.67	3.84	8
35.95	36.80	36.66	36.09	35.53	35.38	35.53	35.81	36.24	36.17	6	45	39.07	12	35	33.75	5.32	9
36.25	36.39	36.10	35.68	35.54	35.54	35.68	36.39	36.39	35.93	6	00	38.38	12	42	33.05	5.33	10
35.39	35.68	36.10	36.10	35.68	35.54	35.96	35.82	36.10	36.06	6	45	39.80	12	34	33.12	6.68	11
35.11	35.39	35.82	36.25	36.10	35.68	35.68	35.68	35.96	36.28	7	23	40.08	14	38	33.83	6.25	12
34.97	35.68	35.68	36.10	35.54	35.68	35.68	35.82	35.82	35.64	8	00	38.23	13	00	32.70	5.53	13
35.68	36.10	36.10	36.25	35.96	35.82	35.82	35.96	35.96	36.27	8	00	38.94	14	00	34.12	4.82	14
35.54	35.39	35.39	35.54	35.39	35.54	35.54	35.68	35.82	36.09	7	06	39.30	12	00	34.54	4.76	15
35.68	36.53	36.53	35.96	35.68	35.96	35.82	35.82	35.82	35.97	7	00	38.66	13	00	32.55	6.11	16
34.98	35.26	35.83	35.69	35.69	35.69	35.69	35.83	35.97	36.24	8	00	39.38	13	45	34.13	5.25	17
35.56	36.12	36.41	36.41	36.27	36.12	35.98	35.98	36.12	36.46	8	00	38.96	13	00	34.99	3.97	18
36.12	36.41	36.55	36.12	35.98	35.98	36.12	35.98	35.98	36.20	6	28	37.54	13	00	34.85	2.69	19
35.14	35.71	36.28	36.13	35.99	36.13	36.13	36.13	36.13	36.01	6	35	37.55	15	00	35.00	2.55	20
35.29	35.58	36.14	36.00	35.86	36.00	36.14	36.14	36.29	36.27	7	00	37.99	13	00	35.01	2.98	21
35.29	36.00	36.14	36.00	35.86	36.00	35.86	36.14	36.29	35.86	7	00	37.56	13	00	33.73	3.83	22
35.16	35.44	35.30	35.73	35.87	35.59	35.73	35.73	36.01	36.11	6	22	38.85	11	42	33.60	5.25	23
36.45	36.31	36.45	36.02	36.02	36.16	36.02	36.16	36.45	36.63	7	00	39.15	12	44	35.03	4.12	24
35.17	35.45	35.74	35.60	35.31	35.45	35.45	35.60	35.88	35.82	6	30	39.14	13	00	32.61	6.53	25
35.32	35.46	36.03	36.03	35.89	35.75	35.89	35.89	36.03	36.28	7	36	40.11	13	10	34.19	5.92	26
35.33	35.76	36.04	36.18	36.04	36.04	35.76	35.76	35.90	36.10	6	41	38.17	14	00	34.20	3.97	27
35.19	35.47	35.47	35.47	35.47	35.62	35.76	35.90	36.04	35.97	8	00	39.31	12	18	32.50	6.81	28
34.49	35.20	35.34	34.92	35.06	35.48	35.63	35.77	35.91	35.86	8	00	39.46	13	00	32.79	6.67	29
35.07	35.35	35.49	35.49	35.49	35.64	35.78	35.78	35.92	35.82	7	00	38.90	12	00	33.36	5.54	30
35.37	35.84	36.02	35.94	35.77	35.79	35.83	35.91	36.06	36.10	---------		38.80	---------		33.83	4.97	-------
35.53	36.05	36.19	36.01	35.90	36.02	36.07	36.01	36.07	36.09	---------		38.17	---------		34.25	3.92	-------
35.61	35.95	36.04	35.93	35.70	35.56	35.76	35.93	36.15	36.11	---------		39.24	---------		33.54	5.70	-------

HOURLY VALUES OF DECLINATION

JULY, 1919

0° East plus tabular quantities

Day.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}	12^{h}	13^{h}	14^{h}	15^{h}
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	36.08	36.22	36.37	36.51	36.65	37.79	39.35	39.63	38.78	36.65	35.37	34.95	34.80	34.24	34.80
2	35.96	36.24	36.81	36.95	36.81	39.08	39.51	39.79	39.23	38.23	37.24	35.82	33.83	33.69	34.68
3	36.42	36.27	36.42	36.42	36.56	36.84	37.84	38.12	39.11	37.98	37.13	36.13	35.28	34.71	34.85
4	35.87	36.15	36.01	36.15	36.29	36.72	37.71	37.86	38.00	37.71	36.44	35.87	36.15	35.58	35.58
5 [a]	36.31	36.31	36.46	36.46	36.60	38.02	39.15	38.87	38.59	36.31	35.18	34.33	34.47	35.18	35.46
6 [a]	36.49	36.63	36.63	36.49	36.63	37.76	38.19	38.62	37.91	37.34	36.43	35.78	35.49	35.07	35.07
7	36.36	36.51	36.65	36.65	36.65	37.63	38.35	39.06	38.21	37.78	36.36	35.80	35.65	35.51	35.37
8 [b]	36.67	36.81	37.80	37.66	37.66	37.38	38.09	38.66	38.23	37.38	35.96	34.40	33.97	33.97	34.25
9	36.41	36.84	36.98	36.98	37.12	37.98	38.26	39.11	38.26	37.41	36.56	34.99	34.71	34.43	34.28
10	36.58	36.86	36.86	36.86	36.72	37.43	38.14	38.42	38.14	37.29	37.00	35.44	34.30	33.88	34.30
11	36.45	36.60	36.74	36.74	36.88	38.02	38.58	39.29	39.44	38.30	36.31	35.74	35.46	35.18	35.32
12	36.48	36.63	36.77	37.05	37.90	38.47	39.32	39.47	38.90	37.90	36.06	35.49	34.92	34.64	34.92
13	36.65	36.79	36.50	36.65	36.93	38.21	39.34	39.20	38.21	36.50	35.37	34.70	33.95	33.81	34.09
14	36.38	36.67	36.67	36.81	36.95	38.37	39.22	39.79	39.36	38.37	35.81	34.96	34.39	34.96	35.53
15 [a]	35.84	36.13	35.99	36.41	36.70	37.97	38.40	38.12	36.98	36.13	35.42	34.71	35.13	35.42	35.56
16 [a]	36.43	36.43	36.57	36.57	36.72	36.86	37.28	37.43	37.57	37.43	35.58	35.01	34.30	35.15	36.01
17 [b]	36.03	36.17	36.45	36.74	37.02	38.01	38.44	37.59	36.59	35.60	34.75	34.32	35.03	35.60	35.88
18 [b]	35.76	36.90	37.32	37.18	37.04	38.18	38.46	38.60	38.18	37.32	36.61	35.19	34.77	35.05	34.06
19	36.49	36.63	36.63	36.49	36.78	37.63	38.20	38.48	37.91	36.63	35.78	35.92	35.50	35.36	35.21
20	36.80	36.94	37.22	37.36	37.08	37.65	37.93	38.07	35.66	34.24	33.96	32.96	32.68	33.39	34.67
21	36.95	37.09	37.37	37.52	37.66	38.08	38.37	37.94	37.09	36.10	35.39	35.24	34.39	34.25	34.11
22 [b]	36.83	36.83	36.97	36.97	36.11	38.10	38.53	38.25	38.25	37.54	36.12	34.70	34.41	34.84	35.12
23 [b]	36.70	36.99	37.70	37.98	37.84	38.55	39.69	39.12	37.41	36.28	35.71	35.43	35.57	35.14	35.43
24	36.16	36.30	36.87	37.01	37.43	38.57	38.43	37.72	36.30	36.01	35.73	34.88	35.16	34.74	35.30
25	36.32	36.74	36.89	37.03	37.03	38.02	38.45	37.74	36.74	35.89	35.47	34.61	34.47	35.32	35.61
26	36.33	36.47	36.61	36.90	37.04	38.17	38.60	38.17	36.33	35.33	33.91	34.06	34.20	34.48	35.33
27	36.35	36.63	36.77	36.92	37.20	38.76	39.76	39.19	37.48	35.78	34.93	34.36	33.22	33.37	34.36
28 [a]	36.37	36.65	36.79	36.94	37.22	38.78	39.78	39.07	38.36	36.37	35.37	35.23	34.95	35.37	35.80
29	36.53	36.67	36.81	36.96	37.38	39.80	40.51	40.36	38.80	36.39	34.40	33.26	34.40	34.97	35.82
30	36.27	36.69	36.83	37.12	37.97	40.24	41.52	41.09	38.68	37.26	35.70	34.85	34.42	35.27	35.98
31	36.42	36.56	36.70	36.84	37.27	39.12	40.54	40.39	38.97	37.27	35.42	34.43	34.15	34.43	35.42
Mean	36.38	36.59	36.78	36.88	37.03	38.13	38.80	38.81	37.99	36.86	35.72	34.95	34.65	34.74	35.10
Mean [a]	36.29	36.43	36.49	36.57	36.77	37.88	38.56	38.42	37.88	36.72	35.60	35.01	34.87	35.24	35.58
Mean [b]	36.40	36.74	37.25	37.31	37.13	38.04	38.64	38.44	37.73	36.82	35.83	34.81	34.75	34.92	34.95

AUGUST, 1919

0° East plus tabular quantities

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	36.44	36.58	36.86	36.72	37.01	38.71	39.99	39.70	38.43	36.01	34.45	34.45	34.45	34.45	35.02
2	36.03	36.17	36.46	36.74	36.88	38.45	39.58	39.30	38.45	36.17	35.75	35.32	34.75	34.61	35.32
3	36.75	36.89	37.04	36.89	36.75	37.46	38.74	39.59	37.60	36.18	35.33	35.05	35.33	35.33	35.33
4	36.77	36.91	37.06	37.20	37.48	38.48	38.62	38.19	37.34	36.49	35.92	34.93	34.78	35.07	35.92
5	36.78	36.64	37.07	37.07	37.21	38.20	38.63	38.49	38.20	36.92	35.93	35.65	35.79	35.93	36.07
6 [a]	36.94	37.09	37.23	37.23	37.37	38.28	37.94	37.09	35.81	35.38	35.10	35.38	35.95	36.52	36.80
7	36.53	36.81	37.10	37.24	37.66	38.80	38.80	38.23	36.81	35.53	34.68	34.40	34.68	34.97	35.68
8	36.97	37.12	37.26	37.54	37.68	38.54	38.68	37.26	35.84	35.41	34.84	35.13	35.55	36.12	36.41
9 [a]	36.56	36.84	37.27	37.41	37.69	38.97	38.83	37.98	36.27	34.43	33.15	33.43	34.00	34.85	35.99
10	36.86	37.00	37.15	37.15	37.43	38.99	39.13	38.28	36.01	34.16	32.32	32.18	33.03	34.59	36.15
11 [b]	37.01	37.01	37.16	37.16	37.01	39.00	40.28	39.43	38.29	35.88	34.32	34.03	34.46	34.88	35.45
12 [b]	39.31	39.45	38.31	39.02	39.31	39.16	39.59	38.88	35.90	34.19	33.06	33.34	33.48	34.62	35.33
13 [a]	36.90	37.04	36.33	36.19	36.33	37.47	38.04	38.46	36.62	34.91	33.64	33.07	33.78	35.20	36.62
14 [a]	36.64	36.64	36.64	36.78	37.49	38.20	38.06	38.06	37.77	36.35	34.93	34.08	34.65	34.79	35.08
15	36.51	36.65	36.93	37.07	37.22	38.49	40.06	40.20	37.64	34.94	33.38	32.96	32.81	33.24	35.09
16	36.53	36.67	36.95	37.24	37.52	38.80	39.79	40.08	38.94	37.52	36.53	35.82	35.67	35.53	35.67
17	37.10	37.39	37.53	37.39	37.39	37.25	37.81	37.25	36.54	35.83	35.12	35.26	35.26	35.12	34.97
18	36.83	36.97	37.11	37.11	37.26	37.82	37.40	36.97	35.84	35.69	35.55	35.98	35.98	36.83	37.26
19 [b]	36.81	36.95	37.09	37.24	37.52	38.09	38.51	37.95	36.95	36.67	36.38	35.96	35.82	34.96	35.11
20 [b]	36.36	36.51	36.51	36.65	37.22	37.50	37.54	37.22	36.08	35.23	34.66	34.52	34.66	35.37	35.65
21	36.49	36.63	36.49	36.49	36.77	37.76	38.33	37.91	37.62	37.20	36.06	35.21	35.07	35.92	36.06
22	36.47	36.61	36.75	36.89	37.03	38.45	39.16	39.31	38.45	36.04	34.76	33.77	34.05	35.05	36.61
23	36.31	36.31	36.46	36.60	37.02	38.02	39.01	38.59	37.45	35.46	34.33	33.47	34.61	35.18	36.03
24	36.45	36.73	37.01	37.30	37.72	39.14	38.85	39.43	37.44	35.03	33.75	33.32	33.61	34.60	36.02
25	36.58	37.00	37.15	37.29	37.57	38.99	39.28	38.57	37.00	35.16	33.74	34.02	34.16	34.59	35.58
26	36.86	37.00	37.15	37.29	37.43	38.04	38.23	37.00	35.29	34.19	32.58	32.66	32.82	34.24	35.80
27	36.51	36.51	36.80	36.94	37.36	39.07	38.93	38.22	36.38	34.67	32.82	31.83	32.82	35.53	35.10
28 [b]	36.52	36.66	36.80	37.08	37.37	39.50	40.78	40.35	38.93	36.52	34.81	33.25	33.11	33.82	34.95
29	36.52	37.23	37.37	37.23	37.51	38.50	39.21	38.36	36.23	34.39	32.26	31.97	31.83	32.97	34.67
30	36.09	36.37	36.52	36.66	36.94	38.08	38.50	38.36	37.51	35.52	33.82	33.11	32.68	32.97	34.10
31 [a]	36.37	36.52	36.66	36.66	36.80	37.37	37.51	37.08	35.52	34.10	33.25	32.82	32.68	33.11	34.24
Mean	36.70	36.87	36.97	37.08	37.32	38.37	38.87	38.44	37.07	35.55	34.43	34.08	34.27	34.87	35.62
Mean [a]	36.68	36.83	36.83	36.85	37.14	38.06	38.08	37.73	36.40	35.03	34.01	33.76	34.21	34.89	35.75
Mean [b]	37.20	37.32	37.17	37.43	37.69	38.65	39.36	38.77	37.23	35.70	34.65	34.22	34.31	34.73	35.30

[a] Five international quiet days.

[b] Five international disturbed days.

HOURLY VALUES OF DECLINATION

JULY, 1919

0° East plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
′	′	′	′	′	′	′	′	′	′	h.	m.	′	h.	m.	′	′	
35.09	35.51	36.08	35.37	35.09	35.37	35.51	35.51	35.65	36.14	8	00	39.63	14	00	34.24	5.39	1
35.11	35.39	35.53	35.53	35.68	35.82	35.82	36.10	36.24	36.46	8	00	39.79	14	00	33.69	6.10	2
35.14	35.42	35.56	36.13	36.27	35.85	35.71	35.71	35.71	36.32	9	00	39.11	14	30	34.64	4.47	3
35.87	36.29	36.58	36.44	36.01	35.87	35.87	36.01	36.15	36.38	9	00	38.00	15	33	35.51	2.49	4
35.89	36.03	36.31	36.17	35.89	35.89	36.03	36.17	36.31	36.35	7	00	39.15	12	00	34.33	4.82	5
35.35	35.78	36.20	36.20	35.92	35.78	35.92	36.06	36.20	36.41	8	00	38.62	15	06	35.00	3.62	6
35.65	35.94	35.80	35.65	35.51	35.65	35.80	35.94	36.36	36.44	8	00	39.06	15	00	35.37	3.69	7
34.96	35.39	35.82	35.96	35.82	35.82	35.96	36.38	36.53	36.31	8	00	38.66	13	20	33.90	4.76	8
35.14	35.56	35.70	35.70	35.56	35.56	35.85	35.99	36.72	36.32	8	00	39.11	15	00	34.28	4.83	9
35.44	36.29	36.43	36.29	35.87	36.01	35.72	36.01	36.29	36.36	8	00	38.42	13	36	33.81	4.61	10
35.74	35.74	35.89	35.74	35.74	35.60	35.89	36.17	36.31	36.58	9	00	39.44	14	00	35.18	4.26	11
35.35	35.49	35.63	35.49	35.35	35.77	36.06	36.34	36.48	36.54	8	00	39.47	14	00	34.64	4.83	12
34.94	35.37	35.51	35.94	35.79	35.94	36.36	35.94	36.22	36.20	7	00	39.34	14	00	33.81	5.53	13
36.52	36.95	37.09	36.38	36.52	36.10	35.96	35.81	35.67	36.72	8	00	39.79	13	00	34.39	5.40	14
35.84	36.70	36.55	36.13	35.99	35.84	35.99	36.27	36.41	36.28	7	00	38.40	12	00	34.71	3.69	15
37.00	37.14	36.57	36.29	36.15	36.01	36.01	35.86	35.86	36.34	9	00	37.57	13	00	34.30	3.27	16
35.74	35.88	36.03	35.88	35.74	35.60	35.74	35.88	35.88	36.11	7	00	38.44	12	00	34.32	4.12	17
34.77	35.90	36.19	35.90	35.90	35.76	35.76	35.90	36.19	36.37	8	00	38.60	15	00	34.06	4.54	18
35.78	36.21	36.63	36.49	36.49	36.35	36.49	36.63	36.78	36.56	8	00	38.48	15	00	35.21	3.27	19
35.80	36.23	36.65	36.23	36.09	36.23	36.37	36.51	36.80	35.98	8	00	38.07	13	00	32.68	5.39	20
35.39	36.10	36.66	36.38	36.24	36.10	36.24	36.52	36.66	36.37	7	00	38.37	13	00	34.11	4.26	21
35.55	35.97	36.54	36.12	35.69	35.69	35.83	35.97	36.26	36.38	7	40	38.60	12	20	34.34	4.26	22
35.71	35.85	35.99	36.56	36.14	36.56	35.99	36.42	36.14	36.70	6	54	39.76	13	40	35.00	4.76	23
36.16	36.87	37.01	36.72	36.30	36.30	36.16	36.01	36.16	36.43	6	20	38.71	14	00	34.74	3.97	24
36.03	36.32	36.74	36.18	36.03	35.89	36.03	36.18	36.42	36.34	7	18	38.52	13	00	34.47	4.05	25
36.33	37.18	37.04	36.90	36.03	36.19	36.04	36.04	36.19	36.24	7	20	38.67	11	24	33.84	4.83	26
36.21	36.63	36.92	36.63	36.06	35.92	35.78	35.92	36.06	36.30	7	00	39.76	13	00	33.22	6.54	27
36.94	37.79	37.65	36.79	36.37	36.08	35.94	36.08	36.37	36.79	7	00	39.78	13	00	34.95	4.83	28
36.81	37.10	36.96	36.67	36.39	36.25	36.10	35.96	36.10	36.72	7	00	40.51	12	00	33.26	7.25	29
37.26	37.54	37.40	36.69	36.41	36.27	36.41	36.55	36.55	37.12	7	00	41.52	13	00	34.42	7.10	30
36.13	36.70	36.56	36.84	36.42	36.42	36.42	36.28	36.28	36.75	7	30	40.61	13	00	34.15	6.46	31
35.79	36.23	36.39	36.21	35.98	35.95	35.99	36.10	36.24	36.43	--------		39.09	--------		34.34	4.75	-------
36.20	36.69	36.66	36.32	36.06	35.92	35.98	36.09	36.23	36.43	--------		38.70	--------		34.66	4.04	-------
35.35	35.80	36.11	36.08	35.86	35.89	35.86	36.11	36.20	36.37	--------		38.81	--------		34.32	4.49	-------

AUGUST, 1919

0° East plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
′	′	′	′	′	′	′	′	′	′	h.	m.	′	h.	m.	′	′	
35.59	36.01	36.15	36.44	36.44	36.30	36.15	36.15	36.01	36.44	7	00	39.99	12	36	34.31	5.68	1
35.61	36.17	36.03	35.61	35.75	35.89	36.03	36.32	36.46	36.41	7	00	39.58	13	35	34.47	5.11	2
35.62	35.90	36.33	36.18	36.18	36.18	36.18	36.33	36.47	36.48	7	00	39.59	12	20	34.91	4.68	3
36.20	35.78	35.92	36.06	36.06	36.06	36.20	36.20	36.77	36.52	6	35	38.76	13	33	34.64	4.12	4
36.21	36.64	36.78	36.50	36.36	36.78	36.21	36.36	36.64	36.79	7	32	38.77	12	00	35.65	3.12	5
37.09	37.37	36.66	36.23	36.09	36.23	36.23	36.38	36.52	36.62	6	40	38.36	11	00	35.10	3.26	6
36.24	37.10	36.81	36.39	36.53	36.39	36.39	36.39	36.53	36.53	6	24	38.94	12	00	34.40	4.54	7
37.12	37.26	36.97	36.55	36.26	36.12	35.98	36.26	36.26	36.63	6	20	39.25	11	00	34.84	4.41	8
37.13	37.27	36.84	36.42	36.42	36.27	36.27	36.42	36.56	36.39	6	20	39.11	11	30	33.01	6.10	9
37.00	37.29	37.15	36.58	36.44	36.29	36.29	36.58	36.86	36.29	7	00	39.13	12	00	32.18	6.95	10
38.15	37.72	34.74	36.30	36.30	36.16	35.03	31.48	30.34	36.15	7	00	40.28	23	53	29.20	11.08	11
36.32	36.89	36.32	35.47	35.76	36.04	36.32	36.47	36.61	36.63	2	31	40.44	0	02	30.48	9.96	12
37.33	37.19	36.62	36.48	36.33	36.48	36.48	36.33	36.62	36.27	8	00	38.46	12	00	33.07	5.39	13
35.93	36.50	36.92	36.64	36.64	36.64	36.50	36.50	36.50	36.46	6	00	38.20	11	55	33.94	4.26	14
36.51	36.93	36.93	36.65	36.51	36.51	36.36	36.36	36.51	36.35	8	00	40.20	13	00	32.81	7.39	15
36.10	36.24	36.53	36.53	36.38	36.53	36.53	36.67	36.81	36.98	8	00	40.08	14	00	35.53	4.55	16
35.83	36.82	36.68	36.68	36.68	36.54	36.54	36.68	36.68	36.51	7	00	37.81	14	42	34.83	2.98	17
37.54	37.11	36.69	36.97	36.69	36.55	36.40	36.55	36.69	36.74	6	00	37.82	11	00	35.55	2.27	18
36.10	36.67	36.81	36.53	36.81	36.67	36.53	36.53	36.38	36.71	7	00	38.51	14	18	34.82	3.69	19
36.51	36.93	36.65	36.51	36.36	36.36	36.22	36.22	36.36	36.25	6	40	37.78	11	35	34.38	3.40	20
36.20	36.34	36.34	36.20	36.20	36.20	36.34	36.34	36.49	36.43	7	25	38.47	12	42	34.93	3.54	21
37.03	37.18	37.32	37.03	36.75	36.61	36.47	36.62	36.32	36.68	8	00	39.31	12	42	33.63	5.68	22
36.31	36.88	37.02	37.02	36.88	36.46	36.46	36.03	36.31	36.43	7	00	39.01	11	50	33.40	5.61	23
36.59	37.01	37.01	36.87	36.59	36.30	36.16	36.16	36.30	36.52	7	00	39.85	12	00	33.32	6.53	24
36.58	37.00	36.58	36.58	36.44	36.44	36.44	36.58	36.72	36.50	6	45	39.42	11	00	33.74	5.68	25
37.08	37.08	37.08	36.80	36.65	36.21	36.51	36.65	36.65	36.14	7	00	38.23	11	00	32.58	5.65	26
37.37	37.51	37.37	37.08	36.94	36.66	36.52	36.52	36.52	36.25	6	00	39.07	12	00	31.83	7.24	27
35.81	37.08	37.23	36.09	35.95	35.95	35.81	35.66	35.95	36.50	7	00	40.78	13	00	33.11	7.67	28
35.95	36.66	36.66	36.52	36.23	35.95	35.81	35.81	35.95	35.91	7	00	39.21	13	00	31.83	7.38	29
35.24	36.09	36.09	35.81	35.66	35.66	35.95	36.09	36.23	35.84	6	35	38.64	13	00	32.68	5.96	30
35.66	36.23	36.37	35.81	35.66	35.66	35.81	35.81	35.81	35.56	6	25	37.93	13	00	32.68	5.25	31
36.45	36.80	36.63	36.44	36.35	36.29	36.23	36.18	36.25	36.42	--------		39.06	--------		33.61	5.45	-------
36.63	36.91	36.68	36.32	36.23	36.26	36.26	36.29	36.40	36.26	--------		38.41	--------		33.56	4.85	-------
36.58	37.06	36.35	36.18	36 24	36.24	35.98	35.27	35.13	36.45	--------		39.56	--------		32.40	7.16	-------

HOURLY VALUES OF DECLINATION

SEPTEMBER, 1919

0° East plus tabular quantities

Day.	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h	15 h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1 [a]	35.81	36.37	36.52	36.66	36.52	37.51	38.36	38.08	37.23	34.67	33.82	32.68	32.40	33.25	34.67
2 [b]	36.11	36.25	36.39	36.54	36.68	37.53	37.81	37.25	35.54	35.12	34.69	34.97	34.83	34.97	36.11
3	36.14	36.28	36.57	37.13	36.99	36.71	37.28	36.14	35.86	35.15	34.72	33.87	33.30	33.73	34.72
4	36.30	36.44	36.73	37.01	37.58	38.01	39.28	38.72	37.01	35.73	34.31	34.03	33.89	34.74	35.73
5 [a]	36.05	36.19	36.19	36.33	36.05	36.90	37.33	36.90	35.91	34.63	33.92	33.21	33.35	34.34	35.05
6 [b]	35.79	35.94	36.08	36.08	35.94	36.22	36.65	36.08	34.80	34.52	33.95	33.81	34.37	35.08	35.79
7	36.10	35.96	36.38	36.52	36.52	36.81	37.09	36.24	34.54	33.68	33.26	33.26	33.12	33.97	34.54
8	36.12	36.12	35.83	35.98	36.26	36.54	37.40	37.11	36.26	35.41	34.98	34.70	34.56	34.70	35.12
9	36.27	36.27	36.27	36.41	36.55	37.69	37.97	37.26	35.84	34.28	33.15	32.15	33.00	34.28	35.13
10	36.15	36.29	37.14	37.28	37.43	37.71	37.85	37.57	36.01	34.02	32.60	32.46	32.60	34.02	35.87
11	36.17	36.31	36.45	36.60	37.73	37.87	38.16	37.87	36.03	35.03	33.61	32.76	32.62	33.47	34.60
12 [a]	35.75	35.90	35.90	36.05	36.33	37.18	37.89	37.76	36.63	35.06	33.22	32.23	32.52	33.51	34.36
13	36.10	36.10	36.10	36.11	36.25	36.96	37.40	37.54	36.97	35.70	34.00	33.15	33.72	34.15	35.43
14	35.89	35.75	36.04	36.33	36.47	37.47	38.75	38.47	37.47	37.05	35.64	34.79	34.08	34.09	35.22
15	35.83	36.12	35.97	35.98	35.98	36.98	38.27	38.12	37.13	36.00	34.73	33.87	34.03	34.59	36.16
16	36.20	36.05	36.48	36.35	36.63	37.06	38.06	38.35	37.21	35.80	34.66	33.95	33.81	35.40	36.55
17	36.13	36.42	36.70	36.84	36.99	37.13	37.41	36.70	35.57	34.57	34.15	33.58	34.29	35.00	36.84
18	36.42	36.56	36.42	36.56	36.70	37.27	37.55	36.84	35.85	35.57	35.42	35.28	34.86	34.57	35.71
19 [b]	36.43	36.29	36.71	36.85	37.00	36.85	37.14	36.85	36.29	35.58	34.72	35.01	35.29	35.43	36.14
20 [b]	36.43	37.28	37.56	37.14	37.42	36.29	35.29	34.16	34.44	33.45	33.30	34.01	34.58	35.43	36.43
21	36.15	36.30	36.30	36.15	35.87	36.01	36.44	35.59	34.02	34.02	34.17	34.45	34.87	35.87	36.30
22	36.15	36.30	36.58	36.58	36.44	37.29	38.14	37.43	36.44	35.59	34.73	34.45	34.73	35.44	35.87
23	36.31	36.45	36.16	35.74	35.74	37.30	38.29	37.44	36.59	35.60	34.18	33.75	34.03	34.74	35.88
24 [b]	36.73	36.87	36.73	37.02	36.87	37.73	38.44	38.72	37.30	35.60	34.03	33.47	33.61	35.17	36.87
25	36.74	37.03	37.31	37.03	37.03	38.16	38.02	37.31	36.17	35.75	34.04	33.05	33.48	34.75	36.32
26	36.46	36.88	36.74	37.03	37.17	37.31	37.59	37.03	36.88	37.03	35.89	35.47	34.62	34.76	35.47
27	36.13	36.28	36.42	36.42	36.56	37.55	37.70	37.13	35.99	33.72	32.58	31.73	31.87	33.58	35.42
28 [a]	36.33	36.47	36.47	36.46	36.46	37.31	37.74	37.59	37.30	36.45	35.60	34.88	35.02	35.59	36.30
29	36.27	36.41	36.41	36.27	36.27	36.97	37.54	37.82	37.82	37.25	36.67	35.25	34.54	35.11	36.25
30 [a]	36.22	36.36	36.50	36.64	36.50	37.21	37.35	37.07	36.93	35.79	33.80	33.38	33.24	34.23	35.51
Mean	36.19	36.34	36.47	36.54	36.63	37.18	37.67	37.24	36.27	35.26	34.28	33.79	33.84	34.60	35.68
Mean [a]	36.03	36.26	36.32	36.43	36.37	37.22	37.73	37.48	36.80	35.32	34.07	33.28	33.31	34.18	35.18
Mean [b]	36.30	36.53	36.69	36.73	36.78	36.92	37.07	36.61	35.67	34.85	34.14	34.25	34.54	35.22	36.27

[a] Five international quiet days.

[b] Five international disturbed days.

OCTOBER, 1919

0° East plus tabular quantities

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	36.17	36.17	36.17	36.17	36.03	37.03	38.02	38.58	------	------	------	------	35.74	36.75	37.32
2	36.03	35.16	36.60	36.32	36.32	35.45	35.74	35.31	35.45	35.74	34.88	34.01	34.30	35.31	35.88
3 [b]	36.31	36.45	36.59	36.74	36.59	37.03	37.75	38.03	37.60	37.03	36.02	35.44	35.87	37.17	37.75
4 [b]	36.59	36.45	36.45	36.45	36.31	36.16	36.74	36.88	36.16	35.59	34.72	34.15	34.43	35.44	36.88
5 [b]	36.58	36.87	36.30	36.15	36.01	37.59	37.16	36.87	36.44	35.43	34.28	32.98	33.27	34.57	34.14
6 [b]	32.70	36.87	36.73	37.30	37.02	36.87	37.16	36.87	36.30	35.43	35.29	34.71	35.29	35.58	36.30
7	36.00	36.00	36.14	36.29	35.71	36.00	36.72	37.29	37.44	37.01	36.14	35.28	34.56	34.85	35.71
8	36.00	36.14	36.14	36.14	35.85	36.00	36.57	36.57	------	------	36.00	35.28	------	36.29	37.15
9	36.57	36.72	36.72	36.86	36.86	37.44	------	------	37.15	36.14	35.42	34.27	34.41	34.85	35.71
10	36.71	37.14	37.00	36.85	36.28	36.56	------	------	36.42	35.70	35.56	35.27	35.41	35.70	35.99
11	36.28	36.42	36.56	36.71	36.28	36.13	------	------	36.85	37.00	36.13	35.70	35.41	35.99	37.00
12	36.55	36.55	36.70	36.84	36.70	------	------	------	36.84	36.41	35.69	35.69	35.55	35.83	36.55
13	36.41	36.55	36.55	36.55	36.27	------	------	------	37.13	36.99	35.98	35.69	35.69	36.27	36.84
14 [a]	36.41	36.55	36.70	36.55	36.12	36.12	35.98	36.27	36.41	36.55	36.55	36.12	36.70	36.99	37.13
15	36.84	36.84	36.70	36.70	36.55	35.98	35.69	35.98	36.12	36.55	35.83	35.69	35.69	36.27	36.84
16	36.55	36.70	36.70	35.98	35.69	35.69	35.83	35.55	34.83	34.54	35.26	35.55	36.41	37.13	37.42
17	37.27	37.13	37.13	36.99	37.27	36.70	35.83	35.55	35.40	35.11	35.26	35.55	35.98	36.84	36.99
18	37.13	37.27	37.42	37.71	37.27	37.27	36.41	35.98	35.83	35.55	35.69	35.98	36.70	37.13	37.27
19	36.83	36.83	36.69	36.54	36.26	36.11	35.97	35.97	35.68	35.25	35.39	35.68	36.11	36.69	37.12
20 [a]	36.69	36.54	36.40	36.40	36.26	35.97	35.68	35.82	35.68	35.68	35.68	35.82	36.54	36.69	37.12
21 [a]	36.69	36.69	36.55	36.55	36.41	36.26	35.97	35.68	35.54	35.25	35.10	35.39	36.26	36.83	36.98
22	36.54	36.69	36.69	36.69	36.54	36.83	37.12	37.41	37.12	35.97	35.68	35.54	35.82	36.69	36.98
23	36.83	36.83	36.69	36.54	36.26	36.11	36.26	36.11	35.68	35.39	35.25	35.68	36.26	37.12	37.70
24 [a]	36.40	36.26	36.26	36.11	36.11	35.97	35.82	35.97	36.11	35.68	35.54	35.10	34.82	35.68	36.11
25 [a]	36.26	36.40	36.40	36.26	36.11	36.54	36.83	37.12	36.83	35.68	34.82	35.25	35.68	36.11	36.98
26	36.98	36.83	36.69	36.54	36.26	36.54	37.12	37.55	36.69	35.25	34.38	34.53	35.10	35.68	36.69
27	36.54	36.11	35.68	35.54	35.68	35.68	35.82	35.82	35.68	35.68	35.82	35.96	35.96	35.82	36.40
28 [b]	36.53	36.68	36.68	36.53	36.25	36.10	36.39	36.68	36.53	35.96	35.67	36.10	36.25	36.53	37.11
29	36.82	36.25	35.96	35.81	35.24	35.53	35.67	36.68	36.53	36.25	36.53	36.68	36.82	36.97	37.11
30	36.68	36.53	36.25	35.81	35.67	35.53	35.38	35.81	36.68	36.39	36.25	36.10	36.10	36.25	36.68
31	35.96	36.10	35.81	35.67	35.53	35.81	35.96	37.11	37.11	36.25	35.53	35.53	35.81	35.96	36.82
Mean	36.41	36.54	36.52	36.46	36.25	36.31	36.37	36.52	36.35	35.91	35.54	35.36	35.63	36.19	36.73
Mean [a]	36.49	36.49	36.46	36.37	36.20	36.17	36.06	36.17	36.11	35.77	35.54	35.54	36.00	36.46	36.86
Mean [b]	35.74	36.66	36.55	36.63	36.44	36.75	37.04	37.07	36.61	35.89	35.20	34.68	35.02	35.86	36.44

[a] Five international quiet days; October 20 and 24 used instead of October 12 and 13.

[b] Five international disturbed days; October 6 used instead of October 1.

HOURLY VALUES OF DECLINATION

SEPTEMBER, 1919

0° East plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
′	′	′	′	′	′	′	′	′	′	*h.*	*m.*	′	*h.*	*m.*	′	′	
36.09	36.52	36.09	35.81	35.66	35.52	35.66	35.81	35.95	35.74	7	00	38.36	13	00	32.40	5.96	1
36.96	37.10	36.39	35.83	35.68	35.68	35.68	35.83	35.83	36.07	7	00	37.81	11	00	34.69	3.12	2
36.00	36.28	36.14	35.71	35.43	35.57	35.71	36.00	36.14	35.73	4	24	37.71	13	20	33.16	4.55	3
36.16	36.44	36.16	35.88	36.02	35.73	35.59	35.45	35.73	36.19	7	00	39.28	13	00	33.89	5.39	4
35.76	36.19	36.05	35.91	35.91	35.76	35.76	35.76	35.76	35.63	7	00	37.33	12	00	33.21	4.12	5
36.22	36.50	36.36	36.08	35.23	35.51	35.08	35.23	35.51	35.53	6	45	36.79	12	00	33.81	2.98	6
35.10	34.82	35.10	35.10	35.10	35.25	35.39	35.25	35.96	35.21	7	15	37.52	13	00	33.12	4.40	7
35.69	36.12	36.12	35.98	35.69	35.55	35.69	35.83	35.98	35.82	7	00	37.40	13	00	34.56	2.84	8
35.99	36.27	35.84	35.70	35.56	35.42	35.42	35.70	35.99	35.60	7	00	37.97	12	00	32.15	5.82	9
37.14	36.86	35.87	35.58	35.58	35.44	35.58	35.72	36.01	35.78	7	10	37.99	12	00	32.46	5.53	10
35.18	35.74	35.46	35.32	35.46	35.46	35.74	35.74	35.89	35.64	6	20	38.30	13	00	32.62	5.68	11
35.15	36.22	35.94	35.79	35.66	35.66	35.80	35.96	35.96	35.53	7	00	37.89	12	18	32.09	5.80	12
36.85	37.00	36.01	35.87	35.73	35.73	35.88	36.03	36.04	35.87	8	00	37.54	12	00	33.15	4.39	13
36.50	36.94	36.37	36.37	36.24	35.81	35.81	35.96	35.68	36.22	7	27	39.03	13	20	33.94	5.09	14
36.73	36.88	36.59	36.74	36.32	35.89	35.76	36.04	36.04	36.11	7	00	38.27	12	00	33.87	4.40	15
37.12	37.26	36.41	36.12	35.84	36.12	35.70	35.84	36.12	36.21	8	00	38.35	13	00	33.81	4.54	16
37.84	37.41	36.70	36.84	35.85	35.85	35.71	35.99	36.13	36.11	16	15	37.91	12	20	33.51	4.40	17
36.70	36.56	36.42	36.28	36.14	35.71	35.71	35.57	35.85	36.10	6	50	37.69	13	35	34.43	3.26	18
37.00	36.71	35.01	34.72	34.58	35.43	35.58	35.72	35.58	35.95	16	17	37.28	20	22	33.87	3.41	19
37.28	37.42	36.43	36.29	36.14	36.00	36.00	36.14	36.14	35.88	2	57	37.70	11	00	33.30	4.40	20
36.86	36.58	36.44	36.15	36.01	36.01	35.87	35.87	35.73	35.75	16	00	36.86	9	25	33.88	2.98	21
36.01	36.01	36.15	36.30	36.01	35.87	35.87	36.15	36.15	36.11	7	00	38.14	12	30	34.31	3.83	22
36.45	36.31	36.02	35.88	35.88	35.88	35.88	36.02	36.16	35.94	7	00	38.29	12	00	33.75	4.54	23
36.73	36.59	35.58	35.74	35.74	35.88	36.02	35.60	36.16	36.23	8	00	38.72	12	20	33.33	5.39	24
36.88	36.46	35.89	35.75	36.03	35.89	35.89	36.03	36.32	36.14	6	20	38.30	12	21	32.91	5.39	25
36.18	36.60	36.46	36.32	36.32	36.18	36.18	36.15	36.13	36.37	7	00	37.59	12	00	35.47	2.12	26
37.13	36.99	36.28	36.13	36.12	36.11	36.10	36.09	36.24	35.68	7	00	37.70	12	00	31.73	5.97	27
36.43	36.29	36.15	36.00	35.99	35.99	35.99	36.14	36.13	36.30	7	00	37.74	12	15	34.74	3.00	28
37.09	36.52	36.10	35.95	35.95	35.94	36.09	36.09	36.08	36.36	8	40	38.67	13	00	34.54	4.13	29
35.93	35.93	35.79	35.93	36.08	36.08	35.93	35.93	36.08	35.85	6	30	37.49	13	00	33.24	4.25	30
36.44	36.52	36.08	35.94	35.80	35.76	35.77	35.85	35.98	35.92	--------		37.92	--------		33.53	4.39	------
35.87	36.23	36.00	35.89	35.86	35.80	35.83	35.92	35.98	35.81	--------		37.76	--------		33.14	4.62	------
36.84	36.86	35.95	35.73	35.47	35.70	35.67	35.70	35.84	35.93	--------		37.66	--------		33.80	3.86	------

OCTOBER, 1919

0° East plus tabular quantities

′	′	′	′	′	′	′	′	′	′	*h.*	*m.*	′	*h.*	*m.*	′	′	
37.47	36.89	36.75	36.75	36.60	36.46	36.32	36.46	36.60	------	------		------	------		------	------	1
36.75	36.89	36.17	36.03	36.17	36.03	36.03	36.03	36.17	35.78	16	20	36.96	12	00	34.01	2.95	2
37.46	36.16	35.73	35.59	36.02	36.31	36.16	36.31	36.59	36.62	8	00	38.03	12	20	35.37	2.66	3
36.88	36.31	36.16	36.02	35.87	35.73	36.74	36.31	36.74	36.09	15	24	36.95	12	00	34.15	2.80	4
35.58	35.43	35.58	35.43	36.01	36.15	35.58	35.72	33.99	35.59	6	00	37.59	12	00	32.98	4.61	5
36.73	36.44	36.01	36.01	35.86	35.86	35.86	36.01	36.01	36.05	4	00	37.30	0	39	31.42	5.88	6
36.29	36.00	35.71	35.85	36.00	35.71	35.85	35.85	36.00	36.02	9	00	37.44	12	54	34.49	2.95	7
37.29	37.15	36.29	36.14	36.14	36.00	36.00	36.00	36.29	------	------		------	------		------	------	8
36.72	36.43	36.29	37.15	36.29	36.14	36.00	35.71	36.14	------	------		------	------		------	------	9
36.56	36.71	36.56	36.85	36.28	36.13	35.99	35.99	36.28	------	------		------	------		------	------	10
37.14	36.85	36.13	35.99	36.28	36.13	35.99	36.28	36.42	------	------		------	------		------	------	11
37.13	36.99	35.98	36.12	36.27	36.12	35.98	36.12	36.27	------	------		------	------		------	------	12
37.13	36.99	36.55	36.41	36.27	36.12	36.12	36.27	36.27	------	------		------	------		------	------	13
37.27	36.84	36.27	36.55	36.41	36.27	36.27	36.55	36.55	36.51	16	00	37.27	7	00	35.98	1.29	14
37.13	36.70	36.12	36.27	36.55	36.27	36.41	36.70	36.41	36.37	16	00	37.13	12	48	35.62	1.51	15
37.56	37.13	36.55	36.70	36.70	36.84	36.84	36.84	36.84	36.33	16	00	37.56	10	00	34.54	3.02	16
37.13	36.99	36.70	36.12	35.98	36.27	36.41	36.70	37.13	36.43	4	48	37.44	9	57	35.04	2.40	17
37.42	37.71	37.13	36.99	37.27	36.99	36.84	36.27	36.12	36.81	16	24	37.78	10	06	35.48	2.30	18
37.41	37.12	36.54	36.26	35.97	36.26	36.41	36.69	36.83	36.36	16	00	37.41	10	00	35.25	2.16	19
37.26	36.69	36.40	36.26	36.26	36.26	36.40	36.69	36.69	36.33	16	00	37.26	11	51	35.61	1.65	20
36.83	36.54	36.26	36.40	36.54	36.40	36.26	36.26	36.40	36.25	15	00	36.98	11	00	35.10	1.88	21
37.12	37.26	36.98	36.69	35.97	36.54	36.26	36.36	36.69	36.59	8	00	37.41	12	33	35.47	1.94	22
37.41	36.54	35.97	35.97	35.11	36.26	36.26	36.26	36.26	36.28	15	45	37.77	11	00	35.25	2.52	23
36.69	36.26	35.97	36.11	35.97	35.97	36.11	36.26	36.26	35.98	16	20	36.76	13	00	34.82	1.94	24
37.12	36.69	36.26	36.40	36.40	36.26	36.26	36.54	36.69	36.33	15	54	37.19	11	00	34.82	2.37	25
37.12	36.98	36.26	36.40	36.26	36.26	36.26	36.40	36.54	36.30	8	00	37.55	11	00	34.38	3.17	26
35.68	35.68	35.82	35.96	36.11	36.11	36.26	36.54	36.54	35.95	14	51	36.68	3	33	35.40	1.28	27
36.25	36.68	36.82	37.69	36.82	36.97	37.11	36.82	36.97	36.59	19	00	37.69	11	00	35.67	2.02	28
37.40	37.11	36.10	36.82	36.68	36.53	36.68	36.68	36.68	36.48	16	30	37.54	4	48	35.17	2.37	29
36.97	36.68	36.53	36.39	36.25	36.39	36.25	36.10	36.10	36.24	16	00	36.97	7	00	35.38	1.59	30
36.97	36.82	36.10	36.25	36.10	35.96	35.96	36.10	36.10	36.14	16	15	37.11	11	33	35.39	1.72	31
36.96	36.70	36.28	36.34	36.24	36.25	36.25	36.32	36.37	36.27	--------		37.32	--------		34.86	2.46	------
37.03	36.60	36.23	36.34	36.32	36.23	36.26	36.46	36.52	36.28	--------		37.09	--------		35.26	1.83	------
36.58	36.20	36.06	36.15	36.12	36.20	36.29	36.23	36.06	36.19	--------		37.51	--------		33.92	3.59	------

HOURLY VALUES OF DECLINATION

NOVEMBER, 1919

0° East plus tabular quantities

Day.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}	12^{h}	13^{h}	14^{h}	15^{h}
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	36.10	35.96	35.96	36.10	35.96	35.81	36.39	36.82	36.53	35.67	34.66	34.81	35.53	35.67	35.81
2	36.39	36.25	36.10	36.10	35.95	36.39	36.68	36.97	36.53	35.81	35.38	35.66	35.95	36.25	36.67
3	36.25	36.25	36.10	35.95	35.66	35.66	36.10	36.97	37.11	36.25	35.66	35.38	35.66	35.81	36.10
4[b]	36.96	37.10	36.96	36.81	36.52	35.95	35.80	36.38	37.10	36.67	36.81	36.96	37.53	37.68	37.53
5	37.53	37.68	37.39	37.24	37.10	36.96	36.24	36.09	36.24	36.38	35.80	36.09	36.52	35.95	36.24
6	36.81	36.81	36.67	36.52	36.24	36.24	36.81	37.10	37.10	36.52	35.66	35.37	35.66	35.80	35.95
7[a]	36.80	36.95	36.95	36.66	36.51	36.66	37.09	37.95	37.95	37.38	36.95	36.80	37.09	37.09	36.95
8	36.80	36.95	36.95	36.66	36.80	36.95	37.23	37.95	38.10	37.52	36.95	37.09	37.09	36.95	37.09
9[a]	36.95	36.95	36.80	36.66	36.66	36.66	36.51	36.80	37.09	36.51	35.79	35.65	36.08	35.94	35.79
10	36.80	36.80	36.80	36.66	36.66	36.51	36.08	36.51	36.37	36.23	35.79	35.51	35.22	35.51	35.94
11[b]	37.08	36.94	36.94	36.65	36.50	35.93	35.78	36.36	37.08	36.94	36.79	36.94	37.08	37.37	38.09
12	37.08	36.79	36.65	36.79	37.22	36.65	36.36	37.08	36.94	36.36	36.07	35.93	36.65	36.94	37.08
13	36.94	36.94	36.79	36.65	36.50	36.22	35.93	36.65	37.08	37.94	37.66	37.22	36.94	37.08	37.37
14[a]	36.64	36.64	36.49	36.21	35.92	35.77	35.92	36.78	37.36	38.36	38.22	37.65	37.36	37.07	37.07
15	36.78	36.64	36.64	36.49	36.21	35.92	35.77	36.64	37.36	38.08	37.36	37.21	37.07	37.07	36.93
16[b]	36.78	36.78	36.64	36.21	35.92	35.77	35.63	36.21	36.93	37.50	38.36	38.08	37.65	37.50	37.36
17[b]	37.36	37.50	37.07	37.21	37.21	36.78	35.63	35.92	36.64	37.21	37.65	37.93	37.93	38.08	37.93
18	37.06	37.06	36.92	36.77	36.48	35.48	35.04	34.90	35.62	36.48	36.34	36.48	37.06	37.49	37.35
19[a]	37.06	36.77	36.92	37.06	36.48	36.05	35.76	35.91	36.20	36.63	37.20	37.64	37.06	36.05	35.91
20[a]	36.91	37.05	36.91	36.62	36.47	36.33	36.62	36.91	36.91	37.05	37.05	36.76	36.62	37.05	37.19
21	37.04	36.90	36.75	36.75	36.61	36.61	36.46	36.46	36.75	37.18	37.47	38.05	38.34	37.62	37.18
22[b]	36.90	36.90	36.90	36.61	35.89	36.03	35.74	36.46	36.61	37.04	37.62	37.18	37.04	37.18	37.47
23	36.89	37.03	36.89	36.60	36.17	35.88	35.45	35.59	35.73	35.88	36.60	37.03	37.17	37.32	37.61
24	37.03	37.17	37.03	36.89	36.60	36.17	35.73	35.59	35.73	36.02	37.03	37.61	38.47	38.18	38.33
25	36.88	36.88	36.73	36.44	36.18	35.72	35.15	35.00	35.44	35.87	36.88	37.16	37.02	37.02	37.31
26	36.58	36.58	36.58	36.43	36.15	35.71	35.28	35.14	35.71	35.86	36.72	37.01	36.87	36.72	37.15
27	36.58	36.58	36.58	36.58	36.43	36.15	35.71	36.58	37.01	36.87	37.15	36.72	37.01	37.01	37.01
28	36.86	36.86	36.71	36.57	36.42	36.14	35.70	36.57	36.71	37.00	37.14	37.29	37.86	37.29	37.14
29	36.86	36.71	36.42	36.14	35.70	35.42	34.84	35.13	35.70	35.99	36.86	37.00	38.01	37.86	37.43
30	36.85	36.70	36.70	36.56	36.41	36.13	36.56	37.13	37.57	38.29	38.43	38.29	37.57	37.13	37.13
Mean	36.85	36.84	36.73	36.59	36.38	36.16	36.00	36.42	36.71	36.78	36.80	36.82	36.97	36.92	37.00
Mean[a]	36.87	36.87	36.81	36.64	36.41	36.29	36.38	36.87	37.10	37.19	37.04	36.90	36.84	36.64	36.58
Mean[b]	37.02	37.04	36.90	36.70	36.41	36.09	35.72	36.27	36.87	37.07	37.45	37.42	37.45	37.56	37.68

[a] Five international quiet days.

[b] Five international disturbed days.

DECEMBER, 1919

0° East plus tabular quantities

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1[a]	36.85	37.13	36.99	36.85	36.56	35.84	35.84	36.56	37.28	37.71	38.14	37.85	37.57	37.71	37.85
2	36.98	36.84	36.55	36.40	36.26	35.97	35.97	36.84	37.27	37.56	37.84	37.41	37.70	37.41	37.27
3[b]	37.11	37.11	36.97	36.97	36.83	36.68	36.54	37.11	37.83	37.98	37.98	37.83	37.55	37.11	37.40
4	37.11	37.11	37.11	37.26	36.83	36.68	36.11	36.54	36.97	37.11	37.11	37.11	37.26	36.68	36.83
5	37.97	38.11	37.83	37.97	37.25	36.82	36.24	36.53	36.82	36.67	36.53	36.82	37.10	37.54	37.54
6	37.10	37.25	36.96	36.96	37.10	36.67	35.66	35.95	36.82	36.67	35.95	36.53	36.96	37.82	38.40
7	37.09	36.95	36.95	36.81	36.66	36.37	36.37	36.52	36.81	37.09	36.95	37.38	37.53	37.96	38.25
8	37.08	36.94	36.94	36.80	36.65	36.08	35.50	35.79	36.08	36.36	35.93	36.65	37.80	38.09	37.95
9	37.08	37.08	37.23	37.23	36.94	36.36	35.64	35.50	36.51	37.08	36.94	37.08	37.80	37.95	37.95
10	37.36	37.22	37.07	36.93	36.93	36.50	35.78	35.49	35.78	36.79	37.51	37.22	37.07	37.65	37.94
11	36.93	36.79	36.79	36.64	36.35	35.92	35.49	35.35	36.07	36.35	36.50	36.64	36.93	37.22	37.94
12	37.06	36.92	36.92	36.78	36.63	36.34	36.06	36.49	36.92	37.35	38.22	37.64	37.35	36.92	37.21
13	37.05	36.91	36.77	36.77	36.48	36.33	35.46	35.61	36.05	36.62	37.05	37.20	37.77	37.34	37.49
14[b]	37.05	36.91	36.91	36.91	36.77	36.48	36.05	36.19	36.62	37.05	37.49	37.49	36.77	37.05	37.63
15[b]	37.19	36.90	37.04	36.04	35.89	35.60	35.03	34.88	35.32	36.90	37.04	36.47	36.32	35.75	36.04
16	36.90	36.04	35.89	35.46	35.46	35.32	35.03	35.46	35.46	35.75	36.04	36.47	36.90	37.33	37.62
17[a]	36.89	36.75	36.60	36.46	36.17	35.88	35.45	35.74	36.03	36.46	36.89	36.75	36.03	36.60	36.89
18	36.86	36.86	36.86	36.72	36.72	36.28	35.85	36.43	37.44	38.01	38.30	37.72	37.44	36.86	36.43
19	36.97	36.83	36.69	36.40	35.68	34.96	34.38	34.24	35.25	36.11	36.69	36.83	36.97	37.26	37.41
20	36.80	36.80	36.66	36.51	36.37	36.08	35.50	35.50	36.37	36.80	37.09	36.94	36.66	36.51	36.66
21	36.48	36.34	36.34	36.19	35.91	35.47	35.19	35.33	36.34	36.91	37.06	36.77	36.91	36.91	37.63
22[b]	36.45	36.45	35.88	36.31	36.16	35.88	35.59	36.31	36.74	37.60	37.46	36.88	36.60	36.45	37.03
23	36.58	36.14	35.86	36.29	36.14	35.57	34.99	35.57	35.57	37.58	37.44	36.72	37.30	37.58	37.30
24[b]	36.40	36.55	36.40	36.26	36.11	35.53	34.67	35.39	36.26	36.40	36.69	36.98	37.55	38.71	39.14
25	36.66	36.23	36.23	36.23	35.80	35.08	34.07	33.92	35.22	36.23	36.08	36.23	36.37	36.52	36.66
26[a]	36.63	36.49	36.34	36.20	36.20	36.05	35.91	36.20	36.77	37.49	36.92	36.77	36.77	36.49	36.49
27	36.74	36.74	36.60	36.60	36.60	36.46	36.17	36.74	38.33	38.62	37.75	36.74	36.60	36.74	36.46
28[a]	36.58	36.58	36.44	36.29	36.16	36.16	35.72	36.16	37.01	37.44	36.58	35.43	35.14	35.72	36.29
29[a]	36.55	36.55	36.55	36.69	36.69	36.41	36.12	37.13	38.28	38.42	37.70	36.41	35.25	35.11	35.69
30	36.38	36.38	36.38	36.23	36.38	36.09	35.66	36.23	36.81	37.53	36.52	36.09	36.38	36.52	36.81
31	36.49	36.49	36.49	36.35	36.06	35.48	35.34	36.20	-------	38.22	37.93	37.35	36.06	36.49	37.07
Mean	36.88	36.79	36.69	36.60	36.41	36.04	35.59	35.93	36.57	37.12	37.11	36.92	36.92	37.03	37.27
Mean[a]	36.70	36.70	36.58	36.50	36.36	36.07	35.81	36.36	37.07	37.50	37.25	36.64	36.15	36.33	36.64
Mean[b]	36.84	36.78	36.64	36.50	36.35	36.03	35.58	35.98	36.55	37.19	37.33	37.13	36.96	37.01	37.45

[a] Five international quiet days; December 28 used instead of December 31.

[b] Five international disturbed days.

HOURLY VALUES OF DECLINATION

NOVEMBER, 1919

0° East plus tabular quantities

16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}	24^{h}	Mean.	Maximum.			Minimum.			Range.	Day.
′	′	′	′	′	′	′	′	′	′	h.	m.	′	h.	m.	′	′	
36.10	35.96	35.96	36.10	36.10	36.10	36.25	36.39	36.53	35.97	8	00	36.82	11	00	34.66	2.16	1
36.53	36.25	36.10	36.53	36.53	36.39	36.39	36.25	36.25	36.26	8	00	36.97	11	00	35.38	1.59	2
36.68	36.97	36.68	36.82	36.97	36.97	36.97	36.97	36.97	36.37	8	00	37.11	12	00	35.38	1.73	3
37.39	37.24	36.67	36.38	35.80	35.80	36.38	37.10	37.24	36.78	14	00	37.68	19	45	35.73	1.95	4
36.67	36.81	36.96	36.81	36.67	36.52	36.67	36.67	36.81	36.67	1	42	37.96	11	00	35.80	2.16	5
36.38	36.67	36.81	37.10	36.96	36.96	36.81	36.81	36.81	36.52	9	10	37.17	12	00	35.37	1.80	6
36.95	36.80	36.66	36.66	36.80	36.80	36.80	36.80	36.80	36.95	8	20	38.02	5	00	36.51	1.51	7
37.09	36.95	36.80	36.95	36.80	36.66	36.66	36.66	36.80	37.02	8	30	38.17	21	15	36.59	1.58	8
36.66	37.09	36.95	37.09	36.95	36.80	36.80	36.80	36.80	36.62	16	45	37.16	12	00	35.65	1.51	9
36.80	36.95	36.66	37.09	37.23	37.09	37.09	37.09	37.09	36.52	20	00	37.23	12	00	35.22	2.01	10
37.95	37.37	37.08	37.08	37.22	37.08	36.94	36.94	37.08	36.97	15	00	38.09	7	00	35.78	2.31	11
37.66	37.94	37.22	37.08	37.22	36.94	36.79	36.94	36.79	36.88	17	12	38.08	12	00	35.93	2.15	12
37.94	37.37	37.08	37.22	37.08	36.94	36.79	36.65	36.50	36.98	15	45	38.01	7	00	35.93	2.08	13
37.21	37.36	37.21	37.07	37.07	36.93	36.78	36.64	36.78	36.94	10	00	38.36	6	00	35.77	2.59	14
37.07	37.21	37.07	36.93	36.93	36.78	36.64	36.64	36.64	36.84	10	00	38.08	7	00	35.77	2.31	15
37.65	37.36	37.36	37.21	37.07	37.07	36.93	37.07	37.21	37.01	11	00	38.36	7	00	35.63	2.73	16
37.79	37.07	36.93	37.21	36.93	36.78	36.93	37.07	37.21	37.17	14	00	38.08	7	00	35.63	2.45	17
37.20	37.06	36.92	36.92	37.06	36.92	36.92	37.06	37.06	36.65	14	00	37.49	8	00	34.90	2.59	18
36.63	36.92	36.77	36.77	36.63	36.77	36.77	36.92	37.06	36.66	12	00	37.64	7	00	35.76	1.88	19
37.34	37.48	37.19	37.05	37.05	36.91	36.76	36.91	37.05	36.92	17	00	37.48	6	00	36.33	1.15	20
37.04	36.90	36.90	36.90	36.75	36.75	36.75	36.90	36.90	37.00	13	00	38.34	7	15	36.39	1.95	21
38.48	37.47	37.04	36.90	37.04	36.75	37.33	37.18	37.04	36.95	16	00	38.48	7	00	35.74	2.74	22
37.46	37.17	37.03	37.03	36.89	36.74	36.74	36.89	37.03	36.70	15	00	37.61	7	00	35.45	2.16	23
38.04	37.32	37.17	37.03	36.89	36.89	36.89	36.89	36.89	36.98	13	00	38.47	8	00	35.59	2.88	24
37.31	37.16	37.02	37.02	36.88	36.88	36.73	36.59	36.59	36.58	15	57	37.38	8	00	35.00	2.38	25
37.44	37.15	37.01	37.01	36.72	36.58	36.58	36.58	36.58	36.51	16	00	37.44	8	00	35.14	2.30	26
37.01	37.15	36.87	37.15	37.01	37.01	37.01	36.87	36.87	36.79	17	57	37.22	7	00	35.71	1.51	27
37.58	37.29	37.00	37.00	36.86	37.00	37.00	37.00	36.86	36.91	13	00	37.86	7	00	35.70	2.16	28
37.72	37.58	37.29	37.14	37.14	37.00	37.00	36.86	36.86	36.69	13	00	38.01	7	00	34.84	3.17	29
37.42	37.71	37.42	37.28	37.28	37.13	36.99	36.99	36.99	37.19	11	00	38.43	6	00	36.13	2.30	30
37.24	37.12	36.93	36.95	36.88	36.80	36.80	36.84	36.87	36.77	---------		37.77	---------		35.65	2.12	------
36.96	37.13	36.96	36.93	36.90	36.84	36.78	36.81	36.90	36.82	---------		37.73	---------		36.00	1.73	------
37.85	37.30	37.02	36.96	36.81	36.70	36.90	37.07	37.16	36.98	---------		38.14	---------		35.70	2.44	------

DECEMBER, 1919

0° East plus tabular quantities

16^{h}	17^{h}	18^{h}	19^{h}	20^{h}	21^{h}	22^{h}	23^{h}	24^{h}	Mean.	Maximum.			Minimum.			Range.	Day.
′	′	′	′	′	′	′	′	′	′	h.	m.	′	h.	m.	′	′	
38.00	37.85	37.42	37.42	37.28	37.13	37.13	36.99	36.99	37.21	11	00	38.14	6	27	35.77	2.37	1
37.70	37.56	37.41	37.27	37.12	37.12	36.98	36.98	37.12	37.06	11	00	37.84	5	48	35.90	1.94	2
37.83	37.98	37.83	37.40	37.26	36.97	36.97	37.11	37.11	37.31	17	42	38.05	7	00	36.54	1.51	3
36.97	37.11	36.83	36.83	36.97	36.97	36.97	37.11	37.55	36.96	24	00	37.55	7	00	36.11	1.44	4
37.83	37.25	37.25	36.96	36.67	36.82	36.96	36.96	36.96	37.14	2	00	38.11	7	00	36.24	1.87	5
38.54	38.26	37.82	37.25	37.10	37.10	36.96	36.96	37.10	37.08	16	00	38.54	7	00	35.66	2.88	6
38.10	37.38	37.09	37.09	37.09	36.95	36.95	36.95	36.95	37.09	15	00	38.25	6	42	36.30	1.95	7
37.95	37.80	37.52	37.37	37.08	36.94	36.94	37.08	37.08	36.93	14	00	38.09	7	00	35.50	2.59	8
37.80	37.52	37.23	36.94	37.08	37.08	36.94	36.94	37.08	37.04	15	10	38.02	8	00	35.50	2.52	9
38.23	38.37	37.79	37.65	37.51	37.22	36.93	36.93	36.93	37.12	17	00	38.37	8	00	35.49	2.88	10
38.08	37.94	37.79	37.36	37.22	37.07	37.07	36.93	37.36	36.86	16	00	38.08	8	00	35.35	2.73	11
38.22	38.22	37.06	37.35	37.50	37.21	37.06	37.06	37.06	37.15	16	42	38.29	7	00	36.06	2.23	12
37.92	38.06	37.77	37.49	37.49	37.34	37.34	37.20	37.34	37.04	17	00	38.06	7	00	35.46	2.60	13
37.77	37.34	37.20	37.05	37.05	36.91	37.05	37.34	37.20	37.01	16	33	37.84	7	00	36.05	1.79	14
36.47	35.46	35.75	36.47	37.91	37.48	38.63	38.77	37.33	36.53	22	50	38.84	7	15	34.74	4.10	15
37.76	37.91	37.62	37.33	37.48	37.19	37.04	36.76	36.76	36.54	16	54	37.98	7	00	35.03	2.95	16
37.18	37.32	37.03	37.18	37.18	37.03	36.89	36.89	36.89	36.63	17	00	37.32	7	00	35.45	1.87	17
37.00	37.15	37.29	37.29	37.15	37.15	37.00	37.00	37.00	37.03	11	00	38.30	7	00	35.85	2.45	18
37.84	37.84	37.41	37.12	36.97	37.12	36.97	36.83	36.83	36.57	15	24	37.98	7	36	34.17	3.81	19
36.94	36.80	36.94	36.94	36.80	36.66	36.51	36.51	36.66	36.58	11	00	37.09	6	20	35.43	1.66	20
37.78	37.63	37.06	36.91	36.77	36.77	36.63	36.77	36.63	36.61	16	00	37.78	6	30	35.05	2.73	21
37.60	37.89	37.32	36.74	36.60	36.74	36.88	36.74	36.60	36.70	17	00	37.89	7	03	35.52	2.37	22
37.73	38.02	37.15	37.01	36.86	36.72	36.72	36.72	36.72	36.68	16	48	38.09	7	00	34.99	3.10	23
39.14	38.56	37.70	37.27	37.70	36.98	36.98	36.83	36.98	36.97	15	18	39.21	6	54	34.60	4.61	24
36.95	37.24	36.80	37.09	36.80	36.66	36.66	36.66	36.66	36.21	16	48	37.31	7	33	33.85	3.46	25
36.77	36.92	36.63	36.77	36.63	36.63	36.63	36.77	36.77	36.59	9	30	37.63	6	33	35.84	1.79	26
36.89	37.46	36.60	36.60	36.46	36.46	36.60	36.46	36.60	36.83	10	00	38.62	7	00	36.17	2.45	27
36.72	37.16	36.87	36.87	36.72	36.58	36.58	36.44	36.58	36.43	10	18	37.51	12	24	35.07	2.44	28
36.41	36.69	36.84	36.84	36.69	36.55	36.55	36.41	36.41	36.62	10	00	38.42	14	00	35.11	3.31	29
37.53	37.82	37.38	36.81	36.95	36.66	36.52	36.52	36.52	36.63	16	36	37.96	7	00	35.66	2.30	30
37.35	37.21	36.92	36.78	36.63	36.49	36.49	36.49	36.49	-------	10	12	38.36	7	00	35.34	3.02	31
37.58	37.54	37.20	37.08	37.06	36.93	36.92	36.91	36.91	36.84	---------		38.05	---------		35.48	2.57	------
37.02	37.19	36.96	37.02	36.90	36.78	36.76	36.70	36.73	36.70	---------		37.80	---------		35.45	2.35	------
37.76	37.45	37.16	36.99	37.30	37.02	37.30	37.36	37.04	36.90	---------		38.37	---------		35.49	2.88	------

HOURLY VALUES OF HORIZONTAL INTENSITY

JANUARY, 1919

30000 γ plus tabular quantities

Day.	1^h	2^h	3^h	4^h	5^h	6^h	7^h	8^h	9^h	10^h	11^h	12^h	13^h	14^h	15^h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8107	8113	8110	8120	8123	8124	8129	8135	8149	8159	8156	8150	8149	8148	8148
2[a]	8118	8118	8115	8117	8120	8123	8134	8136	8146	8163	8166	8176	8167	8154	8144
3[b]	8125	8124	8127	8127	8126	8129	8135	8144	8153	8158	8164	8168	8164	8163	8161
4[b]	8139	8145	8115	8110	8075	8069	8095	8123	8131	8095	8109	8096	8095	8092	8094
5[b]	8044	8069	8077	8080	8078	8068	8080	8098	8086	8113	8088	8102	8093	8092	8088
6	8086	8083	8083	8081	8088	8082	8091	8089	8098	8098	8114	8126	8122	8116	8115
7	8086	8091	8093	8100	8100	8097	8089	8094	8109	8120	8117	8123	8131	8127	8114
8	8105	8107	8104	8098	8102	8104	8109	8121	8136	8139	8140	8141	8133	8122	8111
9	8103	8115	8111	8109	8113	8116	8124	8134	8134	8155	8157	8154	8145	8135	8124
10	8108	8115	8113	8109	8108	8110	8111	8117	8136	8155	8168	8168	8163	8150	8138
11[a]	8113	8108	8108	8109	8111	8115	8122	8125	8147	8173	8189	8186	8177	8157	8150
12	8118	8121	8120	8119	8119	8122	8126	8131	8144	8160	8170	8171	8161	8157	8156
13	8114	8115	8114	8114	8119	8125	8133	8164	8176	8197	8184	8208	8196	8164	8139
14	8090	8078	8095	8092	8091	8108	8118	8144	8191	8199	8207	8187	8139	8115	8081
15	8090	8088	8091	8097	8098	8102	8109	8120	8136	8148	8162	8157	8145	8137	8134
16	8102	8101	8106	8105	8106	8117	8122	8130	8146	8171	8187	8192	8188	8170	8135
17	8080	8063	8074	8082	8060	8067	8063	8067	8081	8107	8091	8085	8094	8089	8089
18[b]	8090	8083	8091	8096	8094	8090	8092	8095	8105	8120	8129	8134	8128	8136	8125
19	8109	8097	8089	8089	8081	8084	8081	8083	8104	8111	8119	8130	8114	8117	8107
20	8105	8089	8101	8088	8088	8097	8095	8106	8123	8146	8146	8142	8142	8137	8128
21	8114	8093	8093	8092	8091	8100	8095	8113	8117	8140	8138	8160	8135	8120	8115
22	8098	8103	8101	8099	8106	8109	8114	8119	8122	8152	8156	8164	8158	8142	8132
23	8102	8103	8095	8104	8108	8106	8099	8102	8111	8124	8136	8145	8147	8137	8122
24	8115	8116	8111	8103	8107	8107	8111	8126	8143	8162	8173	8177	8167	8153	8151
25[a]	8109	8106	8107	8109	8107	8105	8105	8111	8123	8136	8144	8152	8146	8138	8136
26[a]	8113	8112	8112	8110	8114	8114	8117	8126	8137	8153	8164	8160	8162	8151	8149
27[a]	8111	8109	8111	8112	8116	8118	8122	8130	8138	8159	8173	8175	8168	8161	8151
28	8123	8126	8124	8125	8125	8124	8127	8129							
29								8098	8104	8126	8127	8134	8125	8128	8126
30	8100	8099	8098	8101	8090	8106	8104	8106	8119	8132	8146	8155	8157	8147	8138
31[b]	8075	8090	8090	8093	8094	8100	8104	8110	8123	8137	8160	8162	8153	8143	8138
Mean	8103	8103	8103	8103	8102	8105	8109	8117	8129	8144	8149	8153	8145	8137	8128
Mean[a]	8113	8111	8111	8111	8114	8115	8120	8126	8138	8157	8167	8170	8164	8152	8146
Mean[b]	8095	8102	8100	8101	8093	8091	8101	8114	8120	8125	8130	8132	8127	8125	8121

FEBRUARY, 1919

30000 γ plus tabular quantities

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1[b]	8118	8094	8067	8088	8090	8090	8085	8094	8093	8117	8103	8113	8106	8086	8098
2	8104	8095	8095	8100	8100	8100	8114	8123	8138	8145	8161	8153	8144	8125	8125
3	8107	8094	8088	8100	8098	8097	8112	8126	8142	8155	8174	8166	8151	8151	8140
4	8110	8099	8092	8091	8092	8100	8115	8140	8162	8179	8172	8166	8143	8136	8124
5	8100	8114	8107	8087	8090	8089	8108	8117	8141	8153	8183	8163	8128	8122	8117
6	8097	8100	8102	8107	8103	8109	8120	8136	8161	8179	8159	8148	8139	8122	8112
7[a]	8103	8101	8103	8105	8104	8111	8125	8144	8172	8192	8213	8216	8203	8174	8151
8	8109	8112	8111	8109	8108	8113	8122	8135	8149	8178	8192	8186	8165	8140	8125
9	8108	8107	8105	8109	8108	8112	8113	8125	8151	8184	8202	8206	8204	8168	8139
10[a]	8104	8108	8098	8103	8106	8102	8104	8124	8146	8166	8192	8196	8183	8152	8131
11[a]	8100	8107	8108	8109	8110	8113	8117	8129	8138	8161	8175	8185	8176	8160	8139
12[a]	8112	8114	8114	8113	8113	8114	8115	8123	8139	8170	8188	8198	8198	8182	8163
13	8117	8118	8122	8128	8132	8137	8147	8161	8179	8200	8196	8205	8207	8188	8163
14[b]	8084	8078	8081	8093	8088	8090	8096	8102	8117	8122	8123	8117	8120	8097	8097
15	8084	8116	8108	8104	8096	8091	8099	8112	8127	8146	8141	8133	8136	8139	8132
16	8104	8102	8094	8094	8105	8094	8098	8102	8112	8121	8137	8123	8120	8116	8110
17	8108	8088	8087	8099	8097	8096	8102	8126	8142	8159	8170	8163	8152	8131	8123
18	8102	8099	8103	8095	8096	8096	8096	8113	8138	8162	8176	8179	8170	8150	8136
19	8105	8124	8112	8109	8099	8105	8112	8129	8154	8180	8193	8189	8167	8147	8136
20	8108	8111	8111	8112	8110	8112	8121	8137	8157	8174	8186	8191	8171	8159	8176
21[b]	8118	8125	8130	8141	8137	8142	8149	8165	8174	8188	8182	8158	8127	8108	8127
22[b]	8088	8092	8076	8089	8083	8090	8081	8083	8101	8134	8131	8117	8129	8112	8095
23	8083	8078	8091	8100	8097	8094	8096	8101	8090	8106	8122	8132	8112	8107	8084
24	8067	8068	8084	8081	8083	8086	8082	8080	8087	8094	8098	8115	8110	8107	8097
25[a]	8083	8080	8080	8078	8079	8078	8078	8086	8094	8116	8127	8134	8128	8118	8103
26	8090	8088	8089	8089	8088	8089	8092	8103	8112	8124	8138	8143	8136	8127	8118
27	8093	8087	8085	8090	8088	8094	8102	8105	8119	8141	8146	8135	8120	8101	8100
28[b]	8107	8108	8107	8115	8095	8107	8103	8106	8139	8212	8118	8108	8079	8052	8017
Mean	8100	8100	8098	8101	8100	8102	8107	8119	8135	8156	8161	8158	8147	8131	8121
Mean[a]	8100	8102	8101	8102	8102	8104	8108	8121	8138	8161	8179	8186	8178	8157	8137
Mean[b]	8103	8099	8092	8105	8099	8104	8103	8110	8125	8155	8131	8123	8112	8091	8087

[a] Five international quiet days.

[b] Five international disturbed days.

HOURLY VALUES OF HORIZONTAL INTENSITY

JANUARY, 1919

30000 γ plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
8147	8141	8135	8130	8128	8123	8124	8122	8121	8133	10	00	8159	0	45	8103	56	1
8144	8137	8132	8127	8125	8121	8123	8124	8125	8136	12	00	8176	1	24	8113	63	2
8160	8159	8153	8147	8145	8142	8141	8142	8141	8146	11	15	8169	1	12	8122	47	3
8089	8050	8035	8029	8023	8013	7992	8039	8080	8081	2	08	8162	21	45	7988	174	4
8058	8073	8083	8100	8076	8086	8081	8077	8119	8084	10	18	8122	1	00	8044	78	5
8110	8092	8091	8070	8092	8108	8090	8088	8094	8096	12	00	8126	19	20	8068	58	6
8090	8105	8110	8083	8096	8098	8092	8094	8093	8102	10	42	8135	19	20	8080	55	7
8106	8099	8113	8104	8096	8099	8127	8104	8103	8113	12	03	8142	0	01	8093	49	8
8116	8117	8111	8117	8105	8108	8111	8109	8108	8122	10	30	8159	0	10	8102	57	9
8132	8129	8121	8116	8113	8111	8112	8112	8112	8126	10	55	8169	1	18	8106	63	10
8133	8125	8120	8120	8121	8117	8117	8122	8117	8133	11	00	8189	1	39	8106	83	11
8138	8141	8135	8127	8128	8126	8124	8121	8117	8136	12	00	8171	24	00	8117	54	12
8093	8047	8045	8054	8072	8086	8078	8080	8093	8121	9	33	8220	17	18	8042	178	13
8085	8078	8082	8081	8097	8083	8071	8081	8089	8112	11	00	8207	16	18	8053	154	14
8120	8118	8117	8112	8103	8098	8104	8103	8104	8116	10	48	8168	2	00	8088	80	15
8122	8123	8124	8114	8098	8065	8065	8063	8077	8122	12	00	8192	21	39	8060	132	16
8082	8092	8090	8079	8100	8075	8081	8070	8101	8082	10	00	8107	5	00	8060	47	17
8108	8097	8087	8098	8095	8096	8082	8101	8093	8103	12	18	8164	21	45	8072	92	18
8111	8108	8089	8093	8090	8087	8114	8096	8095	8100	11	24	8135	0	48	8076	59	19
8119	8118	8118	8107	8105	8082	8106	8092	8098	8112	11	24	8156	21	00	8082	74	20
8108	8101	8111	8105	8104	8101	8095	8100	8101	8110	12	00	8160	2	24	8088	72	21
8121	8111	8102	8111	8103	8105	8102	8101	8102	8118	12	00	8164	1	15	8097	67	22
8113	8123	8122	8116	8104	8109	8108	8104	8111	8115	12	15	8149	3	09	8094	55	23
8143	8131	8123	8123	8123	8104	8100	8104	8106	8128	12	00	8177	22	00	8100	77	24
8129	8125	8125	8119	8112	8111	8112	8110	8110	8120	11	18	8154	1	36	8104	50	25
8144	8139	8130	8120	8108	8104	8106	8107	8112	8128	11	00	8164	21	00	8104	60	26
8148	8140	8136	8132	8124	8121	8115	8117	8122	8134	11	39	8177	1	30	8108	69	27
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	28
8121	8120	8121	8111	8094	8088	8098	8096	8098	----	----	----	----	----	----	----	----	29
8133	8130	8117	8115	8103	8096	8082	8073	8071	8113	11	18	8159	24	00	8071	88	30
8132	8136	8128	8150	8152	8165	8151	8123	8123	8126	11	27	8167	0	01	8071	96	31
8118	8114	8110	8107	8104	8101	8100	8099	8105	8116	----	----	8162	----	----	8083	79	----
8140	8133	8129	8124	8118	8115	8115	8116	8117	8130	----	----	8172	----	----	8107	65	----
8109	8103	8097	8105	8098	8100	8089	8096	8111	8108	----	----	8156	----	----	8059	97	----

FEBRUARY, 1919

30000 γ plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
8091	8093	8087	8094	8101	8080	8060	8078	8104	8093	1	10	8122	21	39	8055	67	1
8119	8107	8108	8088	8089	8097	8103	8089	8087	8113	11	03	8163	23	54	8080	83	2
8126	8110	8108	8102	8112	8120	8106	8107	8106	8121	11	00	8174	3	00	8088	86	3
8127	8129	8121	8112	8102	8110	8089	8099	8110	8122	9	42	8189	21	50	8087	102	4
8109	8109	8110	8101	8099	8094	8091	8102	8099	8114	10	54	8185	4	00	8087	98	5
8098	8099	8093	8096	8098	8097	8100	8101	8105	8116	9	57	8181	18	20	8091	90	6
8130	8124	8121	8113	8107	8106	8107	8110	8108	8135	11	42	8218	2	00	8101	117	7
8114	8116	8112	8110	8103	8098	8100	8097	8102	8125	11	24	8194	21	27	8095	99	8
8128	8121	8123	8121	8118	8111	8111	8109	8110	8133	11	24	8208	0	01	8102	106	9
8121	8115	8114	8115	8112	8107	8106	8109	8102	8126	12	00	8196	3	00	8098	98	10
8132	8125	8124	8120	8119	8115	8115	8117	8117	8130	11	36	8186	1	00	8100	86	11
8144	8140	8138	8130	8126	8125	8125	8124	8121	8139	12	06	8199	1	00	8112	87	12
8139	8131	8129	8123	8119	8106	8077	8077	8090	8141	10	18	8209	22	42	8067	142	13
8097	8088	8082	8078	8091	8082	8079	8081	8094	8095	10	15	8132	1	42	8076	56	14
8124	8117	8109	8104	8078	8091	8100	8102	8101	8112	10	00	8146	20	00	8078	68	15
8109	8094	8101	8102	8086	8106	8078	8077	8089	8103	11	12	8140	23	00	8077	63	16
8117	8121	8113	8109	8108	8109	8101	8101	8103	8118	11	00	8170	2	06	8086	84	17
8131	8127	8122	8118	8113	8103	8108	8106	8102	8123	11	30	8180	4	00	8095	85	18
8126	8122	8123	8119	8115	8109	8113	8110	8109	8129	11	00	8193	5	00	8099	94	19
8153	8142	8138	8135	8125	8108	8098	8095	8109	8135	11	48	8193	23	00	8095	98	20
8129	8103	8097	8094	8078	8032	8073	8063	8059	8121	10	09	8190	21	00	8032	158	21
8098	8100	8081	8076	8085	8069	8079	8077	8093	8094	10	20	8136	0	01	8059	77	22
8087	8080	8078	8051	8050	8048	8079	8054	8070	8087	12	20	8135	19	18	8044	91	23
8099	8096	8097	8096	8093	8085	8082	8083	8081	8090	12	00	8115	0	39	8065	50	24
8099	8097	8096	8095	8094	8092	8096	8095	8093	8097	12	00	8134	4	00	8078	56	25
8119	8119	8110	8101	8090	8090	8087	8093	8095	8105	12	00	8143	22	12	8085	58	26
8100	8103	8100	8085	8090	8098	8102	8101	8101	8104	11	21	8148	3	00	8085	63	27
8046	8051	8061	8059	8060	8062	8063	8067	8076	8088	9	39	8232	14	48	8006	226	28
8115	8110	8107	8102	8099	8095	8094	8094	8098	8115	----	----	8171	----	----	8079	92	----
8125	8120	8119	8115	8112	8109	8110	8111	8108	8125	----	----	8187	----	----	8098	89	----
8092	8087	8082	8080	8083	8065	8071	8073	8085	8098	----	----	8162	----	----	8045	117	----

HOURLY VALUES OF HORIZONTAL INTENSITY

MARCH, 1919

30000 γ plus tabular quantities

Day.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}	12^{h}	13^{h}	14^{h}	15^{h}
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 [b]	8070	8092	8078	8073	8078	8078	8083	8090	8100	8127	8152	8155	8124	8118	8104
2 [b]	8061	8067	8083	8074	8072	8075	8081	8099	8108	8117	8136	8145	8141	8129	8106
3	8072	8071	8074	8087	8069	8089	8079	8078	8092	8095	8112	8119	8109	8100	8088
4	8090	8076	8099	8088	8085	8090	8096	8115	8135	8146	8149	8156	8154	8134	8090
5	8090	8095	8093	8091	8092	8091	8096	8106	8123	8141	8150	8155	8144	8137	8123
6	8093	8096	8096	8093	8102	8101	8116	8127	8144	8165	8157	8166	8175	8165	8153
7	8105	8103	8097	8101	8088	8066	8064	8066	8084	8101	8135	8138	8130	8120	8105
8 [a]	8074	8080	8073	8093	8090	8088	8090	8104	8123	8149	8155	8153	8144	8125	8104
9 [a]	8083	8085	8091	8089	8088	8091	8099	8107	8134	8153	8157	8169	8154	8133	8123
10 [a]	8113	8103	8103	8103	8103	8107	8113	8125	8138	8164	8186	8194	8183	8165	8154
11	8101	8099	8099	8102	8105	8105	8108	8120	8141	8170	8183	8187	8180	8169	8139
12	8110	8125	8128	8122	8116	8137	8139	8153	8163	8172	8205	8189	8143	8130	8129
13	8077	8082	8088	8092	8095	8093	8101	8121	8143	8169	8187	8190	8168	8157	8143
14	8102	8099	8097	8079	8083	8080	8081	8087	8112	8143	8159	8149	8134	8124	8097
15	8034	8041	8044	8081	8107	8078	8092	8115	8145	8157	8152	8141	8125	8112	8103
16	8065	8067	8074	8072	8075	8094	8099	8105	8123	8138	8143	8147	8135	8095	8084
17	8043	8046	8051	8057	8058	8073	8080	8096	8118	8127	8120	8121	8088	8068	8065
18 [a]	8066	8073	8077	8080	8082	8085	8091	8103	8120	8140	8157	8156	8142	8134	8124
19	8096	8092	8089	8092	8092	8097	8100	8117	8142	8171	8197	8183	8165	8155	8145
20 [b]	8088	8070	8060	8072	8067	8062	8067	8068	8072	8110	8118	8076	8064	8042	8051
21 [b]	8024	8064	8072	8067	8068	8096	8054	8042	8092	8060	8079	8056	8032	8039	8061
22 [b]	8080	8062	8067	8067	8057	8057	8053	8048	8067	8077	8093	8103	8095	8097	8090
23	8041	8046	8049	8058	8050	8061	8056	8065	8085	8093	8103	8110	8102	8092	8056
24 [a]	8056	8053	8052	8054	8059	8059	8059	8076	8090	8107	8116	8113	8101	8087	8075
25	8060	8058	8058	8059	8060	8060	8058	8064	8084	8114	8129	8129	8115	8100	8088
26	8069	8066	8066	8071	8070	8072	8080	8097	8121	8127	8128	8119	8116	8113	8114
27	8075	8072	8074	8075	8079	8081	8086	8099	8136	8168	8185	8176	8166	8160	8148
28	8064	8073	8089	8065	8080	8085	8095	8095	8101	8124	8141	8154	8135	8070	8071
29	8065	8076	8070	8084	8080	8075	8085	8101	8116	8149	8142	8139	8129	8121	8114
30	8084	8075	8071	8076	8077	8075	8085	8080	8106	8123	8141	8137	8123	8113	8103
31	8065	8064	8053	8062	8067	8072	8086	8102	8112	8133	8147	8128	8120	8117	8090
Mean	8075	8076	8078	8080	8080	8083	8086	8096	8115	8133	8146	8144	8130	8117	8105
Mean [a]	8078	8079	8079	8084	8084	8086	8090	8103	8121	8143	8154	8157	8145	8129	8116
Mean [b]	8065	8071	8072	8071	8068	8074	8068	8069	8088	8098	8116	8107	8091	8085	8082

APRIL, 1919

30000 γ plus tabular quantities

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8075	8071	8067	8071	8076	8071	8079	8096	8125	8150	8171	8167	8156	8130	8119
2	8077	8081	8083	8080	8085	8087	8092	8113	8135	8164	8177	8169	8155	8140	8129
3 [a]	8074	8079	8080	8082	8083	8081	8088	8101	8123	8157	8173	8170	8153	8150	8136
4	8089	8093	8095	8099	8101	8102	8109	8127	8167	8203	8204	8202	8197	8150	8110
5 [a]	8064	8066	8068	8069	8071	8074	8079	8092	8109	8135	8149	8150	8132	8127	8122
6	8087	8086	8085	8094	8092	8090	8096	8107	8129	8152	8170	8170	8151	8139	8131
7 [b]	8083	8087	8088	8088	8096	8095	8095	8110	8110	8110	8117	8096	8079	8074	8055
8 [b]	8062	8066	8068	8078	8052	8040	8030	8048	8058	8087	8095	8109	8105	8092	8093
9	8061	8058	8065	8064	8066	8055	8063	8068	8086	8107	8118	8114	8109	8088	8087
10	8072	8073	8073	8068	8067	8065	8063	8063	8085	8100	8123	8111	8100	8098	8093
11	8080	8077	8077	8076	8075	8070	8085	8095	8115	8135	8139	8132	8124	8117	8107
12	8063	8076	8076	8071	8074	8078	8086	8089	8099	8113	8121	8111	8117	8110	8101
13	8042	8049	8052	8059	8066	8071	8084	8104	8116	8136	8143	8145	8134	8123	8115
14 [a]	8091	8085	8090	8086	8096	8095	8098	8109	8125	8151	8170	8170	8162	8155	8141
15	8094	8095	8096	8098	8095	8098	8105	8120	8140	8160	8174	8178	8170	8153	8139
16 [b]	8102	8105	8111	8106	8095	8094	8098	8100	8115	8132	8158	8169	8158	8155	8142
17 [b]	8050	8063	8063	8063	8059	8051	8050	8050	8053	8093	8114	8095	8088	8065	8067
18 [b]	8038	8041	8061	8057	8061	8052	8044	8036	8065	8076	8103	8079	8075	8071	8045
19	8064	8054	8062	8054	8066	8063	8061	8067	8088	8112	8091	8102	8097	8092	8085
20	8061	8059	8053	8070	8072	8082	8063	8075	8078	8097	8107	8102	8101	8107	8097
21	8078	8071	8064	8068	8082	8060	8058	8071	8087	8097	8112	8115	8099	8100	8087
22	8058	8054	8052	8062	8062	8060	8060	8062	8085	8111	8112	8107	8113	8103	8082
23	8059	8064	8066	8068	8061	8053	8053	8051	8059	8093	8121	8097	8104	8106	8098
24	8059	8058	8062	8063	8064	8071	8073	8082	8096	8109	8120	8125	8119	8112	8111
25	8066	8072	8076	8083	8087	8088	8100	8108	8117	8136	8156	8145	8149	8131	8127
26 [a]	8071	8075	8074	8077	8076	8076	8082	8087	8108	8128	8145	8145	8142	8140	8125
27	8074	8079	8080	8079	8079	8079	8083	8092	8122	8141	8152	8163	8157	8146	8135
28 [a]	8090	8089	8083	8079	8074	8069	8077	8099	8120	8149	8164	8166	8162	8150	8141
29	8078	8071	8067	8072	8078	8078	8077	8089	8107	8132	8146	8142	8128	8125	8110
30	8073	8069	8069	8065	8068	8069	8071	8088	8105	8133	8136	8141	8141	8135	8126
Mean	8071	8072	8074	8075	8076	8074	8077	8087	8104	8127	8139	8136	8129	8119	8109
Mean [a]	8078	8079	8079	8079	8080	8079	8085	8098	8117	8144	8160	8160	8150	8144	8133
Mean [b]	8067	8072	8078	8078	8073	8066	8063	8069	8080	8100	8117	8110	8101	8091	8080

[a] Five international quiet days.

[b] Five international disturbed days.

HOURLY VALUES OF HORIZONTAL INTENSITY

MARCH, 1919

30000 γ plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
8096	8098	8092	8064	8024	8036	8030	8055	8063	8087	11	18	8158	19	48	8022	136	1
8094	8101	8105	8101	8073	8084	8051	8057	8053	8092	12	24	8155	22	39	8041	114	2
8094	8091	8088	8086	8083	8096	8096	8110	8106	8091	12	09	8130	0	01	8053	77	3
8100	8100	8101	8098	8101	8119	8095	8117	8096	8110	10	38	8166	2	00	8076	90	4
8118	8115	8107	8095	8099	8094	8094	8082	8093	8109	11	20	8157	23	00	8082	75	5
8135	8126	8109	8114	8107	8106	8109	8104	8109	8124	13	00	8175	0	24	8092	83	6
8092	8094	8096	8088	8084	8083	8081	8079	8076	8095	11	18	8139	7	00	8064	75	7
8097	8088	8087	8083	8091	8093	8093	8088	8080	8102	11	27	8165	2	36	8071	94	8
8119	8114	8113	8111	8111	8112	8110	8110	8109	8115	12	18	8180	0	18	8079	101	9
8139	8134	8122	8121	8117	8111	8109	8108	8106	8130	12	00	8194	1	42	8102	92	10
8126	8115	8113	8113	8112	8111	8110	8109	8107	8126	11	24	8196	0	15	8098	98	11
8120	8119	8115	8109	8105	8101	8092	8088	8078	8129	10	45	8223	23	48	8076	147	12
8138	8135	8131	8125	8120	8122	8120	8110	8108	8126	12	00	8190	1	00	8077	113	13
8094	8081	8072	8052	8047	8031	8060	8042	8041	8089	10	33	8169	21	00	8031	138	14
8092	8088	8094	8088	8085	8083	8081	8077	8063	8095	10	12	8159	1	18	8033	126	15
8071	8065	8071	8063	8051	8034	8027	8019	8034	8081	11	27	8157	23	00	8019	138	16
8062	8057	8062	8049	8043	8049	8058	8062	8065	8072	10	00	8127	20	24	8041	86	17
8117	8117	8117	8113	8112	8109	8102	8101	8099	8109	11	18	8159	0	01	8065	94	18
8133	8127	8120	8110	8108	8107	8108	8107	8108	8123	11	06	8200	3	00	8089	111	19
8058	8055	8048	8063	8018	8023	8042	8057	8034	8062	10	39	8132	20	24	8000	132	20
8036	8037	8038	8017	8047	8039	8040	8041	8070	8053	6	00	8096	19	00	8017	79	21
8074	8071	8038	8016	8031	8061	8007	8040	8025	8062	12	00	8103	21	40	8005	98	22
8048	8027	8022	8046	8047	8040	8055	8050	8055	8061	11	36	8113	18	00	8022	91	23
8063	8063	8067	8074	8070	8068	8067	8065	8063	8073	11	21	8118	3	00	8052	66	24
8076	8055	8068	8074	8075	8069	8074	8068	8083	8078	11	18	8131	17	00	8055	76	25
8110	8106	8094	8093	8095	8093	8076	8075	8078	8094	11	00	8128	3	00	8066	62	26
8134	8126	8124	8123	8122	8115	8104	8106	8097	8118	11	12	8187	2	00	8072	115	27
8049	8055	8051	8041	8054	8074	8068	8068	8067	8082	12	06	8168	19	18	8031	137	28
8100	8077	8084	8082	8078	8079	8080	8081	8072	8095	10	00	8149	0	42	8063	86	29
8101	8093	8088	8085	8083	8067	8072	8076	8073	8092	11	24	8147	21	00	8067	80	30
8097	8098	8095	8072	8069	8070	8083	8061	8068	8089	11	03	8150	3	00	8053	97	31
8096	8091	8088	8083	8079	8080	8077	8078	8077	8096	---------		8155	---------		8055	100	-------
8107	8103	8101	8100	8100	8099	8096	8094	8091	8106	---------		8163	---------		8074	89	-------
8072	8072	8064	8052	8039	8049	8034	8050	8049	8071	---------		8129	---------		8017	112	-------

APRIL, 1919

30000 γ plus tabular quantities

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
8111	8105	8101	8085	8097	8097	8091	8087	8081	8103	11	09	8180	0	12	8065	115	1
8113	8106	8103	8099	8088	8079	8074	8077	8077	8108	11	00	8177	22	20	8073	104	2
8125	8110	8106	8100	8094	8091	8088	8091	8095	8110	10	42	8173	1	00	8074	99	3
8070	8039	8047	8061	8054	8059	8060	8061	8065	8107	10	42	8230	17	00	8039	191	4
8112	8102	8097	8095	8094	8089	8084	8086	8085	8098	11	12	8156	1	00	8064	92	5
8140	8100	8082	8065	8079	8070	8079	8079	8071	8106	11	36	8172	19	00	8065	107	6
8050	8053	8058	8060	8070	8078	8077	8076	8077	8083	9	24	8126	16	39	8041	85	7
8078	8046	8034	8049	8062	8065	8069	8067	8060	8067	12	09	8127	18	45	8020	107	8
8082	8077	8068	8061	8059	8061	8066	8074	8073	8076	11	20	8119	6	00	8055	64	9
8092	8079	8079	8073	8072	8068	8070	8072	8075	8081	11	00	8123	6	18	8060	63	10
8097	8082	8083	8081	8080	8082	8065	8060	8058	8091	10	42	8142	23	24	8056	86	11
8083	8085	8091	8097	8090	8066	8039	8026	8048	8048	11	00	8121	23	00	8026	95	12
8106	8103	8103	8103	8101	8100	8099	8098	8096	8098	11	15	8146	1	00	8042	104	13
8132	8127	8122	8115	8109	8103	8100	8095	8092	8117	11	36	8174	2	00	8085	89	14
8128	8130	8126	8118	8112	8106	8102	8103	8103	8123	12	00	8178	0	01	8092	86	15
8134	8127	8125	8122	8113	8108	8084	8051	8047	8115	12	03	8171	23	12	8042	129	16
8050	8014	7987	8003	8043	8049	8032	8028	8052	8053	10	42	8120	17	42	7957	163	17
8074	8074	8065	8060	8064	8069	8064	8062	8064	8062	11	15	8107	14	51	8027	80	18
8079	8078	8069	8068	8068	8061	8064	8063	8063	8074	10	00	8112	2	06	8052	60	19
8089	8083	8081	8079	8071	8069	8077	8073	8074	8080	10	56	8109	3	00	8053	56	20
8074	8060	8060	8037	8049	8067	8059	8054	8068	8074	11	27	8116	19	00	8037	79	21
8074	8072	8070	8069	8066	8067	8061	8056	8063	8074	11	12	8115	3	06	8051	64	22
8097	8075	8075	8072	8060	8062	8051	8053	8060	8073	10	54	8123	20	18	8049	74	23
8103	8103	8098	8092	8081	8071	8065	8061	8071	8086	11	30	8126	2	00	8058	68	24
8110	8096	8090	8082	8072	8071	8081	8072	8070	8099	11	00	8156	0	10	8064	92	25
8113	8105	8099	8090	8082	8078	8077	8078	8071	8098	10	58	8146	0	01	8070	76	26
8118	8111	8112	8109	8106	8102	8098	8098	8091	8109	12	00	8163	0	01	8071	92	27
8131	8116	8109	8102	8096	8091	8087	8079	8077	8108	10	33	8184	5	48	8067	117	28
8108	8108	8110	8101	8095	8086	8081	8071	8083	8098	11	24	8148	2	33	8065	83	29
8102	8101	8090	8085	8090	8083	8078	8078	8077	8095	11	42	8144	1	36	8063	81	30
8099	8089	8085	8081	8081	8078	8074	8071	8073	8092	---------		8146	---------		8053	93	-------
8123	8112	8107	8100	8095	8090	8087	8086	8084	8106	---------		8167	---------		8072	95	-------
8077	8063	8054	8059	8070	8074	8065	8057	8060	8076	---------		8130	---------		8017	113	-------

HOURLY VALUES OF HORIZONTAL INTENSITY

MAY, 1919

30000 γ plus tabular quantities

Day.	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h	15 h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8076	8075	8074	8077	8077	8077	8082	8097	8112	8134	8150	8150	8146	8134	8114
2 b	8073	8072	8075	8079	8079	8079	8112	8125	8128	8157	8145	8108	8061	8080	8060
3 b	8016	8035	8029	8025	8037	8042	8040	8077	8057	8006	8015	7981	7962	7966	7968
4	8009	8013	8016	8023	8024	8026	8036	8037	8054	8072	8091	8098	8097	8090	8077
5	8029	8039	8036	8035	8049	8040	8035	8034	8066	8075	8076	8068	8069	8046	8046
6	8033	8033	8040	8037	8030	8031	8032	8035	8056	8075	8087	8088	8095	8090	8078
7 a	8040	8046	8051	8043	8042	8046	8047	8063	8086	8109	8123	8116	8115	8101	8075
8 a	8056	8056	8057	8055	8060	8063	8069	8086	8108	8133	8142	8146	8137	8122	8106
9	8061	8064	8064	8068	8068	8067	8078	8084	8098	8114	8129	8126	8122	8115	8104
10	8079	8082	8083	8080	8081	8082	8089	8096	8123	8139	8141	8135	8142	8105	8083
11 a	8061	8065	8070	8069	8067	8073	8079	8086	8099	8104	8118	8123	8124	8120	8105
12	8074	8075	8079	8082	8081	8092	8101	8114	8128	8153	8162	8165	8156	8143	8126
13 b	8063	8069	8069	8068	8069	8075	8081	8095	8098	8109	8100	8104	8054	8035	8031
14	8047	8048	8036	8043	8031	8030	8028	8032	8052	8064	8085	8102	8092	8097	8084
15	8049	8075	8056	8045	8053	8041	8042	8067	8072	8089	8111	8112	8092	8094	8072
16	8054	8055	8058	8056	8055	8059	8060	8073	8101	8118	8122	8112	8092	8081	8069
17	8063	8065	8064	8061	8059	8064	8073	8097	8108	8121	8131	8133	8137	8122	8107
18	8040	8041	8038	8086	8049	8036	8034	8049	8055	8082	8087	8084	8076	8056	8039
19	8049	8046	8044	8048	8047	8055	8062	8078	8093	8108	8114	8119	8118	8114	8094
20	8045	8050	8054	8054	8052	8057	8068	8074	8089	8097	8108	8103	8066	8077	8076
21 b	8042	8041	8043	8055	8057	8063	8067	8082	8097	8113	8119	8117	8106	8094	8117
22	8061	8070	8073	8056	8060	8070	8064	8062	8094	8181	8146	8142	8120	8093	8075
23	8056	8057	8054	8069	8070	8052	8032	8036	8024	8049	8064	8076	8081	8076	8063
24 b	8038	8038	8043	8043	8045	8045	8048	8056	8068	8079	8102	8130	8090	8084	8057
25	8017	8034	8040	8034	8041	8039	8045	8041	8053	8060	8079	8084	8072	8068	8060
26	8071	8064	8070	8070	8074	8074	8086	8094	8097	8104	8111	8110	8102	8100	8102
27	8011	8022	8022	8021	8036	8035	8043	8056	8060	8071	8086	8083	8052	8052	8051
28 a	8039	8043	8045	8047	8047	8051	8052	8057	8065	8076	8086	8093	8095	8091	8083
29 a	8062	8066	8067	8065	8064	8067	8075	8081	8091	8104	8113	8113	8103	8110	8102
30	8075	8072	8070	8071	8073	8081	8091	8102	8112	8123	8135	8137	8137	8127	8115
31	8090	8088	8086	8086	8087	8089	8087	8091	8100	8125	8142	8151	8129	8120	8107
Mean	8051	8055	8055	8056	8057	8058	8063	8073	8085	8101	8110	8110	8098	8090	8079
Mean a	8052	8055	8058	8056	8056	8060	8064	8075	8090	8105	8116	8118	8115	8109	8094
Mean b	8046	8051	8052	8054	8057	8061	8070	8087	8090	8093	8096	8088	8055	8052	8047

JUNE, 1919

30000 γ plus tabular quantities

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8089	8088	8087	8085	8083	8085	8095	8096	8106	8121	8131	8134	8129	8125	8121
2	8095	8098	8095	8095	8094	8100	8116	8129	8139	8156	8162	8154	8141	8129	8117
3	8096	8097	8100	8099	8096	8095	8081	8087	8099	8125	8136	8139	8135	8127	8118
4	8092	8089	8090	8099	8098	8104	8112	8122	8128	8151	8160	8162	8151	8143	8129
5	8099	8099	8100	8099	8103	8100	8109	8117	8128	8157	8178	8182	8167	8151	8129
6	8109	8113	8102	8100	8096	8105	8111	8119	8134	8144	8153	8147	8151	8141	8136
7 a	8093	8096	8099	8099	8103	8101	8107	8108	8125	8135	8147	8140	8132	8120	8107
8 a	8090	8092	8093	8093	8094	8102	8109	8117	8134	8147	8156	8160	8159	8146	8128
9 b	8095	8098	8102	8100	8107	8107	8116	8130	8146	8164	8182	8192	8163	8150	8112
10 b	8060	8055	8057	8057	8061	8078	8093	8081	8090	8097	8094	8081	8099	8094	8081
11 b	8046	8052	8056	8058	8064	8052	8055	8065	8076	8094	8095	8096	8097	8084	8077
12	8052	8061	8054	8057	8050	8061	8049	8048	8057	8062	8069	8079	8084	8074	8063
13	8049	8054	8061	8061	8061	8060	8068	8076	8089	8098	8108	8105	8101	8099	8085
14	8055	8058	8055	8058	8054	8054	8061	8077	8083	8099	8120	8117	8117	8119	8108
15	8068	8071	8073	8072	8072	8074	8098	8108	8114	8122	8120	8116	8117	8111	8098
16	8080	8079	8079	8082	8080	8078	8084	8079	8097	8111	8124	8117	8111	8102	8086
17	8064	8066	8066	8067	8066	8068	8077	8084	8090	8105	8111	8119	8123	8108	8108
18	8060	8061	8063	8064	8070	8071	8074	8078	8093	8122	8116	8129	8120	8123	8110
19 a	8075	8077	8080	8081	8080	8074	8077	8083	8098	8113	8121	8122	8120	8118	8105
20 a	8076	8081	8079	8078	8075	8081	8090	8097	8105	8122	8136	8140	8140	8131	8116
21	8079	8081	8081	8083	8086	8087	8097	8103	8118	8140	8157	8192	8149	8143	8138
22	8078	8073	8065	8062	8060	8065	8075	8084	8094	8119	8133	8137	8132	8124	8112
23 b	8072	8072	8077	8074	8066	8062	8081	8086	8087	8106	8090	8096	8100	8101	8094
24	8043	8036	8038	8046	8051	8058	8063	8077	8085	8088	8091	8101	8086	8071	8065
25	8051	8067	8065	8068	8068	8075	8090	8107	8119	8134	8142	8152	8138	8128	8115
26 b	8094	8098	8090	8099	8108	8102	8080	8085	8053	8069	8079	8112	8118	8094	8084
27	8056	8057	8056	8057	8058	8069	8076	8087	8101	8127	8139	8147	8141	8123	8102
28	8076	8077	8079	8077	8077	8091	8099	8116	8132	8160	8168	8181	8178	8145	8116
29	8083	8082	8082	8076	8075	8085	8096	8102	8119	8136	8153	8141	8124	8112	8110
30 a	8056	8061	8063	8064	8066	8076	8088	8099	8107	8124	8126	8123	8118	8114	8101
Mean	8074	8076	8076	8077	8077	8081	8088	8095	8105	8122	8130	8134	8128	8118	8106
Mean a	8078	8081	8083	8083	8084	8087	8094	8101	8114	8128	8137	8137	8134	8126	8111
Mean b	8073	8075	8076	8078	8081	8080	8085	8089	8090	8106	8108	8115	8115	8105	8090

a Five international quiet days.

b Five international disturbed days.

HOURLY VALUES OF HORIZONTAL INTENSITY

MAY, 1919

30000 γ plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
8103	8097	8096	8088	8084	8087	8077	8072	8073	8098	11	33	8154	23	00	8072	82	1
8067	8077	8062	8063	8055	8063	8047	8078	8019	8082	10	06	8161	24	00	8019	142	2
7951	7905	7923	7985	7973	7996	7987	7988	8026	8000	8	17	8087	17	00	7905	182	3
8070	8054	8052	8054	8048	8049	8042	8038	8035	8050	11	00	8091	1	00	8009	82	4
8034	8016	8020	801[illegible]	8013	8017	8019	8036	8032	8039	11	00	8076	19	00	8010	66	5
8065	8055	8046	8041	8046	8044	8054	8043	8038	8053	11	15	8097	5	00	8030	67	6
8065	8056	8059	8064	8061	8061	8068	8064	8061	8069	11	00	8123	0	15	8038	85	7
8088	8082	8085	8084	8081	8072	8066	8064	8062	8087	12	00	8146	4	00	8055	91	8
8088	8084	8082	8081	8096	8093	8085	8082	8079	8089	11	00	8129	1	00	8061	68	9
8066	8061	8054	8043	8041	8056	8057	8061	8056	8085	11	14	8146	19	40	8040	106	10
8093	8085	8085	8083	8079	8080	8076	8073	8073	8087	11	54	8125	0	02	8055	70	11
8120	8111	8114	8107	8103	8073	8070	8059	8065	8106	12	04	8166	22	50	8058	108	12
8032	8045	8047	8049	8049	8049	8073	8046	8037	8064	10	34	8113	15	10	8026	87	13
8079	8066	8052	8042	8050	8043	8051	8049	8048	8056	12	12	8106	7	00	8028	78	14
8068	8067	8068	8063	8060	8057	8061	8053	8050	8067	11	50	8113	6	00	8041	72	15
8065	8068	8071	8071	8069	8068	8067	8068	8070	8074	10	10	8124	0	01	8050	74	16
8091	8077	8074	8074	8073	8066	8052	8042	8040	8083	12	38	8140	23	28	8037	103	17
8043	8023	8012	8018	8024	8031	8043	8048	8053	8048	10	32	8089	17	52	8010	79	18
8074	8067	8063	8060	8057	8057	8063	8059	8053	8073	11	20	8121	3	00	8044	77	19
8072	8068	8060	8054	8052	8054	8045	8050	8042	8065	11	28	8110	24	00	8042	68	20
8097	8089	8082	8071	8056	8054	8057	8051	8026	8075	14	36	8134	24	00	8026	108	21
8074	8060	8062	8061	8061	8057	8062	8060	8060	8080	11	19	8184	0	16	8027	157	22
8048	8042	8049	8051	8050	8041	8037	8040	8041	8052	12	36	8082	9	00	8024	58	23
8034	8010	8002	8011	7992	8026	8004	8001	7999	8044	12	00	8130	20	28	7984	146	24
8055	8070	8070	8071	8054	8054	8058	8054	8054	8054	11	45	8086	0	04	7997	89	25
8084	8058	8045	8037	8002	8011	7996	7999	8020	8066	11	22	8113	22	44	7986	127	26
8057	8061	8055	8043	8041	8037	8039	8038	8040	8046	11	32	8089	1	13	8006	83	27
8079	8070	8061	8062	8062	8062	8061	8061	8062	8065	13	00	8095	1	00	8039	56	28
8095	8085	8077	8074	8075	8073	8074	8074	8073	8083	11	15	8114	0	35	8058	56	29
8102	8097	8099	8100	8100	8091	8090	8086	8086	8099	11	23	8138	3	00	8070	68	30
8098	8088	8085	8084	8086	8085	8088	8088	8087	8099	11	39	8154	19	00	8084	70	31
8070	8061	8058	8058	8055	8055	8054	8052	8050	8069	--------		8120	--------		8030	90	-------
8084	8076	8073	8073	8072	8070	8069	8067	8066	8078	--------		8121	--------		8049	72	-------
8036	8025	8023	8036	8025	8038	8034	8033	8021	8053	--------		8125	--------		7992	133	-------

JUNE, 1919

30000 γ plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
8117	8103	8101	8108	8105	8101	8104	8094	8095	8104	11	09	8135	0	57	8081	54	1
8101	8097	8094	8107	8112	8105	8101	8098	8099	8114	10	45	8171	4	48	8093	78	2
8097	8094	8091	8093	8094	8091	8094	8094	8092	8103	11	17	8144	7	21	8080	64	3
8113	8097	8100	8104	8108	8108	8102	8103	8115	8116	10	27	8168	0	51	8084	84	4
8110	8098	8095	8096	8096	8100	8103	8106	8110	8118	11	26	8183	17	41	8093	90	5
8116	8117	8118	8119	8117	8103	8096	8092	8094	8118	10	38	8164	23	00	8092	72	6
8098	8094	8091	8096	8097	8096	8096	8092	8091	8107	11	00	8147	17	41	8090	57	7
8110	8101	8099	8095	8097	8095	8093	8091	8094	8112	11	36	8161	1	00	8090	71	8
8090	8064	8070	8075	8075	8064	8055	8060	8047	8107	12	00	8192	24	00	8047	145	9
8065	8041	8046	8057	8056	8051	8054	8037	8054	8068	10	20	8107	22	55	8035	72	10
8070	8064	8044	8051	8044	8048	8064	8057	8052	8065	12	09	8099	19	32	8043	56	11
8062	8059	8056	8053	8047	8044	8045	8044	8044	8057	13	00	8084	20	27	8039	45	12
8069	8064	8054	8054	8061	8058	8070	8060	8060	8072	11	15	8109	0	10	8044	65	13
8091	8084	8079	8076	8070	8071	8069	8066	8068	8080	11	10	8121	3	12	8053	68	14
8079	8082	8072	8071	8073	8079	8082	8081	8082	8089	10	25	8126	0	35	8067	59	15
8080	8078	8077	8076	8075	8071	8067	8067	8064	8085	11	16	8126	23	40	8063	63	16
8086	8061	8050	8058	8060	8063	8059	8056	8058	8078	12	12	8126	17	44	8049	77	17
8095	8082	8077	8075	8077	8075	8074	8075	8075	8086	12	00	8129	0	33	8058	71	18
8089	8083	8081	8082	8079	8077	8078	8076	8078	8089	11	31	8124	6	00	8074	50	19
8097	8089	8081	8081	8080	8081	8081	8080	8081	8096	12	10	8141	5	00	8075	66	20
8125	8111	8100	8097	8093	8089	8083	8082	8079	8108	12	00	8192	23	09	8078	114	21
8105	8092	8087	8087	8088	8087	8088	8087	8080	8092	11	10	8141	5	00	8060	81	22
8074	8060	8059	8054	8052	8060	8063	8063	8054	8075	10	00	8106	20	00	8052	54	23
8066	8059	8044	8038	8033	8036	8037	8048	8050	8059	11	36	8108	20	00	8033	75	24
8102	8091	8085	8090	8087	8087	8088	8087	8089	8097	12	00	8152	1	00	8051	101	25
8072	8064	8061	8056	8049	8055	8053	8054	8058	8079	12	18	8127	20	00	8049	78	26
8087	8082	8072	8069	8069	8069	8074	8080	8074	8086	11	42	8148	0	47	8055	93	27
8103	8109	8100	8103	8106	8102	8102	8090	8083	8111	11	54	8183	0	10	8074	109	28
8094	8083	8077	8073	8066	8066	8052	8053	8055	8091	11	00	8153	22	15	8050	103	29
8090	8087	8083	8086	8082	8085	8085	8087	8086	8090	10	32	8127	1	00	8056	71	30
8092	8083	8078	8079	8078	8077	8077	8075	8075	8092	--------		8140	--------		8064	76	-------
8097	8091	8087	8088	8087	8087	8087	8085	8086	8099	--------		8140	--------		8077	63	-------
8074	8059	8056	8059	8055	8056	8058	8054	8053	8079	--------		8126	--------		8045	81	-------

HOURLY VALUES OF HORIZONTAL INTENSITY

JULY, 1919

30000 γ plus tabular quantities

Day.	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h	15 h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8086	8086	8086	8084	8084	8088	8096	8103	8119	8138	8146	8151	8137	8132	8116
2	8100	8107	8112	8106	8094	8131	8142	8168	8169	8171	8179	8169	8175	8159	8132
3	8091	8089	8087	8085	8088	8088	8087	8091	8107	8124	8151	8152	8138	8128	8124
4	8061	8066	8065	8067	8066	8068	8079	8079	8093	8098	8105	8106	8098	8105	8107
5 [a]	8067	8075	8073	8073	8073	8076	8083	8090	8105	8114	8118	8119	8113	8103	8097
6 [a]	8073	8073	8074	8072	8072	8078	8085	8093	8107	8119	8126	8127	8123	8119	8107
7	8080	8080	8082	8083	8085	8084	8084	8098	8106	8118	8127	8124	8122	8125	8119
8 [b]	8081	8075	8077	8059	8074	8077	8080	8086	8091	8119	8104	8080	8087	8088	8083
9	8075	8069	8071	8068	8069	8066	8073	8076	8067	8083	8094	8113	8109	8110	8098
10	8066	8064	8064	8065	8065	8065	8082	8091	8109	8129	8147	8143	8143	8136	8109
11	8068	8066	8068	8073	8073	8081	8090	8098	8120	8129	8131	8134	8129	8125	8116
12	8071	8073	8071	8080	8080	8086	8098	8098	8110	8126	8134	8127	8125	8117	8108
13	8079	8078	8081	8077	8074	8077	8091	8099	8115	8122	8119	8136	8117	8110	8103
14	8067	8071	8070	8074	8074	8079	8086	8097	8117	8138	8152	8132	8128	8119	8110
15 [a]	8067	8067	8066	8067	8069	8070	8076	8079	8091	8108	8119	8120	8125	8115	8108
16 [a]	8084	8083	8085	8084	8083	8089	8100	8106	8118	8135	8147	8146	8145	8145	8129
17 [b]	8081	8080	8079	8081	8081	8084	8093	8104	8118	8129	8141	8137	8144	8139	8119
18 [b]	8031	8026	8035	8023	8028	8059	8060	8062	8072	8076	8095	8084	8078	8066	8059
19	8049	8052	8053	8052	8052	8052	8056	8063	8073	8084	8100	8101	8104	8101	8088
20	8060	8059	8059	8057	8061	8059	8059	8058	8054	8066	8078	8091	8088	8086	8084
21	8063	8063	8061	8057	8058	8069	8078	8084	8094	8109	8113	8113	8113	8101	8095
22 [b]	8066	8068	8070	8072	8072	8075	8085	8081	8095	8118	8135	8139	8136	8121	8105
23 [b]	8062	8052	8087	8061	8075	8077	8091	8088	8103	8083	8084	8093	8046	8036	8047
24	8034	8031	8035	8041	8046	8048	8053	8066	8075	8093	8090	8099	8104	8086	8081
25	8049	8050	8050	8053	8055	8059	8058	8062	8065	8073	8080	8087	8087	8090	8075
26	8063	8065	8060	8063	8062	8071	8071	8072	8077	8078	8087	8097	8095	8094	8090
27	8072	8073	8071	8070	8073	8079	8088	8094	8105	8117	8120	8122	8109	8099	8076
28 [a]	8071	8071	8076	8070	8075	8076	8085	8093	8106	8119	8124	8134	8124	8107	8102
29	8061	8064	8065	8068	8067	8079	8088	8098	8112	8113	8123	8119	8117	8111	8104
30	8061	8063	8067	8066	8072	8081	8095	8113	8121	8123	8122	8123	8121	8121	8118
31	8064	8068	8070	8071	8080	8089	8099	8116	8132	8141	8143	8137	8125	8107	8087
Mean	8068	8068	8070	8068	8070	8076	8084	8091	8101	8113	8120	8121	8116	8110	8100
Mean [a]	8072	8074	8075	8073	8074	8078	8086	8092	8105	8119	8127	8129	8126	8118	8109
Mean [b]	8064	8060	8070	8059	8066	8074	8082	8084	8096	8105	8112	8107	8098	8090	8083

AUGUST, 1919

30000 γ plus tabular quantities

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8073	8075	8074	8075	8078	8083	8082	8082	8100	8113	8116	8118	8113	8107	8090
2	8072	8062	8064	8068	8071	8077	8096	8095	8115	8122	8136	8121	8103	8099	8105
3	8075	8078	8077	8078	8079	8083	8084	8082	8091	8109	8102	8092	8092	8078	8065
4	8055	8056	8056	8057	8064	8062	8067	8071	8085	8103	8109	8112	8116	8107	8105
5	8065	8066	8064	8062	8064	8063	8065	8071	8086	8097	8105	8107	8111	8101	8087
6 [a]	8047	8053	8052	8059	8058	8063	8060	8059	8054	8080	8091	8103	8103	8092	8074
7	8065	8064	8075	8074	8072	8076	8086	8090	8097	8116	8130	8133	8127	8120	8105
8	8059	8060	8072	8066	8064	8063	8067	8072	8087	8109	8114	8117	8109	8108	8101
9 [a]	8048	8055	8055	8056	8062	8073	8082	8092	8101	8104	8108	8111	8109	8103	8099
10	8063	8064	8063	8065	8064	8070	8081	8094	8103	8113	8119	8122	8129	8117	8112
11 [b]	8091	8092	8097	8085	8088	8094	8095	8098	8107	8117	8124	8119	8100	8069	8175
12 [b]	7865	7909	7920	7917	7944	7955	8004	8150	7983	8051	8055	8065	8043	8022	8055
13 [a]	7978	7987	7960	7960	7963	7964	7965	7976	8012	8029	8034	8028	8017	8011	8002
14 [a]	7998	7998	7999	7998	7999	8000	8007	8012	8018	8035	8051	8074	8051	8041	8032
15	8030	8028	8029	8031	8029	8031	8044	8061	8068	8095	8105	8100	8092	8085	8073
16	8049	8050	8046	8046	8038	8037	8044	8037	8047	8064	8073	8078	8078	8077	8068
17	8042	8043	8038	8043	8050	8050	8055	8057	8064	8075	8079	8084	8089	8088	8081
18	8060	8062	8058	8063	8055	8056	8055	8056	8073	8086	8097	8108	8118	8114	8101
19 [b]	8067	8084	8089	8097	8093	8097	8087	8083	8099	8098	8114	8085	8058	8036	8033
20 [b]	8029	8030	8036	8046	8053	8057	8062	8065	8066	8078	8096	8081	8090	8094	8081
21	8058	8065	8059	8067	8064	8063	8068	8074	8088	8093	8110	8114	8109	8110	8107
22	8072	8071	8073	8075	8076	8086	8094	8098	8108	8117	8125	8131	8118	8106	8100
23	8076	8081	8082	8082	8081	8085	8089	8093	8100	8100	8109	8117	8119	8121	8108
24	8064	8075	8081	8082	8081	8088	8099	8109	8112	8122	8121	8122	8126	8133	8112
25	8095	8103	8105	8103	8100	8106	8105	8120	8127	8139	8144	8141	8137	8129	8123
26	8104	8103	8094	8090	8082	8079	8104	8114	8133	8139	8139	8130	8121	8111	8082
27	8044	8037	8048	8061	8069	8079	8097	8109	8122	8134	8128	8113	8097	8086	8071
28 [b]	8072	8078	8079	8084	8085	8090	8091	8095	8105	8109	8110	8110	8115	8117	8108
29	8084	8083	8089	8098	8104	8101	8104	8128	8126	8132	8138	8140	8124	8116	8114
30	8089	8092	8095	8098	8099	8100	8102	8107	8116	8144	8159	8139	8130	8126	8125
31 [a]	8093	8088	8094	8093	8097	8095	8100	8108	8116	8130	8132	8134	8135	8125	8112
Mean	8054	8058	8059	8061	8062	8065	8072	8083	8087	8102	8109	8108	8103	8095	8091
Mean [a]	8033	8036	8032	8033	8036	8039	8043	8049	8060	8076	8083	8090	8083	8074	8064
Mean [b]	8025	8039	8044	8046	8053	8059	8068	8098	8072	8091	8100	8092	8081	8068	8090

[a] Five international quiet days.

[b] Five international disturbed days.

HOURLY VALUES OF HORIZONTAL INTENSITY

JULY, 1919

30000 γ plus tabular quantities

16ʰ	17ʰ	18ʰ	19ʰ	20ʰ	21ʰ	22ʰ	23ʰ	24ʰ	Mean.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
8107	8098	8096	8094	8100	8099	8104	8101	8100	8106	11	24	8153	3	45	8082	71	1
8114	8100	8092	8097	8088	8087	8087	8092	8091	8123	10	54	8180	21	48	8085	95	2
8104	8091	8062	8037	8048	8058	8056	8060	8062	8092	11	06	8153	19	09	8035	118	3
8102	8090	8075	8078	8077	8071	8072	8069	8071	8082	11	33	8109	1	00	8061	48	4
8089	8083	8077	8072	8071	8071	8071	8070	8073	8086	11	33	8121	1	00	8067	54	5
8095	8088	8082	8083	8081	8083	8081	8080	8081	8092	11	24	8129	5	45	8071	58	6
8098	8089	8081	8084	8088	8089	8087	8083	8087	8096	11	00	8127	0	24	8079	48	7
8089	8073	8070	8065	8064	8065	8068	8064	8066	8079	10	00	8119	4	00	8059	60	8
8083	8075	8061	8059	8058	8063	8061	8066	8065	8076	12	00	8113	17	15	8056	57	9
8091	8088	8086	8082	8078	8074	8069	8065	8069	8091	11	10	8149	2	06	8063	86	10
8103	8092	8079	8080	8083	8081	8078	8070	8077	8094	10	18	8150	1	09	8064	86	11
8094	8087	8086	8088	8085	8085	8084	8087	8083	8095	10	45	8136	0	30	8070	66	12
8100	8103	8096	8086	8083	8086	8069	8072	8068	8093	12	00	8136	22	06	8066	70	13
8091	8083	8074	8079	8062	8062	8062	8063	8065	8090	11	00	8152	20	27	8060	92	14
8107	8102	8097	8096	8094	8091	8087	8086	8085	8091	12	42	8127	0	01	8065	62	15
8118	8105	8096	8095	8092	8088	8084	8081	8084	8105	10	36	8148	22	20	8080	68	16
8117	8103	8099	8095	8088	8086	8075	8059	8059	8100	13	24	8145	23	24	8056	89	17
8064	8057	8041	8039	8036	8044	8043	8044	8047	8053	11	00	8095	1	42	8020	75	18
8092	8065	8064	8067	8068	8066	8064	8063	8062	8070	13	00	8104	0	01	8047	57	19
8086	8082	8075	8073	8072	8070	8067	8067	8066	8070	12	00	8091	4	00	8057	34	20
8095	8090	8085	8082	8083	8079	8076	8071	8069	8083	11	54	8115	2	27	8056	59	21
8098	8078	8064	8053	8050	8062	8057	8064	8066	8085	12	00	8139	19	36	8044	95	22
8057	8049	8040	8028	8013	8014	8016	8030	8042	8057	9	12	8112	19	33	8010	102	23
8068	8048	8043	8049	8040	8053	8055	8059	8055	8060	13	06	8107	1	18	8028	79	24
8066	8069	8066	8070	8068	8066	8062	8063	8064	8066	12	39	8089	1	00	8049	40	25
8085	8078	8074	8070	8067	8071	8073	8074	8075	8076	12	00	8097	3	00	8060	37	26
8073	8065	8061	8065	8070	8073	8070	8070	8069	8083	12	00	8122	17	42	8058	64	27
8091	8076	8074	8070	8069	8070	8070	8067	8065	8087	11	45	8136	24	00	8065	71	28
8094	8078	8056	8045	8046	8054	8059	8063	8064	8081	11	00	8123	19	00	8045	78	29
8093	8080	8072	8066	8063	8062	8060	8055	8063	8087	10	06	8125	22	15	8054	71	30
8080	8080	8073	8071	8072	8075	8078	8075	8075	8092	11	09	8145	0	01	8064	81	31
8092	8082	8074	8072	8070	8071	8069	8069	8070	8085	---------		8127	---------		8057	70	------
8100	8091	8085	8083	8081	8081	8079	8077	8078	8092	---------		8132	---------		8069	63	------
8085	8072	8063	8056	8050	8054	8052	8052	8056	8075	---------		8122	---------		8038	84	------

AUGUST, 1919

30000 γ plus tabular quantities

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
8079	8068	8068	8064	8047	8069	8076	8072	8069	8083	11	20	8120	19	55	8046	74	1
8106	8105	8092	8092	8082	8079	8075	8072	8075	8091	11	00	8136	2	05	8061	75	2
8070	8067	8065	8067	8064	8063	8054	8059	8065	8077	12	25	8107	22	00	8054	53	3
8103	8095	8083	8070	8074	8072	8070	8070	8066	8080	13	00	8116	1	00	8055	61	4
8083	8075	8064	8040	8031	8031	8051	8039	8050	8070	12	39	8113	20	44	8024	89	5
8070	8069	8069	8069	8069	8064	8063	8065	8069	8069	12	45	8104	1	00	8047	57	6
8091	8071	8063	8056	8041	8051	8061	8064	8062	8083	11	48	8135	20	00	8041	94	7
8087	8075	8059	8053	8045	8048	8046	8047	8048	8074	12	00	8117	20	33	8042	75	8
8088	8078	8076	8066	8064	8065	8062	8060	8063	8078	12	00	8111	0	30	8046	65	9
8103	8098	8092	8089	8090	8089	8087	8090	8091	8092	13	00	8129	1	50	8062	67	10
8101	7852	-------	-------	7771	7808	7870	7771	7918	8029	-------		-------	-------		-------	------	11
8052	7982	7972	7968	7959	7962	7963	7967	8042	7992	8	00	8150	0	40	7812	338	12
7994	7990	7989	7988	7990	7991	7993	7994	7998	7992	11	00	8034	2	54	7956	78	13
8029	8030	8030	8028	8027	8030	8027	8028	8028	8024	11	55	8075	0	15	7997	78	14
8062	8054	8051	8046	8046	8045	8047	8048	8047	8056	11	00	8105	2	00	8028	77	15
8060	8052	8050	8045	8047	8048	8045	8046	8044	8053	12	05	8079	5	50	8036	43	16
8066	8059	8067	8067	8067	8062	8058	8059	8062	8063	12	50	8097	3	00	8038	59	17
8073	8077	8074	8070	8062	8065	8061	8062	8064	8074	13	00	8118	7	15	8054	64	18
8019	8010	7984	8036	8003	8007	8024	8030	8029	8057	10	50	8118	17	57	7983	135	19
8068	8051	8050	8052	8057	8060	8064	8067	8064	8062	11	10	8098	0	05	8025	73	20
8089	8086	8079	8077	8076	8075	8077	8072	8072	8081	11	20	8118	1	00	8058	60	21
8094	8087	8080	8081	8079	8074	8075	8069	8072	8090	12	00	8131	23	00	8069	62	22
8096	8084	8076	8073	8063	8059	8057	8058	8051	8086	14	00	8121	23	30	8048	73	23
8115	8116	8111	8105	8104	8103	8101	8104	8104	8104	13	28	8140	03	01	8051	89	24
8117	8116	8117	8111	8110	8109	8108	81[illegible]3	8107	8116	12	42	8146	1	00	8095	51	25
8076	8073	8065	8049	8029	8001	8017	8040	8052	8084	10	36	8143	21	16	7994	149	26
8069	8067	8059	8058	8054	8065	8066	8062	8066	8078	10	40	8137	2	10	8036	101	27
8109	8094	8084	8083	8087	8121	8079	8069	8087	8094	21	00	8121	0	01	8066	55	28
8102	8089	8073	8084	8090	8084	8088	8086	8090	8103	11	13	8146	17	56	8072	74	29
8127	8130	8115	8114	8108	8110	8098	8096	8093	8113	10	57	8161	1	00	8089	72	30
8102	8103	8098	8098	8095	8092	8091	8092	8100	8105	12	37	8140	2	00	8088	52	31
8081	8065	8065	8063	8049	8052	8053	8050	8060	8073	---------		8119	---------		8036	83	------
8057	8054	8052	8050	8049	8048	8047	8048	8052	8054	---------		8093	---------		8027	66	------
8070	7998	8022	8035	7975	7992	8000	7981	8028	8047	---------		8122	---------		7972	150	------

HOURLY VALUES OF HORIZONTAL INTENSITY

SEPTEMBER, 1919

30000 γ plus tabular quantities

Day.	1^{h}	2^{h}	3^{h}	4^{h}	5^{h}	6^{h}	7^{h}	8^{h}	9^{h}	10^{h}	11^{h}	12^{h}	13^{h}	14^{h}	15^{h}
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 [a]	8101	8102	8101	8101	8100	8104	8107	8118	8137	8155	8163	8155	8149	8141	8133
2 [b]	8101	8098	8101	8105	8109	8116	8120	8134	8155	8165	8174	8168	8161	8149	8139
3	8110	8090	8077	8089	8096	8097	8076	8069	8082	8114	8146	8128	8104	8107	8097
4	8070	8067	8066	8071	8078	8082	8088	8093	8116	8133	8127	8127	8126	8131	8120
5 [a]	8076	8075	8076	8076	8081	8095	8102	8115	8132	8155	8158	8155	8154	8151	8139
6 [b]	8096	8093	8095	8096	8097	8101	8103	8117	8122	8127	8143	8126	8114	8094	8083
7	8045	8068	8073	8085	8077	8076	8102	8082	8122	8144	8163	8148	8131	8132	8128
8	8087	8089	8101	8100	8099	8100	8099	8105	8116	8128	8132	8143	8147	8148	8139
9	8110	8109	8123	8112	8108	8111	8104	8102	8111	8125	8139	8141	8137	8136	8131
10	8104	8087	8076	8077	8074	8093	8104	8110	8135	8161	8161	8157	8139	8125	8122
11	8103	8109	8113	8116	8106	8100	8110	8125	8147	8159	8180	8181	8174	8165	8146
12 [a]	8112	8113	8114	8114	8118	8118	8133	8139	8160	8186	8199	8199	8190	8171	8153
13	8127	8134	8136	8134	8136	8133	8135	8142	8157	8182	8192	8202	8195	8185	8180
14	8119	8149	8113	8107	8110	8100	8109	8122	8147	8168	8185	8176	8175	8161	8138
15	8110	8105	8100	8106	8115	8115	8117	8124	8137	8152	8164	8164	8167	8159	8140
16	8105	8103	8133	8119	8121	8127	8137	8149	8159	8155	8144	8143	8132	8125	8115
17	8121	8123	8130	8124	8124	8117	8119	8130	8152	8167	8192	8200	8195	8184	8161
18	8129	8131	8139	8133	8136	8132	8135	8144	8175	8193	8195	8213	8191	8165	8160
19 [b]	8133	8134	8137	8142	8146	8138	8154	8163	8171	8174	8170	8177	8153	8147	8112
20 [b]	8041	8047	8105	8092	8072	8088	8067	8076	8084	8110	8107	8109	8095	8077	8067
21	8063	8071	8077	8079	8083	8088	8079	8086	8106	8119	8126	8132	8130	8118	8088
22	8097	8102	8103	8103	8105	8114	8113	8115	8127	8144	8160	8168	8164	8149	8138
23	8119	8128	8127	8132	8127	8124	8123	8123	8146	8180	8202	8202	8203	8196	8181
24 [b]	8124	8116	8120	8149	8162	8153	8131	8141	8154	8151	8151	8156	8185	8203	8145
25	8086	8084	8089	8104	8107	8125	8148	8162	8177	8202	8157	8185	8180	8177	8142
26	8117	8127	8130	8126	8122	8122	8132	8137	8155	8175	8181	8174	8177	8171	8161
27	8129	8132	8130	8133	8135	8135	8130	8136	8151	8170	8182	8167	8167	8171	8163
28 [a]	8121	8120	8124	8126	8126	8131	8130	8144	8164	8190	8208	8206	8199	8184	8169
29	8130	8135	8134	8136	8136	8137	8144	8144	8171	8183	8203	8206	8194	8179	8168
30 [a]	8136	8133	8130	8130	8138	8132	8131	8143	8159	8185	8198	8207	8206	8186	8172
Mean	8104	8106	8109	8111	8111	8113	8116	8123	8141	8158	8167	8167	8161	8153	8138
Mean [a]	8109	8109	8109	8109	8113	9116	8121	8132	8150	8174	8185	8184	8180	8167	8153
Mean [b]	8099	8098	8112	8117	8117	8119	8115	8126	8137	8145	8149	8147	8142	8134	8109

[a] Five international quiet days. [b] Five international disturbed days.

OCTOBER, 1919

30000 γ plus tabular quantities

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8142	8145	8147	8149	8152	8153	8159	8182	8197	-------	-------	8216	8216	8179	8164
2	8127	8125	8078	8069	8054	8050	8009	7994	7997	8017	8059	8063	8068	8066	8058
3 [b]	8064	8071	8088	8072	8079	8080	8081	8087	8113	8143	8172	8163	8127	8083	8042
4 [b]	8105	8105	8105	8100	8091	8101	8113	8129	8130	8154	8157	8159	8194	8172	8159
5 [b]	8109	8089	8077	8082	8107	8094	8100	8090	8076	8103	8103	8109	8110	8127	8079
6 [b]	8040	8030	8035	8083	8072	8078	8104	8102	8151	8154	8154	8141	8100	8113	8131
7	8082	8088	8101	8113	8109	8093	8079	8112	8128	8149	8164	8151	8144	8136	8123
8	8119	8113	8113	8113	8115	8121	8131	8136	-------	-------	8184	8183	-----	8154	8143
9	8117	8121	8140	8124	8128	8154	-------	-------	8145	8153	8170	8171	8161	8154	8141
10	8115	8110	8116	8122	8123	8124	-------	8135	8158	8162	8163	8164	8164	8146	8131
11	8121	8122	8123	8122	8120	8124	-------	-------	8158	8179	8189	8180	8184	8181	8159
12	8122	8126	8127	8131	8138	-------	-------	8152	8164	8178	8198	8205	8198	8178	8168
13	8125	8124	8126	8128	8125	-------	-------	-------	8163	8179	8203	8204	8194	8171	8150
14 [a]	8115	8114	8115	8118	8123	8128	8140	8153	8174	8198	8203	8199	8185	8169	8158
15	8125	8128	8133	8136	8142	8148	8163	8172	8196	8201	8206	8211	8203	8188	8169
16	8123	8131	8131	8139	8138	8137	8152	8155	8173	8175	8168	8141	8120	8085	8068
17	8103	8105	8103	8107	8105	8104	8108	8119	8139	8148	8154	8144	8136	8130	8123
18	8086	8086	8103	8106	8103	8097	8091	8093	8105	8130	8127	8121	8109	8090	8092
19	8101	8107	8099	8099	8102	8102	8104	8113	8125	8135	8163	8163	8139	8133	8131
20 [a]	8106	8114	8125	8120	8126	8128	8124	8134	8145	8153	8162	8168	8161	8149	8148
21 [a]	8132	8120	8119	8119	8122	8124	8134	8146	8162	8174	8176	8180	8183	8175	8159
22	8137	8138	8141	8142	8141	8145	8151	8157	8177	8189	8198	8211	8213	8210	8206
23	8093	8105	8104	8115	8119	8122	8132	8136	8140	8155	8169	8127	8067	8048	8034
24 [a]	8087	8086	8089	8088	8092	8094	8094	8105	8121	8141	8162	8166	8157	8151	8138
25 [a]	8111	8113	8113	8115	8114	8117	8122	8139	8150	8166	8173	8171	8167	8160	8148
26	8120	8116	8124	8124	8124	8123	8135	8169	8172	8193	8201	8187	8177	8178	8165
27	8147	8129	8116	8113	8115	8120	8133	8158	8170	8189	8165	8123	8118	8121	8099
28 [b]	8103	8108	8109	8111	8123	8115	8120	8141	8141	8170	8177	8165	8153	8144	8104
29	8098	8110	8118	8119	8115	8116	8116	8121	8134	8157	8161	8160	8149	8137	8119
30	8108	8096	8097	8102	8102	8111	8118	8135	8149	8169	8168	8158	8148	8143	8131
31	8113	8109	8113	8117	8115	8124	8125	8130	8144	8156	8160	8139	8114	8086	8078
Mean	8110	8109	8111	8113	8114	8115	8117	8128	8143	8158	8167	8163	8152	8140	8126
Mean [a]	8110	8109	8112	8112	8115	8118	8123	8135	8150	8166	8175	8177	8171	8161	8150
Mean [b]	8084	8081	8083	8090	8094	8094	8104	8110	8122	8145	8153	8147	8137	8128	8103

[a] Five international quiet days; October 20 and 24 used instead of October 12 and 13.
[b] Five international disturbed days; October 6 used instead of October 1.

HOURLY VALUES OF HORIZONTAL INTENSITY

SEPTEMBER, 1919

30000 γ plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
8127	8121	8115	8112	8110	8107	8106	8106	8104	8120	11	00	8163	5	00	8100	63	1
8128	8119	8117	8118	8117	8136	8135	8138	8116	8130	11	00	8174	1	12	8097	77	2
8088	8089	8091	8090	8088	8074	8068	8075	8074	8092	11	00	8146	22	00	8068	78	3
8092	8061	8063	8051	8054	8063	8060	8062	8076	8087	9	17	8139	19	00	8051	88	4
8128	8118	8115	8109	8103	8094	8089	8088	8086	8111	11	00	8158	1	19	8072	86	5
8060	8035	8031	8014	8019	8001	8024	8038	8037	8078	10	50	8145	21	10	7997	148	6
8113	8107	8098	8096	8100	8097	8094	8085	8094	8102	10	54	8170	0	02	8039	131	7
8130	8124	8117	8117	8113	8112	8114	8112	8114	8116	14	00	8148	1	00	8087	61	8
8130	8134	8132	8131	8129	8129	8136	8128	8110	8123	12	00	8141	8	00	8102	39	9
8113	8113	8116	8113	8113	8109	8106	8098	8104	8113	11	47	8163	3	26	8066	97	10
8139	8133	8128	8124	8122	8121	8120	8117	8115	8131	12	09	8187	5	16	8099	88	11
8143	8139	8140	8134	8134	8131	8131	8129	8129	8143	11	24	8202	1	00	8112	90	12
8172	8163	8159	8152	8149	8143	8139	8128	8126	8154	12	00	8202	24	00	8126	76	13
8132	8122	8124	8126	8108	8104	8097	8101	8112	8129	11	00	8185	22	30	8094	91	14
8133	8131	8122	8114	8111	8117	8118	8113	8112	8127	11	32	8172	3	33	8099	73	15
8103	8102	8096	8097	8121	8106	8107	8116	8118	8122	9	30	8165	18	39	8091	74	16
8142	8129	8125	8119	8133	8136	8133	8133	8135	8143	12	18	8204	18	42	8112	92	17
8156	8155	8140	8129	8131	8128	8123	8142	8137	8150	12	04	8215	21	30	8122	93	18
8085	8055	8034	8029	8027	8052	8026	8006	8012	8107	10	18	8198	11	30	8002	196	19
8051	8043	8076	8063	8034	8033	8034	8051	8056	8070	10	00	8110	0	12	8012	98	20
8092	8102	8103	8095	8102	8101	8094	8090	8091	8096	11	24	8133	0	01	8056	77	21
8143	8136	8132	8130	8130	8132	8137	8137	8132	8130	12	18	8171	0	01	8091	80	22
8167	8163	8155	8152	8143	8138	8133	8132	8134	8151	13	03	8205	0	30	8118	87	23
8112	8124	8120	8119	8117	8105	8122	8133	8087	8137	14	08	8228	23	42	8086	142	24
8129	8117	8114	8125	8128	8125	8119	8108	8113	8133	9	40	8210	2	18	8072	138	25
8152	8146	8142	8131	8133	8120	8115	8115	8122	8141	11	40	8186	22	06	8114	72	26
8155	8151	8145	8133	8133	8129	8124	8123	8125	8144	10	30	8184	23	00	8123	61	27
8157	8151	8146	8148	8143	8139	8139	8135	8134	8151	10	57	8209	2	00	8120	89	28
8159	8148	8146	8147	8146	8143	8141	8142	8141	8155	12	00	8206	0	45	8128	78	29
8160	8155	8147	8139	8137	8134	8132	8130	8129	8152	12	00	8207	24	00	8129	78	30
8126	8120	8116	8112	8111	8109	8107	8107	8106	8125	---------		8177	---------		8086	91	------
8143	8137	8133	8128	8125	8121	8119	8118	8116	8135	---------		8188	---------		8107	81	------
8087	8075	8076	8069	8063	8065	8068	8073	8062	8104	---------		8171	---------		8039	132	------

OCTOBER, 1919

30000 γ plus tabular quantities

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
8157	8166	8167	8159	8157	8151	8151	8147	8147	-------	-------	-------	-------	-------	-------	-------	-------	1
8050	8055	8061	8060	8064	8068	8066	8069	8070	8058	0	06	8190	8	00	7994	196	2
7994	8002	8033	8060	8075	8066	8073	8087	8079	8080	11	18	8189	16	18	7968	221	3
8147	8141	8129	8127	8121	8097	8091	8105	8089	8126	12	51	8197	0	01	8079	118	4
8096	8111	8122	8119	8108	8115	8153	8165	8042	8104	22	45	8256	24	00	8042	214	5
8083	8124	8084	8066	8078	8077	8083	8082	8081	8094	10	33	8158	0	24	8016	142	6
8113	8115	8117	8118	8118	8114	8107	8126	8114	8117	11	10	8167	0	01	8081	86	7
8135	8130	8128	8111	8094	8107	8117	8119	8120	-------	-------	-------	-------	-------	-------	-------	-------	8
8129	8107	8104	8098	8078	8095	8093	8148	8132	-------	-------	-------	-------	-------	-------	-------	-------	9
8125	8113	8098	8097	8110	8114	8116	8120	8122	-------	-------	-------	-------	-------	-------	-------	-------	10
8146	8128	8140	8123	8127	8124	8127	8125	8124	-------	-------	-------	-------	-------	-------	-------	-------	11
8160	8156	8147	8140	8131	8121	8123	8122	8123	-------	-------	-------	-------	-------	-------	-------	-------	12
8139	8136	8130	8136	8134	8128	8124	8124	8120	-------	-------	-------	-------	-------	-------	-------	-------	13
8163	8170	8132	8134	8135	8127	8134	8128	8124	8147	11	00	8203	2	00	8114	89	14
8155	8152	8154	8154	8151	8122	8117	8128	8130	8158	11	39	8213	21	27	8114	99	15
8068	8054	8060	8057	8058	8068	8074	8087	8115	8112	10	15	8178	17	06	8052	126	16
8120	8110	8105	8088	8070	8071	8085	8067	8063	8109	11	12	8158	24	00	8063	95	17
8101	8099	8091	8079	8083	8077	8076	8090	8130	8099	10	06	8132	20	57	8074	58	18
8118	8119	8112	8113	8108	8099	8097	8088	8090	8115	11	10	8165	23	18	8085	80	19
8133	8131	8133	8130	8119	8112	8116	8120	8128	8133	11	50	8170	0	01	8090	80	20
8150	8143	8144	8138	8145	8130	8132	8139	8140	8145	12	10	8193	2	57	8118	75	21
8184	8155	8145	8101	8082	8023	8070	8077	8088	8145	11	20	8220	20	48	8020	200	22
8057	8093	8085	8083	8081	8087	8091	8091	8092	8101	11	00	8169	15	27	8019	150	23
8128	8118	8113	8107	8109	8116	8114	8111	8112	8117	11	45	8168	1	03	8085	83	24
8142	8135	8131	8126	8121	8121	8117	8122	8125	8134	11	24	8174	1	00	8111	63	25
8152	8146	8140	8136	8139	8139	8132	8159	8147	8150	11	00	8201	2	00	8116	85	26
8092	8105	8100	8098	8096	8097	8101	8100	8103	8121	9	33	8198	14	54	8072	126	27
8118	8129	8111	8084	8094	8100	8118	8110	8095	8123	11	00	8177	19	00	8084	93	28
8102	8102	8096	8087	8098	8084	8082	8087	8083	8115	11	18	8163	22	00	8082	81	29
8125	8129	8117	8114	8109	8103	8107	8109	8112	8123	10	06	8170	0	01	8083	87	30
8075	8084	8095	8099	8099	8098	8098	8101	8099	8111	11	00	8160	15	40	8073	87	31
8118	8118	8114	8108	8106	8102	8106	8111	8108	8118	---------		8182	---------		8068	114	------
8143	8139	8131	8127	8126	8121	8123	8124	8126	8135	---------		8182	---------		8104	78	------
8088	8101	8096	8091	8095	8091	8104	8108	8077	8105	---------		8195	---------		8038	157	------

HOURLY VALUES OF HORIZONTAL INTENSITY

NOVEMBER, 1919

30000 γ plus tabular quantities

Day.	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h	15 h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8100	8099	8106	8107	8105	8108	8119	8131	8146	8155	8168	8165	8141	8130	8120
2	8119	8118	8120	8127	8127	8127	8134	8143	8161	8172	8182	8182	8179	8161	8140
3	8124	8123	8127	8127	8126	8129	8149	8151	8161	8185	8197	8199	8189	8173	8153
4 [b]	8133	8134	8136	8137	8141	8142	8150	8167	8180	8194	8215	8211	8192	8164	8146
5	8043	8010	8038	8050	8057	8064	8073	8082	8097	8115	8113	8113	8109	8092	8093
6	8087	8089	8088	8086	8089	8087	8094	8112	8124	8138	8141	8138	8127	8120	8106
7 [a]	8096	8100	8101	8103	8103	8106	8113	8122	8133	8151	8156	8153	8145	8144	8138
8	8125	8124	8122	8125	8125	8127	8136	8157	8166	8177	8179	8169	8162	8161	8167
9 [a]	8142	8143	8137	8135	8129	8131	8137	8151	8152	8172	8185	8181	8169	8161	8151
10	8132	8131	8134	8134	8134	8134	8140	8151	8162	8172	8175	8174	8165	8159	8156
11 [b]	8137	8141	8139	8138	8143	8153	8148	8153	8167	8192	8198	8195	8189	8170	8144
12	8110	8105	8090	8100	8097	8105	8114	8132	8167	8167	8150	8135	8116	8102	8087
13	8095	8098	8100	8101	8106	8111	8116	8129	8140	8153	8157	8156	8149	8124	8119
14 [a]	8118	8118	8122	8123	8127	8129	8137	8145	8161	8170	8175	8175	8167	8160	8158
15	8126	8126	8122	8125	8129	8126	8133	8141	8148	8161	8164	8165	8158	8149	8149
16 [b]	8120	8119	8124	8131	8128	8133	8140	8157	8162	8172	8183	8183	8195	8184	8171
17 [b]	8078	8085	8108	8095	8090	8076	8084	8077	8092	8111	8120	8130	8124	8094	8084
18	8100	8105	8103	8104	8104	8102	8110	8119	8133	8157	8164	8156	8141	8129	8121
19 [a]	8107	8126	8115	8100	8104	8107	8113	8122	8135	8154	8165	8159	8152	8141	8131
20 [a]	8112	8116	8114	8118	8117	8115	8119	8134	8152	8169	8175	8174	8165	8154	8145
21	8118	8118	8116	8121	8123	8129	8139	8146	8159	8168	8173	8176	8168	8157	8149
22 [b]	8131	8138	8132	8120	8130	8124	8132	8153	8172	8187	8192	8153	8150	8135	8109
23	8113	8098	8093	8088	8097	8103	8113	8126	8138	8147	8154	8149	8137	8120	8110
24	8098	8088	8103	8102	8102	8103	8110	8117	8134	8142	8147	8141	8131	8121	8107
25	8107	8104	8101	8105	8106	8112	8115	8128	8137	8155	8168	8169	8163	8142	8135
26	8110	8113	8110	8110	8111	8114	8120	8136	8143	8162	8164	8157	8134	8132	8115
27	8101	8103	8101	8101	8104	8104	8113	8129	8137	8146	8155	8141	8133	8130	8129
28	8112	8115	8118	8121	8124	8129	8135	8146	8160	8168	8169	8163	8145	8140	8134
29	8107	8108	8106	8108	8110	8113	8117	8125	8138	8154	8168	8165	8148	8138	8128
30	8104	8119	8111	8109	8110	8119	8126	8132	8142	8157	8161	8155	8156	8144	8140
Mean	8110	8110	8111	8112	8113	8115	8123	8134	8147	8161	8167	8163	8153	8141	8131
Mean [a]	8115	8121	8118	8116	8116	8118	8124	8135	8147	8163	8171	8168	8160	8152	8145
Mean [b]	8120	8123	8128	8124	8126	8126	8131	8141	8155	8171	8182	8174	8170	8149	8131

[a] Five international quiet days.

[b] Five international disturbed days.

DECEMBER, 1919

30000 γ plus tabular quantities

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 [a]	8079	8079	8085	8090	8096	8095	8105	8120	8131	8146	8153	8156	8144	8131	8120
2	8100	8103	8105	8107	8112	8114	8122	8125	8139	8153	8164	8160	8151	8139	8127
3 [b]	8112	8127	8124	8115	8106	8107	8111	8121	8133	8143	8155	8170	8172	8173	8150
4	8120	8118	8120	8116	8092	8087	8088	8092	8101	8123	8132	8137	8118	8116	8118
5	8086	8098	8098	8100	8097	8105	8113	8124	8140	8138	8148	8150	8146	8133	8122
6	8099	8098	8098	8102	8103	8102	8113	8116	8122	8140	8142	8147	8147	8128	8107
7	8093	8095	8095	8103	8103	8105	8109	8122	8132	8142	8146	8146	8140	8126	8111
8	8100	8101	8100	8102	8104	8111	8120	8134	8153	8164	8160	8164	8150	8141	8132
9	8116	8109	8107	8098	8103	8098	8106	8119	8128	8140	8149	8144	8138	8131	8113
10	8087	8103	8103	8101	8103	8103	8123	8131	8143	8170	8165	8158	8158	8148	8134
11	8102	8104	8106	8105	8115	8117	8120	8127	8139	8159	8171	8175	8159	8143	8133
12	8094	8090	8094	8097	8098	8102	8106	8122	8130	8149	8156	8142	8132	8134	8132
13	8084	8096	8100	8102	8104	8110	8121	8134	8141	8147	8146	8145	8136	8130	8110
14 [b]	8093	8083	8088	8084	8085	8097	8101	8108	8123	8141	8159	8156	8150	8125	8064
15	8039	8072	8076	8075	8089	8094	8121	8141	8155	8106	8137	8140	8130	8110	8081
16	7989	8008	8001	7979	7999	8013	8021	8031	8042	8061	8064	8066	8066	8046	8046
17 [a]	8056	8058	8063	8068	8067	8067	8072	8077	8077	8086	8093	8090	8081	8083	8080
18	8071	8078	8076	8081	8079	8087	8090	8094	8103	8114	8131	8136	8138	8128	8117
19	8086	8089	8086	8084	8078	8075	8075	8085	8091	8103	8112	8107	8100	8103	8089
20	8067	8074	8074	8079	8085	8093	8100	8105	8112	8133	8123	8126	8115	8111	8100
21	8068	8069	8076	8079	8079	8087	8093	8105	8106	8120	8124	8105	8105	8088	8082
22 [b]	8065	8062	8082	8067	8067	8072	8079	8086	8091	8106	8105	8102	8101	8094	8092
23 [b]	8057	8070	8071	8065	8067	8068	8078	8093	8115	8116	8111	8096	8099	8094	8082
24 [b]	8062	8067	8066	8075	8081	8083	8100	8113	8122	8132	8126	8118	8089	8073	8063
25	8056	8079	8081	8083	8076	8074	8083	8088	8098	8117	8117	8115	8106	8085	8068
26 [a]	8064	8070	8071	8077	8073	8075	8084	8096	8107	8127	8133	8123	8122	8106	8090
27	8077	8082	8084	8084	8086	8088	8093	8103	8111	8127	8132	8134	8128	8114	8106
28 [a]	8073	8080	8078	8083	8083	8083	8087	8101	8113	8135	8141	8155	8138	8115	8095
29 [a]	8068	8068	8071	8072	8077	8079	8084	8090	8102	8115	8124	8123	8113	8095	8094
30	8089	8094	8092	8093	8093	8092	8093	8101	8114	8133	8139	8139	8133	8128	8112
31	8085	8085	8088	8087	8086	8092	8103	8107	-------	8138	8139	8132	8132	8119	8109
Mean	8079	8084	8086	8086	8087	8090	8097	8107	8117	8130	8135	8134	8127	8116	8103
Mean [a]	8068	8071	8074	8078	8079	8080	8086	8097	8106	8122	8129	8129	8120	8106	8096
Mean [b]	8078	8082	8086	8081	8081	8085	8094	8104	8117	8128	8131	8128	8122	8112	8090

[a] Five international quiet days; December 28 used instead of December 31.

[b] Five international disturbed days; December 23, used instead of December 15.

HOURLY VALUES OF HORIZONTAL INTENSITY

NOVEMBER, 1919

30000 γ plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
8111	8110	8110	8113	8114	8115	8115	8116	8117	8122	11	00	8163	1	36	8098	65	1
8133	8129	8129	8127	8123	8125	8122	8120	8119	8138	11	27	8184	0	01	8117	67	2
8143	8142	8142	8135	8125	8119	8130	8135	8141	8147	11	12	8200	21	00	8119	81	3
8133	8127	8128	8118	8108	8096	8050	7976	8017	8133	11	00	8215	23	03	7974	241	4
8088	8082	8071	8077	8076	8079	8082	8083	8087	8078	10	36	8118	0	30	8006	112	5
8106	8109	8115	8114	8104	8105	8094	8097	8096	8107	11	00	8141	4	00	8086	55	6
8135	8130	8130	8128	8125	8124	8121	8121	8123	8125	11	00	8156	0	01	8095	61	7
8167	8150	8142	8147	8147	8144	8142	8144	8143	8148	10	12	8183	3	00	8122	61	8
8147	8142	8136	8137	8133	8132	8131	8131	8131	8146	11	00	8185	4	42	8128	57	9
8156	8149	8145	8145	8141	8137	8137	8135	8139	8147	11	18	8177	0	20	8130	47	10
8143	8145	8136	8133	8135	8128	8122	8118	8101	8149	11	00	8198	24	00	8101	97	11
8078	8065	8071	8078	8085	8084	8086	8117	8105	8106	9	54	8170	17	00	8065	105	12
8118	8119	8119	8110	8107	8099	8106	8112	8116	8119	11	20	8160	1	00	8095	65	13
8150	8148	8145	8140	8137	8133	8131	8130	8129	8143	11	50	8177	0	01	8116	61	14
8141	8139	8137	8126	8122	8108	8112	8117	8116	8135	12	00	8165	21	00	8108	57	15
8157	8143	8123	8130	8124	8128	8128	8129	8121	8145	12	48	8197	0	01	8116	81	16
8095	8098	8100	8101	8102	8101	8104	8111	8102	8098	12	00	8130	5	42	8060	70	17
8114	8107	8104	8103	8101	8105	8100	8114	8123	8117	11	10	8179	22	12	8098	81	18
8120	8115	8116	8111	8114	8109	8113	8113	8111	8123	11	15	8168	4	06	8098	70	19
8135	8132	8130	8129	8123	8121	8123	8121	8121	8134	11	18	8176	0	01	8111	65	20
8132	8132	8132	8128	8127	8128	8128	8133	8132	8139	12	00	8176	3	00	8116	60	21
8102	8094	8075	8085	8100	8086	8080	8070	8066	8122	11	00	8192	22	12	8050	142	22
8103	8106	8103	8103	8099	8098	8099	8103	8093	8112	11	06	8156	0	01	8066	90	23
8098	8101	8097	8092	8101	8102	8107	8103	8117	8111	11	00	8147	2	00	8088	59	24
8131	8125	8123	8118	8115	8111	8104	8107	8107	8124	12	08	8172	2	33	8100	72	25
8107	8102	8100	8096	8099	8100	8099	8104	8104	8118	10	15	8175	19	00	8096	79	26
8120	8113	8114	8113	8113	8107	8111	8111	8114	8118	11	54	8156	1	36	8100	56	27
8129	8125	8126	8120	8116	8116	8114	8112	8112	8131	10	15	8171	0	54	8110	61	28
8116	8118	8117	8113	8110	8108	8108	8110	8110	8123	11	18	8170	3	00	8106	64	29
8137	8134	8117	8106	8096	8076	8060	8065	8075	8119	11	20	8163	22	06	8054	109	30
8125	8121	8118	8116	8114	8111	8109	8109	8110	8126	------	------	8171	------	------	8091	80	------
8137	8133	8131	8129	8126	8124	8124	8123	8123	8134	------	------	8172	------	------	8109	63	------
8126	8121	8112	8113	8114	8107	8097	8081	8081	8129	------	------	8186	------	------	8060	126	------

DECEMBER, 1919

30000 γ plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
8110	8108	8108	8107	8099	8098	8095	8088	8095	8110	12	00	8156	0	01	8075	81	1
8119	8117	8119	8118	8118	8118	8115	8112	8114	8124	10	40	8165	0	01	8095	70	2
8152	8151	8134	8123	8111	8120	8121	8125	8133	8133	12	15	8189	5	06	8104	85	3
8098	8097	8096	8090	8091	8091	8086	8085	8084	8104	11	45	8161	24	00	8084	77	4
8113	8101	8086	8084	8068	8084	8082	8084	8100	8108	12	36	8158	20	00	8068	90	5
8075	8077	8075	8085	8089	8090	8095	8091	8094	8106	11	21	8163	17	42	8073	90	6
8109	8112	8099	8103	8094	8094	8096	8099	8101	8111	12	09	8154	0	01	8092	62	7
8127	8128	8125	8110	8113	8111	8110	8111	8110	8124	10	12	8166	0	01	8099	67	8
8106	8097	8099	8101	8102	8098	8104	8099	8092	8112	11	00	8149	23	24	8091	58	9
8134	8132	8133	8119	8116	8107	8082	8108	8095	8123	10	27	8182	22	00	8082	100	10
8127	8126	8128	8118	8103	8090	8078	8079	8089	8121	11	42	8183	22	00	8078	105	11
8117	8097	8092	8090	8083	8060	8056	8064	8078	8105	11	00	8156	21	27	8052	104	12
8116	8126	8121	8102	8088	8090	8085	8089	8095	8113	10	33	8163	0	01	8078	85	13
8039	8037	8028	8043	8077	8050	8079	8055	8048	8088	11	06	8161	18	12	8026	135	14
7995	------	------	------	7934	------	7931	7944	7926	------	------	------	------	------	------	------	------	15
8043	8040	8043	8041	8034	8041	8055	8055	8056	8035	10	18	8070	0	04	7924	146	16
8074	8074	8071	8073	8073	8071	8069	8071	8081	8074	11	06	8096	0	20	8054	42	17
8101	8096	8094	8092	8089	8083	8087	8089	8087	8098	11	20	8139	0	09	8067	72	18
8091	8085	8080	8076	8069	8069	8054	8051	8071	8084	11	00	8112	23	00	8051	61	19
8091	8091	8088	8091	8089	8085	8078	8079	8079	8094	10	30	8141	1	00	8067	74	20
8065	8043	8048	8071	8074	8060	8055	8057	8078	8081	10	24	8140	17	42	8041	99	21
8089	8088	8070	8058	8054	8063	8080	8084	8075	8080	10	42	8108	19	24	8050	58	22
8067	8063	8069	8062	8062	8059	8052	8062	8066	8077	10	12	8118	22	18	8050	68	23
8051	8051	8050	8044	8052	8052	8051	8070	8061	8077	10	20	8146	18	42	8042	104	24
8065	8065	8069	8063	8065	8063	8066	8068	8065	8080	10	45	8125	1	00	8056	69	25
8084	8084	8084	8083	8079	8074	8071	8075	8079	8089	11	00	8133	1	00	8064	69	26
8089	8080	8074	8083	8083	8074	8073	8064	8074	8093	11	03	8136	23	09	8062	74	27
8091	8094	8084	8082	8084	8063	8062	8058	8066	8094	11	57	8157	22	54	8056	101	28
8098	8095	8093	8091	8093	8091	8089	8088	8091	8092	11	00	8124	0	01	8066	58	29
8103	8086	8083	8076	8073	8083	8090	8084	8088	8100	11	20	8140	19	33	8071	69	30
8101	8100	8097	8093	8094	8093	8095	8097	8098	------	11	10	8149	1	06	8084	56	31
8092	8091	8088	8086	8079	8081	8076	8077	8080	8098	------	------	8144	------	------	8063	81	------
8091	8091	8088	8087	8086	8079	8077	8076	8082	8092	------	------	8133	------	------	8063	70	------
8080	8078	8070	8066	8071	8069	8077	8079	8077	8091	------	------	8144	------	------	8054	90	------

HOURLY VALUES OF VERTICAL INTENSITY

JANUARY, 1919

10000 γ plus tabular quantities

Day.	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h	15 h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1083	1082	1083	1083	1081	1079	1078	1074	1068	1066	1058	1063	1069	1089	1082
2[a]	1085	1085	1085	1085	1084	1084	1083	1081	1075	1069	1061	1067	1069	1077	1079
3[b]	1084	1084	1084	1084	1083	1083	1080	1079	1069	1068	1052	1049	1056	1062	1068
4[b]	1084	1084	1080	1082	1089	1085	1082	1079	1063	1052	1049	1059	1066	1070	1077
5[b]	1081	1082	1084	1083	1084	1084	1083	1079	1075	1066	1063	1064	1080	1084	1089
6	1081	1082	1083	1084	1084	1085	1085	1081	1068	1058	1057	1053	1063	1070	1078
7	1082	1081	1082	1079	1081	1084	1087	1085	1079	1068	1052	1057	1065	1067	1071
8	1083	1082	1082	1083	1083	1083	1079	1077	1067	1056	1062	1065	1066	1063	1072
9	1083	1083	1080	1079	1079	1079	1078	1078	1069	1055	1038	1039	1049	1060	1063
10	1083	1084	1085	1085	1084	1085	1085	1087	1078	1056	1049	1052	1054	1062	1073
11[a]	1087	1088	1088	1088	1085	1084	1084	1085	1082	1068	1047	1041	1047	1055	1065
12	1083	1084	1084	1084	1084	1084	1085	1087	1078	1066	1054	1055	1058	1059	1063
13	1085	1087	1084	1084	1085	1085	1087	1088	1080	1058	1059	1066	1062	1070	1072
14	1086	1086	1081	1081	1080	1082	1079	1080	1092	1060	1057	1058	1056	1065	1083
15	1088	1088	1088	1086	1083	1083	1083	1081	1073	1062	1053	1052	1059	1072	1076
16	1084	1086	1084	1084	1086	1087	1087	1086	1077	1066	1057	1055	1057	1064	1070
17	1088	1083	1087	1085	1083	1086	1082	1080	1081	1074	1060	1059	1066	1074	1079
18[b]	1087	1088	1088	1088	1089	1088	1084	1082	1078	1070	1065	1067	1068	1069	1073
19	1095	1085	1088	1089	1088	1089	1088	1089	1083	1068	1057	1059	1076	1084	1089
20	1087	1087	1087	1087	1088	1087	1087	1079	1068	1056	1045	1047	1061	1062	1075
21	1085	1086	1086	1086	1087	1087	1087	1083	1068	1044	1035	1035	1043	1061	1076
22	1085	1086	1086	1087	1086	1085	1083	1082	1083	1078	1055	1049	1043	1052	1062
23	1086	1084	1085	1084	1083	1084	1087	1091	1080	1058	1037	1039	1038	1053	1072
24	1085	1087	1083	1084	1084	1084	1084	1087	1086	1077	1054	1048	1046	1051	1064
25[a]	1089	1090	1090	1090	1090	1091	1090	1089	1084	1074	1068	1051	1048	1053	1063
26[a]	1089	1089	1088	1088	1088	1088	1089	1091	1089	1081	1074	1066	1066	1067	1071
27[a]	1094	1094	1094	1093	1093	1093	1094	1097	1093	1077	1061	1059	1057	1056	1064
28	1090	1089	1089	1089	1089	1089	1089	1081							
29								1089	1081	1068	1060	1062	1064	1068	1072
30	1088	1089	1089	1089	1087	1088	1086	1087	1083	1074	1066	1063	1066	1064	1071
31[b]	1092	1092	1090	1090	1090	1090	1089	1086	1076	1052	1044	1046	1058	1066	1073
Mean	1086	1086	1085	1085	1085	1086	1085	1084	1078	1065	1055	1055	1059	1066	1073
Mean[a]	1089	1089	1089	1089	1088	1088	1088	1089	1085	1074	1062	1057	1057	1062	1068
Mean[b]	1086	1086	1085	1085	1087	1086	1084	1081	1072	1062	1055	1057	1066	1070	1076

FEBRUARY, 1919

10000 γ plus tabular quantities

Day.	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h	15 h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1[b]	1089	1087	1084	1089	1088	1088	1090	1087	1066	1023	1012	1031	1034	1053	1064
2	1076	1076	1075	1069	1068	1064	1063	1063	1059	1040	1030	1024	1036	1047	1062
3	1071	1069	1067	1067	1058	1053	1047	1033	1035	1022	1019	1020	1047	1057	1066
4	1074	1070	1068	1066	1060	1065	1051	1043	1030	993	973	987	1025	1057	1074
5	1073	1069	1065	1064	1064	1060	1045	1039	1021	1007	992	1013	1037	1065	1080
6	1067	1064	1062	1059	1057	1057	1057	1049	1039	1009	1007	1019	1030	1041	1051
7[a]	1063	1063	1060	1058	1055	1052	1048	1039	1028	1006	996	1002	1015	1033	1043
8	1059	1057	1057	1055	1053	1051	1058	1043	1018	994	982	989	1003	1030	1049
9	1056	1053	1052	1050	1050	1047	1046	1042	1019	997	985	980	999	1011	1034
10[a]	1057	1052	1049	1048	1041	1039	1037	1031	1010	984	962	966	980	1008	1038
11[a]	1066	1064	1059	1055	1051	1049	1048	1039	1018	995	980	979	998	1018	1033
12[a]	1064	1064	1060	1058	1057	1055	1054	1048	1029	1014	1001	1000	1008	1018	1037
13	1067	1066	1064	1061	1059	1059	1058	1053	1047	1035	1028	1035	1044	1050	1055
14[b]	1074	1074	1074	1072	1071	1067	1065	1062	1060	1065	1055	1063	1072	1074	1080
15	1073	1072	1065	1062	1057	1054	1049	1046	1038	1037	1037	1047	1056	1064	1065
16	1069	1066	1064	1064	1060	1056	1049	1043	1035	1032	1032	1041	1057	1064	1068
17	1073	1075	1073	1072	1068	1065	1056	1050	1044	1035	1040	1048	1059	1068	1069
18	1075	1076	1073	1069	1067	1065	1060	1049	1030	1020	1017	1023	1038	1054	1064
19	1066	1068	1060	1059	1056	1053	1049	1034	1021	1009	1005	1007	1019	1037	1045
20	1056	1054	1051	1049	1049	1048	1041	1032	1025	1010	1006	1006	1015	1028	1045
21[b]	1057	1057	1050	1047	1043	1041	1041	1033	1019	1009	1004	1000	1029	1035	1052
22[b]	1061	1061	1057	1053	1051	1048	1044	1040	1038	1030	1018	1026	1030	1047	1051
23	1068	1066	1063	1061	1056	1054	1051	1046	1041	1039	1029	1029	1032	1046	1047
24	1066	1066	1064	1060	1058	1056	1049	1044	1037	1032	1029	1027	1034	1043	1051
25[a]	1068	1067	1064	1061	1058	1055	1049	1038	1030	1018	1013	1015	1028	1033	1041
26	1056	1055	1053	1050	1047	1043	1039	1033	1026	1022	1019	1022	1026	1037	1040
27	1047	1046	1042	1039	1035	1032	1028	1025	1020	1013	1013	1018	1035	1036	1042
28[b]	1055	1053	1052	1050	1048	1039	1041	1035	1029	1000	1017	1035	1036	1068	1075
Mean	1066	1065	1062	1060	1057	1054	1050	1044	1033	1018	1011	1016	1029	1044	1054
Mean[a]	1064	1062	1058	1056	1052	1050	1047	1039	1023	1003	990	992	1006	1022	1038
Mean[b]	1067	1066	1062	1062	1060	1057	1056	1051	1042	1025	1021	1031	1040	1055	1064

[a] Five international quiet days.

[b] Five international disturbed days.

HOURLY VALUES OF VERTICAL INTENSITY

JANUARY, 1919

10000 γ plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
1078	1075	1077	1079	1081	1081	1082	1083	1084	1077	24	00	1084	11	20	1055	29	1
1079	1077	1077	1079	1080	1080	1082	1084	1085	1079	1	10	1086	11	15	1059	27	2
1072	1073	1074	1075	1077	1079	1079	1080	1082	1074	0	01	1085	12	00	1049	36	3
1077	1073	1079	1078	1080	1078	1081	1080	1082	1075	2	12	1086	10	48	1048	38	4
1085	1082	1080	1089	1081	1082	1083	1085	1085	1081	19	00	1089	10	33	1061	28	5
1083	1082	1082	1083	1083	1085	1083	1085	1083	1078	22	54	1086	12	00	1053	33	6
1077	1076	1077	1078	1079	1080	1081	1081	1082	1076	7	00	1087	11	00	1052	35	7
1073	1074	1078	1079	1079	1081	1081	1082	1083	1076	1	18	1085	10	00	1056	29	8
1077	1073	1072	1078	1079	1080	1081	1082	1083	1072	1	06	1085	11	18	1037	48	9
1080	1079	1079	1080	1080	1081	1083	1084	1087	1076	23	57	1088	11	00	1049	39	10
1073	1077	1078	1078	1078	1078	1078	1080	1081	1075	1	10	1089	11	33	1039	50	11
1069	1076	1076	1077	1078	1079	1081	1083	1084	1075	8	00	1087	11	00	1054	33	12
1076	1079	1079	1080	1081	1083	1082	1083	1087	1078	7	18	1092	10	00	1058	34	13
1082	1080	1079	1081	1082	1082	1084	1086	1088	1078	23	36	1090	11	48	1053	37	14
1079	1078	1078	1079	1080	1082	1083	1087	1084	1077	0	30	1089	12	00	1052	37	15
1077	1079	1078	1081	1083	1082	1087	1087	1089	1078	23	42	1091	12	00	1055	36	16
1083	1081	1081	1085	1087	1083	1090	1088	1088	1081	22	00	1090	11	24	1057	33	17
1078	1080	1080	1084	1082	1084	1086	1088	1089	1081	23	50	1091	11	18	1062	29	18
1089	1085	1084	1088	1087	1087	1086	1088	1091	1084	1	00	1095	11	06	1055	40	19
1084	1084	1082	1083	1083	1084	1084	1084	1087	1077	0	01	1091	10	42	1043	48	20
1080	1078	1077	1079	1078	1080	1085	1088	1086	1074	23	00	1088	11	39	1033	55	21
1072	1078	1078	1081	1082	1083	1084	1086	1087	1076	22	54	1088	13	00	1043	45	22
1084	1084	1081	1081	1082	1083	1083	1085	1086	1075	7	24	1092	11	00	1037	55	23
1075	1077	1077	1083	1084	1085	1085	1087	1088	1077	24	00	1088	13	00	1046	42	24
1072	1073	1076	1079	1080	1082	1083	1085	1087	1078	6	00	1091	12	36	1047	44	25
1077	1080	1082	1085	1088	1088	1091	1093	1093	1083	22	55	1094	12	18	1065	29	26
1074	1079	1079	1082	1084	1085	1088	1088	1090	1082	8	00	1097	13	27	1054	43	27
------	------	------	------	------	------	------	------	------	------	------		------	------		------	------	28
1079	1081	1082	1080	1086	1086	1086	1087	1089	------	------		------	------		------		29
1079	1081	1081	1082	1083	1085	1087	1090	1093	1081	24	00	1093	11	30	1062	31	30
1077	1078	1076	1080	1079	1081	1086	1087	1088	1078	18	45	1093	11	00	1044	49	31
1078	1078	1079	1081	1082	1082	1084	1085	1086	1078	---------		1089	---------		1051	38	-------
1075	1077	1078	1081	1082	1083	1084	1086	1087	1079	---------		1091	---------		1053	38	-------
1078	1077	1078	1081	1080	1081	1083	1084	1085	1078	---------		1089	---------		1053	36	-------

FEBRUARY, 1919

10000 γ plus tabular quantities

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
1076	1077	1073	1075	1073	1071	1077	1080	1085	1070	7	18	1092	11	00	1012	80	1
1064	1063	1064	1070	1074	1073	1073	1077	1079	1062	0	01	1085	11	27	1022	63	2
1071	1073	1070	1076	1078	1079	1075	1079	1079	1059	21	45	1081	11	00	1019	62	3
1080	1072	1062	1069	1071	1073	1073	1074	1075	1054	16	00	1080	11	06	971	109	4
1076	1071	1069	1071	1071	1070	1072	1064	1069	1055	15	33	1082	11	20	988	94	5
1057	1059	1059	1062	1065	1063	1066	1063	1065	1051	0	01	1069	10	27	996	73	6
1053	1055	1056	1058	1059	1064	1065	1065	1065	1046	23	57	1066	11	20	994	72	7
1057	1056	1048	1054	1055	1057	1057	1058	1058	1042	0	01	1065	11	00	982	83	8
1044	1048	1053	1056	1058	1057	1062	1063	1062	1038	22	33	1064	11	27	977	87	9
1054	1060	1060	1063	1064	1064	1067	1067	1067	1036	22	33	1068	11	27	960	108	10
1050	1059	1059	1062	1063	1065	1066	1066	1065	1042	0	01	1067	11	36	977	90	11
1049	1054	1057	1064	1066	1066	1066	1068	1068	1047	22	30	1069	11	42	998	71	12
1061	1066	1067	1073	1075	1072	1074	1082	1079	1060	23	00	1082	10	42	1026	56	13
1079	1077	1074	1078	1081	1078	1078	1079	1077	1072	20	00	1081	10	20	1053	28	14
1064	1058	1061	1068	1070	1069	1071	1072	1072	1059	0	01	1077	10	09	1030	47	15
1068	1065	1067	1075	1075	1078	1075	1078	1079	1061	20	48	1082	10	24	1024	58	16
1073	1067	1067	1073	1072	1073	1074	1074	1075	1064	0	24	1089	10	39	1034	55	17
1063	1061	1061	1057	1056	1057	1058	1057	1056	1054	2	00	1076	11	00	1017	59	18
1055	1053	1053	1056	1057	1059	1059	1059	1059	1046	2	00	1068	11	00	1005	63	19
1045	1044	1051	1054	1055	1056	1060	1064	1063	1042	22	57	1066	11	24	1005	61	20
1048	1050	1055	1057	1059	1061	1070	1062	1062	1043	21	42	1072	11	12	998	74	21
1056	1057	1056	1062	1064	1067	1069	1069	1069	1051	23	24	1071	11	03	1016	55	22
1062	1061	1061	1063	1068	1066	1066	1068	1070	1055	21	30	1081	11	39	1027	54	23
1055	1059	1060	1062	1062	1066	1068	1067	1068	1053	2	27	1072	12	00	1027	45	24
1044	1050	1053	1059	1061	1061	1056	1057	1057	1047	0	48	1069	11	00	1013	56	25
1042	1045	1047	1049	1051	1053	1053	1054	1051	1042	0	01	1057	11	33	1018	39	26
1043	1047	1047	1051	1057	1056	1056	1056	1056	1039	20	00	1057	10	27	1011	46	27
1072	1066	1067	1073	1072	1073	1077	1080	1079	1054	23	12	1082	11	27	986	96	28
1059	1060	1060	1064	1065	1066	1067	1068	1068	1052	---------		1074	---------		1007	67	-------
1050	1056	1057	1061	1063	1064	1064	1065	1064	1044	---------		1068	---------		988	80	-------
1066	1065	1065	1069	1070	1070	1074	1074	1074	1058	---------		1080	---------		1013	67	-------

HOURLY VALUES OF VERTICAL INTENSITY

MARCH, 1919

10000 γ plus tabular quantities

Day.	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h	15 h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1[b]	1077	1083	1080	1079	1067	1065	1060	1059	1051	1047	1042	1036	1055	1073	1078
2[b]	1089	1090	1086	1082	1079	1076	1074	1067	1055	1043	1041	1048	1058	1063	1071
3	1086	1085	1082	1079	1076	1070	1068	1053	1035	1012	1002	994	985	996	1002
4	1016	1019	1015	1008	1006	1004	995	986	972	955	946	959	973	985	1006
5	1022	1022	1015	1011	1007	1006	1005	993	974	961	957	962	970	985	1003
6	1030	1027	1025	1021	1017	1014	1006	999	983	970	956	970	982	995	1008
7	1037	1037	1034	1033	1027	1026	1025	1025	1018	1005	991	992	1005	1016	1025
8[a]	1049	1046	1040	1036	1033	1029	1029	1023	1006	992	983	977	986	1002	1014
9[a]	1041	1040	1039	1035	1034	1034	1028	1023	1010	996	998	993	995	1005	1015
10[a]	1044	1042	1040	1040	1039	1039	1039	1034	1021	1008	1003	1000	1009	1023	1034
11	1051	1051	1050	1045	1043	1042	1041	1035	1024	1019	1013	1003	1007	1017	1028
12	1054	1054	1050	1048	1044	1046	1043	1040	1039	1032	1011	1014	1020	1041	1045
13	1058	1058	1057	1053	1052	1049	1045	1038	1031	1018	1019	1021	1022	1042	1048
14	1063	1061	1059	1057	1055	1052	1050	1041	1029	1012	1002	1007	1026	1041	1051
15	1062	1060	1058	1053	1049	1049	1040	1029	1017	1012	1015	1023	1038	1049	1058
16	1061	1059	1055	1053	1050	1050	1049	1036	1026	1018	1024	1024	1029	1039	1044
17	1061	1058	1054	1051	1049	1044	1032	1027	1022	1015	1013	1014	1035	1051	1060
18[a]	1070	1066	1063	1060	1059	1056	1053	1052	1038	1033	1022	1022	1031	1040	1047
19	1066	1064	1067	1067	1063	1061	1059	1058	1051	1037	1029	1020	1024	1040	1048
20[b]	1063	1071	1066	1064	1066	1057	1058	1053	1040	1042	1016	1031	1036	1048	1057
21[b]	1063	1064	1054	1052	1047	1055	1043	1046	1041	1019	1019	1006	1020	1045	1055
22[b]	1064	1064	1063	1062	1057	1054	1054	1053	1044	1042	1031	1025	1024	1042	1042
23	1068	1066	1062	1060	1058	1058	1057	1049	1036	1034	1030	1034	1042	1049	1052
24[a]	1068	1068	1068	1065	1063	1060	1060	1054	1047	1039	1034	1033	1042	1052	1056
25	1070	1067	1063	1062	1061	1061	1059	1055	1048	1039	1033	1024	1032	1042	1052
26	1067	1067	1069	1066	1065	1061	1060	1056	1047	1040	1040	1047	1053	1065	1069
27	1067	1064	1064	1063	1060	1056	1054	1051	1042	1028	1023	1024	1030	1046	1054
28	1058	1070	1064	1059	1062	1054	1049	1051	1046	1042	1040	1041	1040	1051	1059
29	1066	1064	1060	1060	1057	1052	1059	1052	1039	1035	1025	1021	1026	1042	1062
30	1064	1055	1056	1056	1056	1055	1050	1039	1028	1013	1008	1020	1032	1045	1056
31	1061	1058	1057	1057	1057	1057	1050	1045	1033	1022	1023	1027	1041	1048	1061
Mean	1059	1058	1055	1053	1050	1048	1045	1039	1029	1019	1013	1013	1022	1035	1044
Mean[a]	1054	1052	1050	1047	1046	1044	1042	1037	1024	1014	1008	1005	1013	1024	1033
Mean[b]	1071	1074	1070	1068	1063	1061	1058	1056	1046	1039	1030	1029	1039	1054	1061

APRIL, 1919

10000 γ plus tabular quantities

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1061	1061	1061	1060	1056	1055	1053	1043	1032	1026	1026	1026	1034	1044	1055
2	1058	1056	1056	1056	1055	1055	1056	1051	1046	1037	1036	1030	1045	1058	1066
3[a]	1050	1049	1048	1046	1046	1046	1044	1042	1035	1023	1001	1002	1015	1028	1039
4	1051	1048	1044	1044	1044	1046	1044	1039	1029	1012	995	996	1007	1016	1030
5[a]	1043	1043	1042	1041	1037	1037	1037	1037	1026	1021	1013	1015	1020	1033	1037
6	1044	1042	1041	1040	1040	1040	1038	1032	1019	1007	993	990	1006	1019	1028
7[b]	1040	1040	1038	1034	1033	1030	1023	1022	1010	1010	1007	1014	1022	1027	1027
8[b]	1038	1038	1037	1033	1031	1033	1033	1036	1027	1024	1019	1018	1016	1021	1025
9	1044	1045	1040	1037	1037	1037	1032	1026	1018	1011	1005	1005	1009	1017	1027
10	1030	1030	1030	1030	1030	1028	1026	1022	1016	1007	1000	994	1004	1015	1021
11	1037	1030	1030	1028	1028	1027	1025	1021	1016	1004	1001	1002	1012	1024	1028
12	1031	1028	1025	1023	1025	1025	1021	1014	1005	996	993	999	1010	1014	1021
13	1031	1027	1026	1024	1022	1022	1018	1009	1003	999	1000	1004	1011	1020	1022
14[a]	1029	1027	1025	1024	1024	1023	1020	1016	1005	999	992	992	997	1009	1020
15	1031	1032	1030	1026	1024	1023	1022	1013	1008	998	989	992	998	1013	1022
16[b]	1034	1031	1029	1025	1025	1027	1022	1014	1003	991	990	994	999	1010	1018
17[b]	1040	1033	1031	1030	1033	1027	1027	1018	1010	997	992	999	1003	1014	1025
18[b]	1038	1036	1031	1031	1030	1025	1025	1024	1018	1013	1009	1005	1021	1031	1039
19	1036	1036	1033	1031	1030	1030	1029	1020	1013	1007	996	1000	1013	1018	1021
20	1040	1040	1036	1034	1033	1033	1031	1029	1022	1017	1010	1009	1016	1025	1029
21	1040	1039	1040	1039	1037	1034	1030	1024	1015	1008	1006	1008	1018	1021	1030
22	1048	1048	1048	1045	1043	1040	1037	1027	1018	1004	996	1005	1014	1019	1031
23	1048	1047	1045	1045	1044	1044	1041	1035	1027	1032	1009	1000	1015	1026	1034
24	1049	1048	1047	1045	1045	1044	1040	1035	1028	1023	1019	1019	1022	1028	1036
25	1045	1045	1045	1044	1043	1039	1032	1023	1014	1009	998	1004	1008	1021	1032
26[a]	1045	1045	1047	1045	1044	1043	1037	1036	1031	1024	1024	1026	1024	1027	1030
27	1046	1046	1045	1045	1045	1044	1038	1035	1023	1009	1005	1016	1019	1025	1036
28[a]	1051	1048	1048	1048	1046	1046	1036	1029	1022	1014	1011	1019	1014	1031	1040
29	1053	1050	1050	1050	1049	1049	1049	1037	1024	1005	999	1005	1011	1029	1037
30	1044	1044	1042	1040	1040	1038	1031	1022	1012	1001	996	1005	1020	1029	1029
Mean	1042	1041	1040	1038	1037	1036	1033	1028	1019	1011	1004	1006	1014	1024	1031
Mean[a]	1044	1042	1042	1041	1039	1039	1035	1032	1024	1016	1008	1011	1014	1026	1033
Mean[b]	1038	1036	1033	1031	1030	1028	1026	1023	1014	1007	1003	1006	1012	1021	1027

[a] Five international quiet days.

[b] Five international disturbed days.

HOURLY VALUES OF VERTICAL INTENSITY

MARCH, 1919

10000 γ plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
1076	1075	1080	1082	1090	1088	1090	1092	1089	1071	22	33	1095	12	03	1034	61	1
1072	1076	1077	1085	1087	1079	1089	1094	1091	1074	20	20	1103	10	27	1039	64	2
995	987	990	995	1002	1005	1009	1015	1020	1027	0	18	1094	12	33	980	114	3
1016	1021	1017	1021	1025	1029	1024	1033	1023	1002	23	00	1033	10	48	942	91	4
1018	1022	1019	1029	1028	1032	1033	1033	1035	1006	24	00	1035	11	33	955	80	5
1018	1022	1025	1030	1032	1034	1035	1039	1039	1012	23	21	1041	10	36	952	89	6
1034	1039	1040	1043	1048	1050	1051	1052	1051	1029	23	00	1052	11	21	988	64	7
1023	1025	1029	1037	1038	1040	1041	1041	1042	1023	0	01	1051	11	48	975	76	8
1021	1027	1036	1039	1041	1042	1043	1043	1044	1026	24	00	1044	12	33	990	54	9
1042	1043	1043	1047	1047	1049	1049	1051	1052	1035	24	00	1052	12	00	1000	52	10
1039	1042	1046	1051	1052	1054	1055	1058	1058	1038	23	24	1059	11	42	1002	57	11
1046	1043	1049	1052	1054	1057	1057	1059	1062	1044	24	00	1062	11	18	1009	53	12
1052	1053	1053	1060	1061	1062	1061	1064	1065	1048	24	00	1065	10	00	1018	47	13
1055	1051	1054	1056	1061	1059	1073	1060	1063	1047	22	00	1073	11	00	1002	71	14
1056	1053	1054	1055	1056	1058	1058	1060	1060	1047	0	01	1063	10	15	1010	53	15
1044	1050	1052	1054	1058	1062	1062	1063	1065	1047	23	18	1066	11	39	1010	56	16
1061	1060	1064	1066	1070	1070	1071	1071	1071	1050	22	54	1072	11	18	1011	61	17
1046	1051	1055	1056	1059	1063	1064	1066	1068	1052	0	01	1071	11	48	1020	51	18
1057	1058	1058	1059	1061	1061	1062	1063	1070	1054	24	00	1070	12	36	1019	51	19
1061	1058	1053	1061	1057	1064	1067	1061	1062	1055	2	20	1072	11	18	1014	58	20
1055	1056	1059	1063	1060	1065	1068	1069	1072	1050	19	27	1075	12	00	1006	69	21
1054	1051	1053	1059	1055	1063	1066	1068	1071	1053	0	01	1072	12	42	1020	52	22
1058	1057	1060	1065	1062	1062	1065	1066	1071	1055	18	51	1073	10	40	1028	45	23
1063	1060	1063	1065	1067	1068	1069	1070	1070	1058	0	01	1071	12	00	1033	38	24
1058	1055	1059	1062	1062	1065	1067	1067	1067	1055	0	30	1071	12	00	1024	47	25
1065	1061	1058	1064	1064	1065	1066	1069	1069	1061	15	42	1071	9	27	1038	33	26
1056	1056	1054	1059	1062	1064	1065	1069	1069	1053	22	08	1070	11	36	1022	48	27
1061	1061	1057	1058	1062	1070	1066	1067	1067	1056	21	06	1071	12	12	1025	46	28
1053	1051	1053	1056	1060	1060	1062	1061	1060	1051	0	01	1067	12	00	1021	46	29
1054	1050	1048	1054	1058	1060	1061	1064	1063	1048	22	54	1065	11	00	1008	57	30
1058	1054	1057	1054	1056	1058	1057	1061	1063	1051	24	00	1063	11	36	1009	54	31
1047	1047	1049	1053	1055	1057	1058	1060	1060	1044	---------		1066	---------		1007	59	-------
1039	1041	1045	1049	1050	1052	1053	1054	1055	1039	---------		1058	---------		1004	54	-------
1064	1063	1064	1070	1070	1072	1076	1077	1077	1061	---------		1083	---------		1022	61	-------

APRIL, 1919

10000 γ plus tabular quantities

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
1052	1051	1049	1052	1053	1053	1056	1060	1060	1049	0	01	1063	11	15	1023	40	1
1066	1056	1049	1050	1051	1051	1051	1053	1053	1052	15	48	1068	11	00	1030	38	2
1044	1041	1040	1044	1048	1049	1050	1053	1054	1039	24	00	1054	11	03	1000	54	3
1042	1040	1040	1039	1040	1043	1043	1043	1043	1034	0	01	1054	11	50	993	61	4
1034	1034	1034	1037	1041	1043	1045	1045	1046	1035	24	00	1046	11	30	1012	34	5
1035	1024	1027	1033	1035	1037	1040	1041	1041	1029	0	01	1046	11	00	990	56	6
1026	1033	1030	1033	1035	1036	1038	1038	1040	1029	0	01	1041	11	30	1005	36	7
1025	1028	1034	1050	1036	1038	1038	1037	1044	1032	19	00	1050	12	20	1014	36	8
1030	1030	1030	1031	1033	1031	1033	1033	1033	1028	2	00	1045	11	09	1003	42	9
1024	1028	1025	1029	1031	1034	1034	1034	1034	1023	23	18	1036	12	00	994	42	10
1027	1025	1024	1024	1025	1028	1029	1030	1032	1023	1	00	1037	11	36	1000	37	11
1023	1027	1022	1023	1025	1027	1031	1032	1038	1020	24	00	1038	11	00	993	45	12
1024	1024	1020	1024	1025	1027	1029	1030	1031	1020	0	01	1038	10	33	997	41	13
1028	1027	1024	1025	1025	1028	1029	1032	1032	1019	23	48	1034	11	36	990	44	14
1027	1030	1027	1027	1030	1031	1035	1035	1035	1021	23	09	1036	11	00	989	47	15
1034	1031	1029	1027	1030	1030	1033	1035	1036	1021	24	00	1036	11	42	988	48	16
1030	1025	1039	1031	1042	1027	1034	1039	1038	1024	20	00	1042	11	00	992	50	17
1039	1035	1031	1033	1034	1034	1035	1036	1036	1029	0	12	1039	12	10	1003	36	18
1025	1029	1030	1031	1031	1034	1036	1039	1040	1025	24	00	1040	11	00	996	44	19
1035	1036	1036	1036	1038	1039	1040	1043	1044	1031	24	00	1044	11	42	1007	37	20
1036	1037	1041	1040	1044	1041	1044	1048	1052	1032	24	00	1052	12	12	1004	48	21
1040	1044	1045	1043	1044	1047	1048	1048	1048	1035	0	01	1052	11	00	996	56	22
1036	1037	1039	1040	1041	1041	1043	1048	1048	1036	20	36	1050	12	00	1000	50	23
1041	1040	1040	1040	1040	1040	1043	1045	1044	1038	0	12	1050	11	09	1018	32	24
1037	1037	1036	1036	1037	1040	1041	1044	1045	1031	0	42	1046	11	09	996	50	25
1036	1036	1036	1037	1039	1041	1043	1044	1047	1037	0	42	1048	11	06	1022	26	26
1038	1038	1038	1037	1040	1044	1046	1048	1050	1036	24	00	1050	11	09	1003	47	27
1044	1045	1044	1042	1044	1048	1050	1051	1053	1038	24	00	1053	10	42	1009	44	28
1040	1038	1038	1041	1044	1046	1050	1050	1054	1037	23	57	1056	11	33	997	59	29
1036	1037	1033	1033	1036	1040	1041	1045	1048	1031	0	01	1054	11	20	993	61	30
1035	1035	1044	1036	1037	1038	1040	1042	1043	1031	---------		1047	---------		1002	45	-------
1037	1037	1036	1037	1039	1042	1043	1045	1046	1034	---------		1047	---------		1007	40	-------
1031	1030	1033	1035	1035	1033	1036	1037	1039	1027	---------		1041	---------		1000	41	-------

HOURLY VALUES OF VERTICAL INTENSITY

MAY, 1919

10000 γ plus tabular quantities

Day.	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h	15 h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1057	1057	1055	1053	1050	1049	1040	1033	1024	1018	1016	1024	1040	1046	1050
2[b]	1059	1059	1058	1058	1058	1059	1062	1053	1036	1036	1010	1018	1042	1050	1068
3[b]	1078	1075	1075	1069	1068	1060	1055	1054	1029	1014	1021	1018	1035	1044	1058
4	1059	1057	1054	1053	1048	1046	1036	1028	1014	1004	1002	1004	1018	1025	1044
5	1067	1060	1059	1059	1056	1056	1052	1043	1025	1003	991	1006	1007	1029	1053
6	1066	1064	1063	1062	1059	1056	1052	1050	1043	1025	1012	1014	1024	1030	1043
7[a]	1077	1075	1071	1069	1067	1064	1057	1046	1032	1028	1018	1025	1039	1058	1072
8[a]	1078	1076	1072	1070	1071	1066	1055	1043	1032	1027	1019	1029	1041	1054	1066
9	1083	1083	1076	1075	1073	1074	1066	1059	1048	1033	1029	1023	1034	1042	1056
10	1087	1088	1085	1083	1081	1080	1075	1069	1055	1038	1027	1027	1032	1056	1071
11[a]	1094	1093	1092	1089	1086	1084	1074	1067	1056	1047	1040	1042	1051	1059	1072
12	1093	1090	1086	1082	1082	1083	1076	1071	1057	1046	1044	1055	1058	1063	1074
13[b]	1089	1087	1085	1079	1079	1080	1069	1055	1039	1033	1032	1044	1039	1069	1082
14	1093	1092	1089	1082	1079	1076	1074	1068	1046	1032	1032	1042	1047	1062	1069
15	1090	1094	1084	1082	1080	1073	1066	1063	1047	1043	1034	1035	1043	1059	1068
16	1087	1085	1082	1080	1076	1074	1066	1057	1039	1025	1022	1019	1030	1055	1072
17	1084	1084	1081	1078	1078	1078	1076	1064	1046	1034	1026	1026	1038	1050	1071
18	1091	1091	1087	1093	1082	1080	1074	1064	1047	1036	1030	1036	1039	1054	1060
19	1090	1089	1086	1086	1085	1087	1077	1066	1056	1046	1035	1030	1053	1062	1074
20	1084	1084	1079	1076	1077	1079	1077	1069	1057	1042	1032	1028	1041	1055	1069
21[b]	1091	1088	1085	1084	1078	1081	1075	1069	1053	1045	1044	1045	1050	1065	1077
22	1106	1098	1087	1084	1082	1076	1079	1076	1074	1074	1033	1042	1050	1063	1063
23	1069	1066	1063	1067	1058	1057	1057	1053	1048	1043	1035	1031	1029	1035	1046
24[b]	1074	1073	1070	1070	1064	1062	1055	1051	1042	1041	1035	1036	1035	1045	1063
25	1056	1055	1053	1048	1045	1045	1047	1047	1044	1039	1033	1033	1035	1044	1055
26	1064	1063	1060	1056	1054	1045	1039	1029	1019	1017	1020	1022	1033	1046	1055
27	1075	1076	1069	1067	1066	1057	1046	1035	1034	1032	1031	1033	1041	1055	1059
28[a]	1051	1044	1041	1033	1031	1022	1011	1005	996	993	993	995	1003	1015	1027
29[a]	1036	1032	1024	1017	1014	1008	1004	993	978	954	954	961	980	998	1009
30	996	994	991	988	986	986	974	959	945	941	939	942	957	970	987
31	1015	1011	1012	1012	1008	1006	999	990	978	970	964	962	972	993	1009
Mean	1072	1070	1067	1065	1062	1060	1054	1046	1034	1024	1018	1021	1030	1044	1056
Mean[a]	1067	1064	1060	1056	1054	1049	1040	1031	1019	1010	1005	1010	1023	1037	1049
Mean[b]	1078	1076	1075	1072	1069	1068	1063	1056	1040	1034	1028	1032	1040	1055	1069

JUNE, 1919

10000 γ plus tabular quantities

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1032	1026	1024	1017	1013	1012	1006	997	979	971	974	981	992	1008	1028
2	1050	1047	1039	1034	1029	1024	1010	1001	983	976	971	982	999	1015	1031
3	1045	1039	1034	1025	1020	1015	1006	1001	991	983	976	985	992	1007	1019
4	1036	1028	1019	1014	1009	1005	996	984	972	960	955	968	980	995	1013
5	1055	1053	1045	1041	1041	1041	1035	1025	1010	1001	991	995	1012	1037	1051
6	1064	1055	1046	1045	1038	1035	1029	1020	1004	999	993	999	1012	1021	1030
7[a]	1059	1054	1048	1042	1039	1038	1029	1018	1003	997	987	992	1002	1014	1036
8[a]	1064	1058	1052	1045	1044	1043	1033	1025	1018	1013	1007	1009	1014	1021	1039
9[b]	1028	1027	1021	1018	1013	1007	997	993	996	984	982	973	972	977	978
10[b]	976	969	968	965	961	960	956	949	945	946	931	927	926	916	917
11[b]	898	897	893	893	892	889	881	867	865	862	862	863	872	874	884
12	907	904	902	897	895	901	896	894	883	868	865	868	874	884	910
13	970	968	963	961	956	945	933	921	909	901	912	917	925	946	967
14	1000	995	987	983	977	975	965	957	952	943	939	941	942	956	973
15	994	990	983	981	979	974	969	954	933	932	934	947	960	966	974
16	972	970	968	963	962	961	956	945	948	943	939	931	933	950	963
17	989	988	987	984	983	985	983	978	969	961	957	952	958	962	980
18	1004	1000	997	995	991	990	986	983	969	965	958	965	977	983	992
19[a]	1002	999	997	993	991	991	989	989	986	981	977	973	974	978	985
20[a]	992	989	988	986	984	981	979	978	975	968	961	959	957	960	962
21	978	978	976	975	973	973	967	965	963	960	954	955	947	955	970
22	995	993	992	989	987	986	982	977	975	970	959	964	968	977	980
23[b]	1000	998	993	989	989	989	985	982	976	967	960	970	979	981	982
24	1007	1005	1004	1004	1000	997	994	991	986	983	981	973	975	978	987
25	1004	1002	999	997	995	991	984	979	978	977	977	968	969	980	986
26[b]	1000	997	994	995	995	992	988	978	962	966	956	950	948	950	953
27	960	959	959	958	958	954	951	947	943	942	935	937	938	951	975
28	996	995	994	991	990	988	980	974	966	955	948	951	972	981	986
29	1020	1016	1010	1004	999	998	990	980	971	965	965	964	970	985	991
30[a]	1007	1003	1001	996	993	992	987	974	969	966	968	972	984	991	998
Mean	1003	1000	996	993	990	988	981	974	966	960	956	958	964	973	985
Mean[a]	1025	1021	1017	1012	1010	1009	1003	997	990	985	980	981	986	993	1004
Mean[b]	980	978	974	972	970	967	961	954	949	945	938	937	939	940	943

[a] Five international quiet days.

[b] Five international disturbed days.

HOURLY VALUES OF VERTICAL INTENSITY

MAY, 1919

10000 γ plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
1050	1048	1046	1046	1049	1053	1054	1058	1062	1045	24	00	1062	11	00	1016	46	1
1076	1077	1067	1070	1065	1073	1074	1067	1073	1057	22	36	1084	11	06	1004	80	2
1061	1061	1062	1061	1061	1061	1062	1061	1057	1054	0	38	1087	11	21	1005	82	3
1055	1061	1061	1061	1062	1062	1065	1065	1065	1044	23	20	1067	11	09	1001	66	4
1057	1067	1062	1061	1063	1063	1067	1067	1070	1048	24	00	1070	11	10	989	81	5
1054	1058	1063	1067	1069	1073	1071	1074	1077	1053	24	00	1077	10	52	1010	67	6
1084	1082	1073	1071	1073	1074	1074	1074	1076	1062	16	00	1084	11	00	1018	66	7
1075	1075	1071	1074	1076	1078	1082	1082	1083	1062	24	00	1083	10	40	1018	65	8
1068	1080	1079	1079	1080	1082	1083	1086	1087	1066	19	32	1092	11	50	1022	70	9
1083	1086	1087	1087	1093	1088	1093	1094	1094	1073	23	50	1095	11	44	1026	69	10
1083	1087	1087	1088	1088	1089	1090	1091	1093	1077	1	00	1094	11	00	1040	54	11
1081	1086	1086	1088	1089	1093	1094	1096	1094	1078	23	10	1097	10	32	1043	54	12
1089	1090	1089	1090	1088	1090	1096	1097	1094	1074	21	45	1103	10	48	1030	73	13
1081	1083	1088	1088	1089	1090	1087	1090	1091	1074	21	15	1094	10	44	1030	64	14
1081	1085	1087	1087	1087	1087	1086	1086	1087	1072	2	00	1094	11	11	1032	62	15
1089	1088	1086	1085	1085	1086	1085	1085	1084	1068	16	00	1089	12	15	1017	72	16
1084	1091	1087	1086	1087	1090	1090	1092	1093	1071	23	35	1094	11	47	1025	69	17
1076	1078	1087	1089	1090	1090	1092	1091	1091	1073	3	50	1097	11	00	1030	67	18
1094	1098	1092	1091	1091	1091	1091	1085	1082	1077	17	00	1098	12	00	1030	68	19
1077	1083	1086	1087	1088	1089	1090	1090	1091	1072	24	00	1091	12	00	1028	63	20
1087	1098	1101	1100	1104	1107	1104	1107	1103	1081	22	55	1108	11	42	1043	65	21
1068	1069	1074	1075	1073	1071	1073	1072	1073	1072	3	30	1121	11	00	1033	88	22
1060	1067	1069	1072	1074	1075	1078	1076	1073	1058	22	10	1079	13	15	1028	51	23
1064	1069	1073	1071	1069	1081	1064	1061	1062	1060	21	03	1082	12	26	1024	58	24
1062	1063	1062	1061	1063	1067	1067	1068	1069	1053	21	22	1071	11	11	1032	39	25
1062	1068	1073	1075	1078	1084	1080	1086	1079	1054	23	22	1088	10	20	1016	72	26
1063	1060	1059	1060	1067	1062	1060	1057	1053	1055	0	16	1079	11	08	1030	49	27
1038	1050	1056	1059	1057	1053	1050	1044	1041	1030	19	00	1059	10	30	992	67	28
1014	1018	1021	1018	1015	1010	1008	1003	1000	1002	0	10	1040	10	30	951	89	29
1004	1013	1016	1017	1019	1019	1018	1018	1017	987	20	45	1020	11	00	939	81	30
1021	1028	1031	1035	1038	1039	1037	1033	1031	1008	21	00	1039	12	00	962	77	31
1066	1070	1070	1071	1072	1073	1073	1073	1072	1057	---------		1082	---------		1015	67	-------
1059	1062	1062	1062	1062	1061	1061	1059	1059	1047	---------		1072	---------		1004	68	-------
1075	1079	1078	1078	1077	1082	1080	1079	1078	1065	---------		1093	---------		1021	72	-------

JUNE, 1919

10000 γ plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
1048	1054	1056	1061	1064	1061	1059	1058	1055	1024	20	00	1064	10	14	969	95	1
1049	1054	1053	1052	1051	1052	1052	1052	1051	1027	17	00	1054	10	56	969	85	2
1032	1037	1044	1045	1047	1049	1049	1049	1043	1022	20	13	1051	11	00	976	75	3
1032	1042	1049	1050	1058	1059	1060	1061	1060	1017	23	38	1063	10	36	954	109	4
1062	1074	1081	1079	1078	1075	1073	1069	1066	1045	18	00	1081	11	00	991	90	5
1050	1063	1067	1068	1068	1067	1067	1068	1063	1040	19	19	1069	10	50	988	81	6
1052	1061	1065	1069	1070	1072	1072	1070	1067	1040	21	12	1073	11	07	986	87	7
1053	1056	1053	1051	1046	1043	1041	1038	1032	1037	0	01	1066	11	16	1006	60	8
985	981	982	977	975	975	977	976	976	990	0	01	1032	12	14	963	69	9
910	909	909	906	903	901	898	898	899	931	0	35	979	21	39	895	84	10
893	899	901	904	903	906	907	904	906	888	21	46	909	11	30	861	48	11
932	945	957	967	969	971	971	971	972	917	24	00	972	11	00	865	107	12
990	1000	1006	1012	1014	1014	1010	1009	1006	965	21	42	1018	10	00	901	117	13
987	996	997	998	1000	1000	1001	1000	998	978	22	00	1001	11	20	938	63	14
978	976	978	986	982	982	981	981	978	970	0	10	998	10	00	932	66	15
966	972	977	982	985	987	988	989	990	964	24	00	990	12	00	931	59	16
986	999	1004	1003	1003	1003	1005	1004	1004	984	18	18	1006	12	00	952	54	17
1003	1008	1008	1007	1005	1004	1003	1002	1002	992	18	10	1009	10	45	957	52	18
996	998	997	996	996	995	995	995	994	990	1	00	1002	12	00	973	29	19
973	977	979	978	978	978	978	980	979	976	0	01	994	13	00	957	37	20
977	984	990	990	992	994	996	996	996	975	23	18	998	12	31	941	57	21
988	998	1000	1001	1002	1003	1002	1001	1002	987	21	00	1003	11	00	959	44	22
989	996	1002	1003	1004	1005	1006	1005	1004	990	22	18	1007	10	55	957	50	23
993	993	1002	1003	1003	1004	1004	1006	1004	995	1	00	1007	11	48	970	37	24
991	996	996	997	998	1001	999	1001	1000	990	1	56	1006	12	49	966	40	25
954	962	962	962	962	963	963	962	961	970	1	00	1000	13	13	937	63	26
985	990	992	995	996	997	999	997	998	967	22	12	1001	10	48	933	68	27
1002	1008	1009	1015	1016	1019	1022	1023	1024	992	23	55	1025	10	42	947	78	28
1001	1003	1003	1004	1006	1008	1008	1008	1008	995	0	46	1021	10	24	963	58	29
1003	1005	1004	1003	1003	1003	1002	1000	1000	993	1	00	1007	10	00	966	41	30
995	1001	1004	1005	1006	1006	1006	1006	1005	988	---------		1017	---------		950	67	-------
1015	1019	1020	1019	1019	1018	1018	1017	1014	1007	---------		1028	---------		977	51	-------
946	949	951	950	949	950	950	949	949	954	---------		985	---------		922	63	-------

HOURLY VALUES OF VERTICAL INTENSITY

JULY, 1919

10000 γ plus tabular quantities

Day.	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h	15 h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 [b]	999	998	998	998	997	999	1000	994	979	965	965	969	972	974	987
2 [b]	997	994	993	987	990	992	987	974	967	959	950	946	947	950	962
3 [b]	968	966	966	966	965	969	975	978	974	960	944	930	928	938	948
4 [a]	966	966	966	965	963	967	960	952	942	940	936	936	941	945	953
5 [a]	993	991	989	987	987	990	982	977	969	967	967	971	976	987	994
6 [a]	1009	1006	1004	1003	1000	999	994	987	977	971	970	973	979	980	988
7	1002	1000	997	994	994	996	989	984	972	965	962	969	982	982	987
8 [b]	1006	1005	1001	1000	1002	997	997	991	977	953	948	956	964	982	994
9 [b]	1002	1002	1000	997	994	997	998	992	991	988	973	976	977	983	995
10	1003	1001	999	995	995	993	992	990	986	980	975	971	973	983	995
11	1015	1015	1013	1011	1011	1012	1005	999	991	984	976	982	990	998	1004
12	1023	1022	1021	1017	1015	1014	1008	1002	987	974	970	978	990	996	1006
13	1023	1023	1020	1018	1016	1018	1012	999	994	988	986	992	992	997	1004
14	1028	1026	1024	1023	1021	1023	1018	1012	1003	997	988	991	995	1006	1014
15 [a]	1024	1022	1019	1017	1017	1016	1010	1001	997	995	993	998	1004	1012	1018
16 [a]	1027	1026	1024	1021	1020	1016	1016	1012	1003	992	977	983	997	1006	1016
17	1023	1021	1021	1018	1017	1016	1010	1002	994	991	994	1001	1007	1008	1014
18	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
19	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
20	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
21	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
22	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
23	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
24	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
25	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
26	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
27	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
28	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
29	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
30	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
31	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Mean	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Mean [a]	1004	1002	1000	999	997	998	992	986	978	973	969	972	979	986	994
Mean [b]	994	993	992	990	990	991	991	986	978	965	956	955	958	965	977

[a] Five international quiet days; July 4 used instead of July 28.

[b] Five international disturbed days; July 1, 2, 3, and 9 used instead of July 17, 18, 22, and 23.

AUGUST, 1919

10000 γ plus tabular quantities

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1041	1040	1039	1038	1037	1036	1030	1020	1015	1003	1004	1010	1013	1016	1023
2	1043	1043	1044	1045	1046	1048	1043	1034	1025	1028	1026	1025	1030	1035	1038
3	1042	1042	1041	1042	1040	1042	1043	1037	1027	1022	1015	1024	1028	1028	1029
4	1044	1043	1045	1044	1043	1044	1040	1034	1027	1022	1021	1018	1020	1025	1031
5	1043	1040	1041	1040	1040	1041	1041	1037	1030	1023	1013	1014	1016	1019	1024
6 [a]	1039	1038	1039	1039	1041	1042	1042	1044	1045	1044	1038	1031	1033	1032	1041
7	1042	1042	1044	1042	1043	1042	1036	1028	1020	1017	1015	1017	1021	1027	1033
8	1041	1040	1042	1040	1040	1041	1036	1028	1027	1019	1015	1017	1021	1031	1031
9 [a]	1040	1040	1040	1040	1040	1040	1029	1023	1017	1010	1017	1023	1025	1031	1039
10	1039	1040	1041	1041	1040	1040	1031	1020	1014	1005	1003	1014	1022	1032	1039
11 [b]	1038	1037	1037	1035	1039	1041	1032	1023	1009	1000	1001	1004	1009	1016	1085
12 [b]	1056	1070	1067	1058	1057	1052	1048	1063	1015	1063	1054	1046	1064	1083	1064
13 [a]	1056	1055	1054	1056	1057	1058	1052	1043	1019	1010	1008	1012	1028	1040	1044
14 [a]	1049	1049	1050	1050	1052	1047	1040	1039	1036	1033	1024	1021	1015	1015	1019
15	1052	1054	1054	1054	1056	1061	1060	1053	1042	1031	1026	1025	1033	1035	1040
16	1055	1055	1055	1059	1058	1061	1059	1054	1045	1043	1041	1035	1034	1031	1033
17	1054	1054	1054	1054	1054	1055	1056	1053	1052	1048	1041	1039	1031	1037	1038
18	1045	1045	1045	1045	1046	1047	1044	1045	1040	1039	1030	1027	1028	1029	1030
19 [b]	1042	1041	1042	1042	1044	1044	1043	1043	1042	1045	1038	1022	1024	1023	1033
20 [b]	1043	1044	1044	1044	1047	1047	1046	1045	1042	1038	1029	1022	1026	1034	1035
21	1050	1049	1050	1049	1052	1052	1049	1045	1036	1024	1023	1024	1025	1028	1030
22	1046	1046	1046	1046	1048	1051	1048	1043	1031	1018	1016	1013	1015	1021	1029
23	1045	1045	1045	1046	1048	1049	1043	1037	1032	1027	1018	1018	1024	1030	1035
24	1047	1046	1045	1044	1046	1046	1043	1032	1025	1019	1019	1022	1025	1021	1025
25	1044	1044	1046	1047	1049	1050	1041	1032	1026	1023	1022	1023	1024	1027	1029
26	1053	1053	1053	1053	1054	1056	1043	1031	1020	1022	1023	1024	1033	1047	1053
27	1056	1058	1059	1058	1059	1058	1046	1038	1028	1023	1020	1026	1044	1049	1061
28 [b]	1058	1058	1059	1059	1061	1064	1056	1052	1040	1030	1022	1026	1026	1029	1035
29	1054	1055	1055	1054	1056	1059	1050	1049	1043	1029	1023	1022	1027	1037	1047
30	1049	1049	1049	1050	1051	1053	1047	1041	1035	1033	1022	1016	1026	1031	1038
31 [a]	1053	1053	1053	1055	1055	1055	1049	1044	1037	1026	1025	1026	1034	1041	1051
Mean	1047	1047	1048	1047	1048	1049	1044	1039	1030	1026	1022	1022	1027	1032	1038
Mean [a]	1047	1047	1047	1048	1049	1048	1042	1039	1031	1025	1022	1023	1027	1032	1039
Mean [b]	1047	1050	1050	1048	1050	1050	1045	1045	1030	1035	1029	1024	1030	1037	1050

[a] Five international quiet days.

[b] Five international disturbed days.

HOURLY VALUES OF VERTICAL INTENSITY

JULY, 1919 · 10000 γ plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
991	1001	1002	1003	1001	1002	999	999	997	991	21	09	1005	10	10	962	43	1
974	978	974	973	968	969	969	968	968	972	0	15	998	12	45	943	55	2
956	963	966	972	971	972	968	969	967	962	8	00	978	12	40	926	52	3
966	976	983	987	989	990	991	992	992	965	22	40	993	11	45	932	61	4
996	999	1003	1008	1008	1008	1009	1009	1008	991	22	10	1010	10	06	966	44	5
995	1000	1004	1003	1002	1002	1002	1002	1002	994	1	00	1009	11	00	970	39	6
998	1007	1011	1010	1009	1008	1009	1009	1007	993	18	00	1011	11	10	961	50	7
1001	1003	1010	1009	1003	1005	1006	1003	1003	992	18	00	1010	11	00	948	62	8
997	1004	1004	1006	1006	1007	1007	1006	1005	996	20	33	1009	11	06	971	38	9
1004	1011	1012	1016	1016	1016	1016	1016	1016	998	23	18	1017	12	00	971	46	10
1008	1015	1021	1023	1024	1025	1025	1025	1025	1008	23	48	1027	10	51	974	53	11
1014	1022	1027	1024	1026	1026	1025	1024	1023	1010	18	10	1029	11	00	970	59	12
1013	1021	1027	1028	1029	1030	1025	1029	1030	1013	22	18	1032	11	00	986	46	13
1023	1022	1023	1022	1023	1024	1026	1027	1025	1016	0	01	1030	11	48	984	46	14
1024	1024	1027	1028	1028	1028	1029	1029	1028	1016	21	18	1030	11	18	991	39	15
1021	1021	1023	1026	1024	1022	1024	1026	1025	1014	0	01	1027	11	00	977	50	16
1014	1016	1018	------	------	------	------	------	------	------	------		------	------		------	------	17
------	------	------	------	------	------	------	------	------	------	------		------	------		------	------	18
------	------	------	------	------	------	------	------	------	------	------		------	------		------	------	19
------	------	------	------	------	------	------	------	------	------	------		------	------		------	------	20
------	------	------	------	------	------	------	------	------	------	------		------	------		------	------	21
------	------	------	------	------	------	------	------	------	------	------		------	------		------	------	22
------	------	------	------	------	------	------	------	------	------	------		------	------		------	------	23
------	------	------	------	------	------	------	------	------	------	------		------	------		------	------	24
------	------	------	------	------	------	------	------	------	------	------		------	------		------	------	25
------	------	------	------	------	------	------	------	------	------	------		------	------		------	------	26
------	------	------	------	------	------	------	------	------	------	------		------	------		------	------	27
------	------	------	------	------	------	------	------	------	------	------		------	------		------	------	28
------	------	------	------	------	------	------	------	------	------	------		------	------		------	------	29
------	------	------	------	------	------	------	------	------	------	------		------	------		------	------	30
------	------	------	------	------	------	------	------	------	------	------		------	------		------	------	31
1000	1004	1008	1010	1010	1010	1011	1012	1011	996	----------		1014	----------		967	47	-------
984	990	991	993	990	991	990	989	988	983	----------		1000	----------		950	50	-------

AUGUST, 1919 10000 γ plus tabular quantities

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
1035	1039	1040	1038	1039	1040	1040	1042	1042	1030	20	16	1043	10	20	1002	41	1
1043	1041	1038	1037	1039	1039	1040	1040	1043	1038	6	27	1051	11	26	1021	30	2
1036	1039	1040	1039	1039	1040	1041	1042	1042	1036	7	00	1043	10	24	1013	30	3
1034	1033	1034	1035	1037	1038	1039	1042	1041	1035	3	00	1045	12	00	1018	27	4
1031	1032	1033	1032	1035	1039	1035	1037	1037	1032	1	28	1045	11	00	1013	32	5
1041	1041	1037	1036	1037	1039	1040	1041	1041	1039	9	27	1047	11	50	1030	17	6
1038	1039	1038	1035	1039	1040	1040	1040	1040	1034	5	27	1045	11	00	1015	30	7
1036	1036	1034	1033	1034	1037	1036	1037	1038	1033	2	40	1043	11	05	1013	30	8
1041	1040	1035	1036	1036	1037	1036	1037	1038	1033	16	00	1041	10	00	1010	31	9
1038	1037	1030	1033	1035	1035	1036	1036	1038	1031	5	33	1043	10	30	1002	41	10
1027	1024	1070	1080	1066	1038	1015	1038	1050	1034	23	44	1165	16	09	954	211	11
1051	1057	1054	1054	1057	1057	1056	1057	1057	1057	0	48	1122	9	00	1015	107	12
1046	1046	1045	1046	1046	1046	1046	1046	1047	1042	0	16	1063	11	00	1008	55	13
1035	1044	1047	1046	1047	1048	1050	1050	1051	1040	4	50	1053	12	20	1013	40	14
1047	1051	1050	1050	1051	1051	1051	1052	1053	1047	6	00	1061	11	50	1024	37	15
1039	1044	1045	1048	1048	1049	1051	1052	1054	1048	6	00	1061	12	25	1030	31	16
1047	1048	1047	1044	1043	1044	1045	1045	1045	1047	7	00	1056	12	55	1030	26	17
1031	1033	1035	1038	1040	1039	1040	1041	1042	1038	6	00	1047	12	18	1026	21	18
1034	1038	1045	1045	1039	1047	1050	1047	1041	1040	22	00	1050	12	20	1019	31	19
1041	1043	1044	1047	1049	1047	1049	1052	1051	1042	22	50	1053	12	00	1022	31	20
1033	1036	1039	1042	1043	1043	1043	1045	1045	1040	5	45	1054	11	00	1023	31	21
1029	1034	1037	1040	1041	1041	1040	1043	1044	1036	5	40	1053	12	00	1013	40	22
1039	1043	1041	1041	1041	1042	1043	1042	1045	1038	5	47	1050	11	25	1016	34	23
1031	1036	1036	1038	1039	1039	1040	1041	1043	1035	5	36	1048	10	40	1018	30	24
1035	1036	1040	1044	1047	1047	1048	1051	1052	1039	5	40	1053	11	12	1021	32	25
1055	1053	1050	1051	1052	1053	1059	1058	1056	1046	21	55	1060	9	00	1020	40	26
1063	1060	1055	1055	1056	1056	1056	1058	1059	1050	15	36	1064	10	54	1019	45	27
1044	1046	1046	1047	1049	1059	1050	1053	1054	1047	5	45	1065	11	00	1022	43	28
1049	1046	1043	1044	1043	1043	1046	1048	1049	1045	6	00	1059	11	30	1018	41	29
1044	1046	1047	1048	1050	1051	1052	1052	1051	1043	6	00	1053	12	00	1016	37	30
1056	1057	1054	1053	1055	1056	1056	1056	1057	1048	17	10	1058	11	00	1025	33	31
1040	1042	1043	1044	1044	1045	1044	1046	1047	1040	----------		1058	----------		1016	42	-------
1044	1046	1044	1043	1044	1045	1046	1046	1047	1040	----------		1052	----------		1017	35	-------
1039	1042	1052	1055	1052	1050	1044	1049	1051	1044	----------		1091	----------		1006	85	-------

HOURLY VALUES OF VERTICAL INTENSITY

SEPTEMBER, 1919

10000 γ plus tabular quantities

Day.	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h	15 h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 [a]	1057	1057	1057	1057	1057	1058	1055	1048	1039	1031	1029	1035	1039	1048	1054
2 [b]	1056	1057	1057	1057	1057	1059	1059	1055	1045	1044	1039	1027	1029	1030	1037
3	1048	1049	1052	1052	1053	1055	1055	1053	1049	1036	1025	1018	1018	1026	1032
4	1045	1047	1047	1047	1048	1049	1048	1036	1028	1017	1013	1020	1022	1032	1038
5 [a]	1047	1049	1050	1048	1049	1053	1048	1046	1035	1027	1020	1024	1028	1033	1040
6 [b]	1047	1047	1048	1048	1048	1051	1047	1040	1039	1031	1027	1027	1030	1036	1038
7	1053	1051	1051	1050	1048	1051	1048	1043	1040	1035	1029	1034	1032	1034	1035
8	1049	1048	1049	1049	1049	1051	1049	1042	1036	1028	1019	1021	1024	1029	1038
9	1049	1048	1048	1048	1049	1049	1041	1038	1025	1023	1017	1021	1027	1036	1042
10	1049	1052	1052	1054	1054	1055	1049	1046	1035	1028	1028	1029	1036	1046	1051
11	1050	1049	1049	1049	1051	1052	1048	1043	1036	1022	1020	1022	1027	1031	1039
12 [a]	1049	1048	1048	1047	1046	1049	1046	1044	1034	1026	1023	1025	1034	1040	1052
13	1050	1050	1049	1049	1048	1049	1046	1042	1034	1024	1020	1022	1029	1039	1043
14	1048	1049	1047	1048	1049	1051	1052	1047	1037	1019	1006	1008	1015	1025	1036
15	1051	1050	1050	1049	1049	1051	1050	1046	1035	1021	1014	1013	1017	1022	1037
16	1050	1050	1052	1048	1049	1050	1050	1047	1037	1023	1023	1025	1032	1043	1052
17	1057	1056	1057	1058	1057	1059	1052	1042	1039	1034	1032	1031	1032	1037	1043
18	1053	1053	1052	1052	1053	1052	1050	1046	1041	1038	1034	1038	1036	1041	1047
19 [b]	1054	1055	1055	1055	1054	1055	1053	1054	1046	1042	1037	1033	1036	1044	1052
20 [b]	1063	1063	1066	1060	1058	1059	1054	1053	1050	1047	1049	1046	1048	1054	1056
21	1062	1061	1062	1061	1061	1062	1058	1053	1044	1043	1044	1047	1050	1053	1056
22	1066	1066	1066	1065	1065	1065	1058	1054	1044	1039	1038	1041	1045	1053	1056
23	1064	1064	1065	1066	1064	1068	1064	1055	1045	1035	1036	1037	1043	1054	1062
24 [b]	1073	1073	1073	1073	1070	1069	1064	1056	1046	1034	1034	1040	1042	1048	1049
25	1076	1074	1074	1074	1073	1073	1068	1061	1051	1038	1041	1052	1064	1070	1074
26	1075	1076	1075	1075	1076	1076	1072	1067	1061	1057	1054	1058	1066	1074	1077
27	1069	1079	1078	1077	1077	1078	1066	1061	1049	1037	1033	1040	1052	1063	1072
28 [a]	1083	1083	1083	1082	1083	1083	1079	1076	1070	1067	1059	1059	1066	1072	1077
29	1084	1082	1082	1083	1083	1085	1081	1076	1067	1061	1057	1057	1063	1070	1074
30 [a]	1081	1081	1082	1082	1083	1083	1080	1074	1067	1054	1047	1050	1060	1071	1078
Mean	1059	1059	1059	1059	1059	1060	1056	1051	1043	1035	1032	1033	1038	1045	1051
Mean [a]	1063	1064	1064	1063	1064	1065	1062	1058	1049	1041	1036	1039	1045	1053	1060
Mean [b]	1059	1055	1060	1059	1057	1059	1055	1052	1045	1040	1037	1035	1037	1042	1046

[a] Five international quiet days.

[b] Five international disturbed days.

OCTOBER, 1919

10000 γ plus tabular quantities

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1088	1087	1087	1087	1087	1089	1087	1083	1074	1061	1056	1058	1065	1073	1077
2	1082	1082	1081	1082	1084	1091	1090	1088	1084	1077	1069	1069	1073	1081	1081
3 [b]	1083	1084	1082	1082	1083	1085	1084	1082	1076	1069	1067	1065	1065	1070	1072
4 [b]	1080	1080	1081	1082	1082	1082	1081	1079	1075	1071	1068	1070	1072	1074	1077
5 [b]	1074	1074	1077	1077	1078	1078	1078	1074	1072	1056	1061	1063	1068	1073	1071
6 [b]	1083	1082	1079	1080	1078	1078	1074	1069	1072	1064	1063	1063	1071	1075	1079
7	1081	1083	1083	1081	1079	1081	1080	1077	1074	1065	1057	1056	1064	1072	1074
8	1081	1080	1081	1081	1079	1080	1081	1079	-------	-------	1062	1064	-------	-------	-------
9	1083	1083	1082	1082	1082	1083	-------	-------	1073	1067	1061	1064	1072	1077	1078
10	1083	1083	1082	1082	1082	1081	-------	1074	1071	1065	1062	1067	1073	1078	1083
11	1082	1082	1081	1080	1080	1080	-------	1079	1074	1064	1056	1063	1072	1081	1088
12	1085	1085	1084	1083	1082	-------	-------	-------	1071	1054	1050	1046	1054	1064	1072
13	1085	1084	1085	1083	1083	-------	-------	-------	1073	1058	1055	1052	1061	1067	1075
14 [a]	1085	1084	1084	1084	1086	1087	1087	1086	1079	1071	1068	1069	1074	1078	1083
15	1084	1084	1084	1084	1084	1084	1085	1082	1079	1067	1063	1065	1069	1072	1076
16	1081	1082	1083	1085	1083	1082	1080	1078	1074	1070	1070	1074	1077	1082	1084
17	1083	1083	1083	1084	1084	1082	1081	1081	1077	1074	1072	1072	1073	1076	1077
18	1086	1085	1087	1083	1086	1084	1081	1083	1082	1081	1079	1079	1081	1081	1084
19	1086	1086	1086	1086	1086	1086	1083	1081	1076	1073	1069	1071	1075	1077	1078
20 [a]	1084	1083	1083	1083	1083	1082	1083	1081	1076	1072	1069	1073	1079	1083	1085
21 [a]	1083	1084	1083	1083	1081	1081	1078	1074	1070	1068	1068	1075	1076	1081	1083
22	1083	1081	1080	1079	1079	1079	1075	1071	1064	1062	1057	1061	1068	1071	1073
23	1084	1084	1085	1084	1083	1082	1079	1073	1069	1071	1069	1071	1076	1088	1089
24 [a]	1084	1084	1084	1082	1082	1081	1079	1074	1068	1064	1063	1063	1071	1078	1084
25 [a]	1087	1086	1087	1086	1087	1088	1088	1080	1071	1064	1060	1067	1069	1076	1081
26	1085	1085	1085	1084	1084	1083	1082	1073	1063	1054	1052	1060	1067	1075	1082
27	1084	1083	1084	1085	1085	1084	1082	1077	1066	1059	1056	1062	1070	1074	1076
28 [b]	1078	1078	1078	1076	1077	1076	1075	1074	1067	1063	1062	1061	1071	1075	1078
29	1080	1078	1082	1078	1078	1076	1075	1072	1068	1065	1061	1061	1062	1066	1070
30	1079	1080	1080	1080	1081	1079	1078	1077	1074	1071	1065	1065	1068	1072	1075
31	1080	1079	1078	1077	1077	1077	1075	1074	1064	1056	1050	1050	1054	1060	1069
Mean	1083	1083	1083	1082	1082	1082	1080	1078	1073	1066	1063	1065	1070	1075	1078
Mean [a]	1085	1084	1084	1084	1084	1084	1083	1079	1073	1068	1066	1069	1074	1079	1083
Mean [b]	1080	1080	1079	1079	1080	1080	1078	1076	1072	1065	1064	1064	1069	1073	1075

[a] Five international quiet days; October 20 and 24 used instead of October 12 and 13.

[b] Five international disturbed days; October 6 used instead of October 1.

HOURLY VALUES OF VERTICAL INTENSITY

SEPTEMBER, 1919

10000 γ plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
1057	1056	1055	1054	1054	1054	1054	1055	1056	1051	6	00	1058	11	10	1027	31	1
1045	1045	1041	1041	1042	1042	1043	1045	1043	1046	6	50	1060	12	05	1026	34	2
1039	1043	1042	1042	1041	1044	1045	1047	1046	1042	3	34	1058	12	11	1014	44	3
1041	1045	1044	1045	1046	1048	1049	1050	1051	1040	24	00	1051	11	00	1013	38	4
1042	1044	1043	1043	1044	1046	1048	1049	1049	1042	5	50	1054	10	42	1019	35	5
1042	1042	1041	1044	1047	1052	1050	1050	1052	1043	21	24	1053	11	12	1025	28	6
1039	1041	1041	1042	1043	1047	1047	1046	1046	1043	1	07	1054	11	11	1020	34	7
1044	1044	1045	1045	1046	1047	1046	1048	1048	1041	6	00	1051	11	00	1019	32	8
1043	1042	1040	1042	1043	1045	1047	1046	1049	1040	2	45	1050	11	20	1015	35	9
1049	1046	1043	1043	1045	1047	1047	1049	1049	1045	5	46	1057	10	45	1027	30	10
1046	1046	1045	1045	1045	1045	1045	1047	1049	1042	5	25	1053	10	57	1019	34	11
1051	1049	1046	1047	1046	1047	1048	1049	1049	1043	15	00	1052	11	00	1023	29	12
1047	1046	1044	1045	1045	1045	1044	1045	1045	1042	0	24	1051	11	00	1020	31	13
1047	1048	1046	1047	1047	1048	1048	1052	1052	1040	1	42	1053	11	12	1002	51	14
1046	1047	1047	1047	1047	1049	1049	1051	1050	1041	1	45	1052	10	27	1012	40	15
1053	1051	1048	1049	1049	1047	1050	1050	1051	1045	16	30	1056	10	27	1022	34	16
1048	1047	1045	1049	1048	1049	1050	1049	1052	1047	3	03	1061	9	33	1030	31	17
1047	1045	1044	1047	1048	1048	1050	1051	1050	1046	2	30	1054	11	24	1031	23	18
1054	1054	1054	1057	1059	1057	1058	1058	1063	1051	24	00	1063	12	00	1033	30	19
1055	1054	1060	1054	1054	1060	1060	1062	1061	1056	3	00	1066	11	45	1043	23	20
1061	1061	1061	1064	1064	1064	1064	1064	1065	1058	11	42	1067	9	42	1041	26	21
1060	1059	1060	1062	1062	1063	1062	1063	1063	1057	5	30	1067	10	30	1036	31	22
1070	1070	1067	1068	1070	1070	1070	1072	1073	1060	24	00	1073	10	00	1035	38	23
1064	1065	1066	1066	1069	1069	1074	1069	1072	1061	4	24	1077	10	09	1033	44	24
1073	1070	1070	1073	1074	1075	1075	1075	1075	1068	1	00	1076	10	25	1035	41	25
1077	1075	1074	1075	1078	1076	1078	1080	1078	1072	23	00	1080	11	42	1051	29	26
1077	1075	1072	1077	1079	1081	1082	1083	1084	1068	23	42	1085	10	42	1032	53	27
1077	1075	1075	1076	1077	1078	1078	1080	1081	1076	0	01	1084	11	30	1057	27	28
1076	1073	1072	1073	1074	1074	1075	1076	1078	1074	5	45	1086	11	15	1056	30	29
1080	1076	1074	1074	1076	1078	1081	1083	1084	1074	24	00	1084	11	00	1047	37	30
1055	1054	1054	1055	1055	1056	1057	1058	1059	1052	---------		1063	---------		1029	34	-------
1061	1060	1059	1059	1059	1061	1062	1063	1064	1057	---------		1066	---------		1034	32	-------
1052	1052	1052	1052	1054	1056	1057	1057	1058	1051	---------		1064	---------		1032	32	-------

OCTOBER, 1919

10000 γ plus tabular quantities

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
1077	1077	1075	1078	1080	1081	1081	1083	1083	1078	0	06	1090	11	00	1056	34	1
1080	1077	1075	1075	1077	1077	1079	1080	1081	1080	6	00	1091	11	18	1066	25	2
1073	1077	1076	1076	1077	1077	1078	1078	1078	1077	6	00	1085	12	33	1062	23	3
1073	1069	1069	1069	1071	1071	1072	1074	1070	1075	0	42	1084	11	00	1068	16	4
1075	1074	1074	1073	1074	1080	1082	1070	1073	1073	22	45	1092	9	57	1053	39	5
1075	1078	1076	1078	1079	1079	1080	1080	1081	1076	0	39	1084	12	03	1061	23	6
1076	1075	1075	1076	1077	1077	1079	1078	1079	1075	3	03	1085	11	36	1054	31	7
-------	1081	1080	1079	1081	1081	1082	1082	1082	-------	---------		-------	---------		-------	-------	8
1078	1078	1078	1079	1079	1082	1081	1084	1083	-------	---------		-------	---------		-------	-------	9
1084	1084	1083	1084	1083	1083	1083	1083	1082	-------	---------		-------	---------		-------	-------	10
1086	1080	1081	1081	1082	1081	1082	1082	1082	-------	---------		-------	---------		-------	-------	11
1080	1078	1078	1080	1083	1083	1084	1085	1085	-------	---------		-------	---------		-------	-------	12
1077	1078	1076	1077	1079	1080	1083	1084	1084	-------	---------		-------	---------		-------	-------	13
1084	1081	1082	1085	1084	1084	1084	1084	1084	1082	6	06	1088	11	00	1068	20	14
1076	1076	1078	1079	1081	1081	1083	1084	1082	1078	7	00	1085	11	18	1061	24	15
1085	1081	1085	1085	1085	1085	1086	1085	1085	1081	22	00	1086	10	24	1068	18	16
1077	1077	1079	1081	1082	1084	1084	1084	1085	1080	24	00	1085	11	20	1070	15	17
1083	1083	1082	1082	1083	1083	1084	1085	1086	1083	3	00	1087	11	23	1077	10	18
1078	1077	1078	1080	1082	1083	1082	1082	1083	1080	0	01	1087	11	00	1069	18	19
1084	1079	1082	1082	1082	1082	1082	1082	1083	1081	15	00	1085	11	00	1069	16	20
1083	1082	1083	1083	1082	1082	1081	1082	1082	1080	2	06	1085	10	57	1067	18	21
1074	1077	1080	1079	1083	1083	1084	1084	1083	1075	21	18	1086	11	24	1055	31	22
1090	1084	1083	1083	1084	1084	1085	1084	1084	1081	15	48	1092	11	10	1066	26	23
1087	1084	1085	1088	1089	1090	1089	1089	1086	1080	20	54	1091	11	20	1061	30	24
1082	1082	1082	1083	1084	1084	1085	1084	1085	1080	6	10	1089	11	00	1060	29	25
1083	1082	1082	1083	1084	1083	1083	1084	1083	1078	0	03	1086	11	39	1050	36	26
1074	1072	1074	1075	1076	1076	1077	1078	1077	1075	3	54	1087	10	24	1052	35	27
1082	1078	1077	1078	1077	1083	1078	1078	1078	1075	21	10	1085	11	10	1060	25	28
1074	1075	1075	1078	1078	1078	1079	1079	1079	1074	3	00	1082	11	39	1060	22	29
1077	1075	1075	1076	1077	1078	1078	1079	1080	1076	5	00	1081	11	18	1063	18	30
1072	1072	1073	1073	1073	1074	1077	1078	1078	1070	0	06	1081	11	33	1049	32	31
1079	1078	1078	1079	1080	1081	1082	1082	1081	1078	---------		1086	---------		1062	24	-------
1084	1082	1083	1084	1084	1084	1084	1084	1084	1081	---------		1088	---------		1065	23	-------
1076	1075	1074	1075	1076	1078	1078	1076	1076	1075	---------		1086	---------		1061	25	-------

HOURLY VALUES OF VERTICAL INTENSITY

NOVEMBER, 1919

10000 γ plus tabular quantities

Day.	1 h	2 h	3 h	4 h	5 h	6 h	7 h	8 h	9 h	10 h	11 h	12 h	13 h	14 h	15 h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1079	1079	1078	1077	1077	1076	1074	1070	1062	1056	1054	1060	1065	1070	1070
2	1075	1076	1075	1075	1074	1072	1069	1066	1060	1057	1059	1059	1061	1065	1069
3	1080	1080	1078	1079	1078	1077	1077	1076	1073	1064	1061	1060	1066	1072	1077
4 b	1088	1088	1088	1087	1085	1083	1081	1081	1079	1072	1070	1066	1066	1073	1080
5	1089	1089	1091	1090	1090	1088	1087	1081	1077	1077	1077	1078	1079	1081	1085
6	1090	1090	1090	1090	1091	1092	1091	1082	1072	1066	1065	1070	1078	1081	1087
7 a	1092	1091	1091	1092	1090	1090	1090	1083	1072	1060	1064	1071	1078	1079	1080
8	1089	1089	1089	1090	1090	1091	1090	1084	1080	1076	1072	1076	1079	1082	1083
9 a	1096	1096	1096	1095	1095	1093	1092	1090	1083	1080	1076	1079	1079	1083	1089
10	1096	1096	1095	1093	1095	1095	1091	1090	1081	1077	1077	1074	1081	1084	1093
11 b	1092	1090	1091	1091	1091	1091	1091	1091	1085	1079	1069	1067	1075	1079	1087
12	1097	1091	1093	1093	1093	1094	1093	1093	1084	1078	1077	1078	1082	1088	1090
13	1092	1091	1092	1092	1091	1092	1094	1093	1093	1089	1083	1080	1077	1080	1086
14 a	1093	1092	1092	1092	1090	1090	1093	1093	1089	1080	1076	1068	1070	1076	1082
15	1092	1090	1090	1090	1089	1089	1089	1089	1087	1083	1077	1078	1083	1084	1087
16 b	1094	1093	1091	1091	1090	1090	1090	1086	1083	1081	1079	1078	1082	1081	1081
17 b	1094	1092	1094	1092	1089	1093	1089	1089	1083	1078	1075	1074	1076	1082	1089
18	1095	1094	1094	1093	1093	1092	1089	1086	1083	1079	1075	1084	1075	1079	1081
19 a	1082	1079	1082	1082	1082	1081	1078	1075	1070	1069	1069	1068	1074	1077	1084
20 a	1089	1087	1086	1085	1085	1086	1086	1086	1085	1079	1076	1074	1075	1078	1084
21	1087	1087	1087	1086	1085	1086	1085	1081	1078	1075	1074	1077	1078	1078	1081
22 b	1087	1085	1086	1086	1086	1086	1085	1085	1077	1068	1062	1061	1069	1074	1082
23	1085	1078	1077	1076	1076	1077	1075	1073	1068	1068	1073	1075	1077	1079	1083
24	1084	1085	1084	1082	1082	1082	1080	1078	1074	1071	1071	1075	1075	1077	1078
25	1077	1076	1074	1074	1075	1075	1070	1069	1066	1062	1055	1057	1062	1072	1075
26	1076	1075	1074	1072	1070	1068	1068	1067	1066	1057	1051	1045	1050	1066	1074
27	1081	1080	1080	1079	1077	1077	1076	1075	1071	1066	1063	1064	1072	1076	1079
28	1080	1080	1080	1079	1078	1077	1076	1075	1074	1070	1068	1068	1075	1076	1076
29	1086	1086	1086	1085	1085	1085	1084	1084	1080	1077	1070	1068	1066	1069	1074
30	1085	1084	1085	1084	1084	1083	1079	1076	1075	1067	1061	1056	1058	1065	1071
Mean	1087	1086	1086	1086	1085	1085	1084	1082	1077	1072	1069	1070	1073	1077	1081
Mean a	1090	1089	1089	1089	1088	1088	1088	1085	1080	1074	1072	1072	1075	1079	1084
Mean b	1091	1090	1090	1089	1088	1089	1087	1086	1081	1076	1071	1069	1074	1078	1084

a Five international quiet days.

b Five international disturbed days.

DECEMBER, 1919

10000 γ plus tabular quantities

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1 a	1078	1077	1076	1076	1077	1077	1076	1073	1068	1061	1058	1054	1058	1065	1074
2	1077	1076	1076	1076	1076	1076	1073	1068	1066	1061	1058	1058	1063	1067	1076
3 b	1073	1072	1072	1070	1070	1069	1069	1075	1074	1069	1065	1062	1064	1069	1074
4	1076	1075	1073	1070	1069	1068	1068	1068	1068	1065	1058	1055	1059	1066	1068
5	1069	1068	1068	1067	1066	1067	1061	1060	1059	1053	1055	1052	1056	1065	1068
6	1073	1072	1072	1069	1068	1068	1067	1067	1066	1065	1060	1062	1065	1072	1075
7	1079	1077	1077	1076	1074	1073	1073	1071	1065	1060	1060	1068	1071	1075	1076
8	1077	1077	1077	1075	1074	1072	1071	1066	1065	1060	1059	1066	1074	1079	1079
9	1081	1079	1079	1079	1079	1080	1077	1071	1069	1061	1060	1063	1066	1072	1075
0	1079	1079	1078	1078	1078	1076	1072	1067	1067	1065	1060	1063	1065	1070	1075
11	1080	1080	1079	1075	1075	1074	1072	1067	1064	1063	1058	1051	1056	1064	1070
12	1073	1073	1073	1072	1070	1067	1067	1066	1063	1057	1053	1043	1043	1050	1060
13	1080	1079	1078	1075	1073	1073	1070	1067	1065	1067	1059	1062	1060	1068	1072
14 b	1080	1080	1080	1079	1079	1078	1074	1073	1072	1071	1067	1072	1056	1058	1064
15 b	1079	1078	1075	1073	1073	1072	1071	1071	1073	1074	1069	1059	1057	1062	1067
16	1074	1072	1071	1069	1070	1067	1064	1057	1055	1053	1053	1054	1057	1058	1061
17 a	1070	1069	1067	1067	1065	1065	1064	1063	1063	1061	1057	1058	1059	1066	1071
18	1080	1078	1077	1074	1074	1073	1071	1070	1067	1064	1061	1057	1057	1061	1066
19	1073	1072	1071	1070	1067	1066	1067	1067	1066	1064	1057	1058	1063	1070	1074
20	1075	1074	1074	1074	1071	1070	1067	1066	1066	1065	1058	1054	1053	1059	1064
21	1074	1073	1073	1073	1073	1071	1069	1067	1065	1063	1061	1065	1071	1072	1077
22 b	1079	1079	1078	1078	1075	1073	1072	1070	1067	1064	1061	1062	1064	1070	1073
23	1078	1075	1074	1074	1074	1074	1073	1071	1067	1064	1058	1059	1063	1070	1072
24 b	1077	1074	1074	1073	1072	1070	1069	1071	1070	1066	1063	1061	1063	1070	1074
25	1080	1080	1076	1074	1073	1073	1071	1068	1066	1065	1065	1066	1070	1073	1081
26 a	1081	1079	1078	1076	1076	1074	1072	1070	1066	1063	1057	1055	1062	1064	1070
27	1078	1076	1074	1074	1074	1074	1073	1074	1070	1063	1049	1041	1052	1060	1065
28 a	1081	1080	1079	1076	1074	1073	1073	1072	1070	1064	1056	1053	1064	1073	1081
29 a	1079	1078	1076	1074	1074	1073	1071	1072	1071	1064	1047	1035	1036	1043	1057
30	1064	1064	1062	1061	1060	1060	1060	1060	1057	1049	1038	1036	1032	1047	1057
31	1055	1055	1054	1054	1054	1054	1054	1057	-------	1056	1054	1043	1043	1046	1053
Mean	1076	1075	1074	1073	1072	1071	1069	1068	1066	1063	1058	1056	1059	1065	1070
Mean a	1078	1077	1075	1074	1073	1072	1071	1070	1068	1063	1055	1051	1056	1062	1071
Mean b	1078	1077	1076	1075	1074	1072	1071	1072	1071	1069	1065	1063	1061	1066	1070

a Five international quiet days; December 28 used instead of December 31.

b Five international disturbed days.

HOURLY VALUES OF VERTICAL INTENSITY

NOVEMBER, 1919

10000 γ plus tabular quantities

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
1071	1072	1075	1077	1077	1075	1073	1074	1074	1071	1	36	1080	11	00	1054	26	1
1072	1074	1075	1079	1079	1078	1080	1080	1080	1071	22	06	1081	10	00	1057	24	2
1078	1078	1079	1080	1082	1085	1085	1086	1087	1077	24	00	1087	12	00	1060	27	3
1082	1086	1083	1087	1087	1088	1089	1091	1095	1082	24	00	1095	12	33	1064	31	4
1090	1090	1091	1093	1093	1091	1091	1091	1089	1087	0	06	1098	10	15	1076	22	5
1089	1090	1090	1091	1090	1089	1089	1092	1092	1085	22	06	1093	11	00	1065	28	6
1082	1086	1088	1089	1091	1090	1089	1089	1089	1084	0	01	1093	10	00	1060	33	7
1089	1086	1088	1089	1090	1091	1092	1094	1092	1086	23	00	1094	11	00	1072	22	8
1093	1093	1093	1093	1093	1095	1095	1095	1096	1090	1	45	1098	11	00	1076	22	9
1097	1096	1096	1096	1095	1093	1093	1093	1092	1090	16	00	1097	12	00	1074	23	10
1096	1095	1092	1093	1093	1093	1093	1093	1092	1088	16	00	1096	12	00	1067	29	11
1094	1094	1094	1096	1097	1096	1097	1097	1092	1091	1	06	1099	10	06	1075	24	12
1090	1091	1092	1092	1092	1091	1092	1092	1093	1090	8	00	1094	13	00	1077	17	13
1088	1090	1090	1090	1091	1092	1092	1093	1093	1087	23	06	1094	12	00	1068	26	14
1090	1092	1092	1092	1094	1094	1094	1095	1094	1089	23	00	1095	11	00	1077	18	15
1084	1087	1090	1092	1091	1094	1092	1092	1089	1088	22	54	1098	12	00	1078	20	16
1091	1091	1091	1091	1093	1093	1094	1093	1095	1088	24	00	1095	11	24	1072	23	17
1083	1085	1083	1082	1082	1082	1081	1083	1079	1085	0	06	1096	11	20	1073	23	18
1084	1085	1085	1086	1087	1090	1090	1089	1089	1081	22	30	1091	11	36	1066	25	19
1085	1090	1089	1090	1091	1090	1091	1090	1089	1085	22	24	1092	12	00	1074	18	20
1081	1085	1086	1087	1089	1089	1089	1087	1087	1084	21	54	1090	11	00	1074	16	21
1085	1082	1082	1082	1081	1079	1082	1081	1083	1080	0	36	1088	11	42	1051	37	22
1083	1083	1084	1084	1084	1083	1084	1084	1083	1079	1	00	1085	9	06	1066	19	23
1079	1079	1079	1079	1079	1079	1079	1079	1078	1079	2	24	1087	11	20	1070	17	24
1079	1076	1076	1076	1075	1074	1074	1075	1075	1072	16	00	1079	11	00	1055	24	25
1079	1078	1079	1080	1080	1080	1082	1080	1082	1071	22	36	1083	12	00	1045	38	26
1079	1079	1079	1079	1078	1079	1080	1080	1080	1076	0	01	1082	11	24	1061	21	27
1079	1083	1083	1084	1085	1085	1085	1085	1085	1079	19	57	1086	11	54	1066	20	28
1079	1084	1086	1087	1090	1086	1087	1087	1086	1082	20	00	1090	13	00	1066	24	29
1073	1076	1077	1078	1078	1077	1077	1077	1077	1075	0	01	1086	12	00	1056	30	30
1084	1085	1086	1086	1087	1087	1087	1087	1087	1082	---------		1091	-------		1067	24	-------
1086	1089	1089	1090	1091	1091	1091	1091	1091	1085	---------		1094	-------		1069	25	-------
1088	1088	1088	1089	1089	1089	1090	1090	1091	1085	---------		1094	-------		1066	28	-------

DECEMBER, 1919

10000 γ plus tabular quantities

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
1075	1078	1078	1078	1079	1079	1078	1078	1077	1073	20	45	1080	12	00	1054	26	1
1077	1081	1081	1081	1082	1078	1077	1076	1076	1073	20	00	1082	11	42	1057	25	2
1075	1077	1077	1078	1078	1077	1077	1077	1076	1072	20	20	1080	12	00	1062	18	3
1074	1070	1073	1070	1070	1070	1072	1070	1069	1068	0	24	1077	12	00	1055	22	4
1074	1074	1074	1075	1074	1074	1074	1073	1073	1067	19	00	1075	12	00	1052	23	5
1078	1080	1078	1080	1078	1080	1080	1081	1080	1072	23	00	1081	11	27	1058	23	6
1079	1075	1077	1079	1079	1079	1077	1077	1077	1074	0	01	1080	11	03	1059	21	7
1080	1082	1081	1081	1083	1083	1083	1082	1082	1075	22	06	1084	11	00	1059	25	8
1080	1082	1082	1081	1081	1082	1082	1081	1081	1076	17	33	1084	11	00	1060	24	9
1082	1082	1079	1079	1080	1081	1081	1081	1080	1075	16	20	1083	11	00	1060	23	10
1076	1078	1078	1079	1076	1076	1078	1078	1074	1072	0	20	1081	12	00	1051	30	11
1067	1071	1073	1076	1078	1079	1080	1080	1080	1067	23	18	1081	12	20	1042	39	12
1079	1080	1081	1080	1080	1081	1082	1082	1081	1074	23	12	1084	11	00	1059	25	13
1074	1075	1077	1079	1077	1077	1079	1079	1079	1074	0	01	1081	1	03	1055	26	14
1070	1070	1079	1078	1077	1074	1077	1077	1074	1072	17	36	1089	13	00	1057	32	15
1069	1071	1072	1074	1075	1075	1073	1072	1071	1066	21	30	1077	10	36	1051	26	16
1075	1078	1079	1080	1080	1080	1080	1081	1080	1070	23	00	1081	11	00	1057	24	17
1074	1077	1078	1078	1078	1079	1079	1077	1074	1072	1	00	1080	12	77	1056	24	18
1075	1077	1079	1078	1078	1077	1077	1075	1075	1071	18	00	1079	11	00	1057	22	19
1070	1073	1077	1078	1077	1075	1074	1075	1074	1069	19	00	1078	12	09	1050	28	20
1079	1080	1081	1082	1080	1082	1082	1082	1082	1074	18	57	1083	11	00	1061	22	21
1079	1080	1081	1081	1082	1081	1082	1081	1079	1075	21	57	1083	11	18	1060	23	22
1079	1081	1080	1081	1082	1081	1081	1080	1079	1074	20	00	1082	12	06	1056	26	23
1080	1081	1081	1085	1088	1085	1085	1085	1083	1075	20	00	1088	12	00	1061	27	24
1082	1084	1082	1081	1080	1081	1082	1082	1082	1076	17	00	1084	10	50	1063	21	25
1078	1080	1080	1079	1080	1080	1080	1079	1079	1073	0	01	1082	12	00	1055	27	26
1071	1078	1079	1080	1081	1082	1082	1081	1081	1071	23	30	1083	12	00	1041	42	27
1082	1082	1081	1082	1080	1081	1080	1079	1080	1075	19	40	1083	11	33	1051	32	28
1063	1065	1066	1065	1065	1065	1064	1064	1063	1064	0	01	1080	12	15	1033	47	29
1064	1065	1063	1062	1060	1058	1056	1057	1057	1056	0	12	1065	11	24	1030	35	30
1058	1060	1060	1060	1058	1058	1058	1058	1057	-------	19	10	1061	12	18	1041	20	31
1075	1076	1077	1077	1077	1077	1077	1077	1076	1072	---------		1080	---------		1053	27	-------
1075	1077	1077	1077	1077	1077	1076	1076	1076	1071	---------		1081	---------		1050	31	-------
1076	1077	1079	1080	1080	1079	1080	1080	1078	1074	---------		1084	---------		1059	25	-------

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